TOPRING

Compressed air solutions



Catalogue No 18

November 2023 Edition

TOPRING

Table of content | Catalogue No 18

GROUP 1 | COMPRESSED AIR TREATMENT

Series 56 ..... **Water separators**
Series 53 ..... **Compressed air filters**
Series 49 ..... **Refrigerant, regenerative and desiccant air dryers**
Series 59 ..... **Condensate drains**
Series 57 ..... **Water/oil separators**
Series 09 ..... **Compressor and air tank valves**
Series 69 ..... **Compressor oils**

GROUP 2 | COMPRESSED AIR PIPING SYSTEMS

Series 08 ..... **TOPRING PPS Compressed air piping system**
Series 07 ..... **QuickLINE Compressed air piping system**
Series 05 ..... **AIR LINE Compressed air piping system**
Series 47 ..... **Manifolds**
Series 65 ..... **Ball valves**

GROUP 3 | AIR PREPARATION, HOSES AND COUPLERS

Series 50 ..... **MODULAIR Filters, regulators and lubricators**
Series 51 ..... **AIRFLO Filters, regulators and lubricators**
Series 52 ..... **HIFLO$_2$ and HIFLO Filters, regulators and lubricators**
Series 55 ..... **Pressure gauges**
Series 58 ..... **HOSEGUARD® safety valves**
Series 70-78 ..... **Air hoses**
Series 79 ..... **Hose reels**
Series 11-19 ..... **Coil hoses**
Series 41 ..... **Brass fittings**
Series 20-31 ..... **Quick couplers**
Series 28-29 ..... **Pressure washer couplers and hydraulic couplers**
Series 48 ..... **Hose clamps**

GROUP 4 | COMPRESSED AIR TOOLS

Series 60-61 ..... **Blow guns and spray guns**
Series 63 ..... **Tire inflation**
Series 66-67 ..... **Compressed air vacuums**
Series 62 ..... **In-line filters, regulators and air tool lubricators**
Series 64 ..... **Tool balancers**
Series 69 ..... **Air tool oils**

GROUP 5 | PNEUMATIC FORCE

Series 32-38 ..... **Pneumatic tubings**
Series 39-46 ..... **Push-to-connect fittings**
Series 80 ..... **Air control valves**
Series 81-83 ..... **NFPA pneumatic cylinders**
Series 85 ..... **Flow controls and valves**
Series 68 ..... **Air amplifiers**
Series 86 ..... **Pneumatic mufflers**

Water separators









Group 1 • Series 56

TOPRING

Compressed air solutions

AIRFLO
WATER SEPARATORS

CRN CANADIAN REGISTRATION NUMBER

CE

It is the first step to eliminate condensates at the compressor outlet. The water separators use centrifugal force (vortex effect) to remove up to 99% of the bulk water and solid contaminants contained in compressed air.

Since warm air introduced into the system will continue to cool and turn to water, the water separators must be used along with other compressed air solutions.

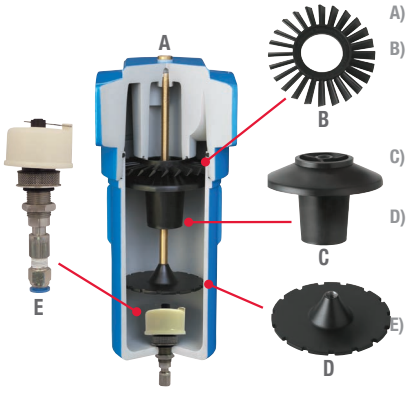
- Ideal as a first step treatment after the compressor
- Uses centrifugal force to remove up to 99% of bulk water and solid contaminants
- Simple and easy to install
- Requires no electricity and almost no maintenance
- Efficient automatic drain
- Powder coated





HOW IT WORKS

Air spins rapidly as it flows through the vortex generator vane (B). The vortex generator cone (C) enhances the rotation. Centrifugal force projects water droplets onto the exterior wall. Water runs down the wall and collects at the bottom of the separator. Deflector (D) prevents the air vortex from re-entraining accumulated water. Water is evacuated by the included automatic drain (E) or an optional external drain.



A) Water separator

B) Vortex Generator - Vane: Aerodynamically designed vortex generator vanes for greater efficiency

C) Vortex Generator - Cone: Conical profile for enhanced vortex effect

D) Cyclone Arrestor: Special profile designed to improve separator efficiency and prevent re-entrainment of separated water

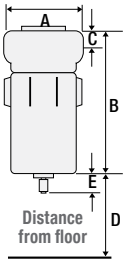
E) Automatic Condensate Drain: Efficiently discharge accumulated water from the system

INSTALLATION TIP

Installed typically upstream of after-coolers, air receiver tanks, refrigerated dryers and at strategic points in pipe works installation

AIRFLO
WATER SEPARATORS





CRN CANADIAN REGISTRATION NUMBER

Water separators

Product No	Port (F) NPT	Flow SCFM	Weight kg	Dimensions (mm)				
				A	B	C	D	E
56.001	1/4	32	1.04	87	179	28	60	44
56.003	1/4◊	32	1.13	87	179	28	60	44
56.005	3/8	88	1.09	87	179	28	60	44
56.007	1/4◊◊	32	1.18	87	179	28	60	44
56.010*	1/2	88	1.09	86	185	24	90	44
56.020*	3/4	144	1.41	86	256	24	90	44
56.023*	3/4	232	3.99	130	285	43	135	44
56.030*	1	232	3.81	130	285	43	135	44
56.040*	1-1/2	373	4.22	130	385	43	235	44
56.050*	1-1/2	488	4.81	130	485	43	335	44
56.060*	1-1/2	600	6.21	130	685	43	525	44

* Canadian registration number available (CRN)
◊ Includes: hexagonal adapter 1/4 (M) x 3/8 (F) NPT
◊◊ Includes: hexagonal adapter 1/4 (M) x 1/2 (F) NPT

Applications

Recommended for all compressed air installations. An excellent way to achieve primary reduction of the moisture content.

Materials

Housing: Chromatised aluminum

Vortex Generator and Cyclone Arrestor: Polypropylene

Specifications

Maximum Working Pressure: 232 PSI

Working Temperature: 1.5 to 80 °C

Nominal Pressure Drop: 0.45 PSI

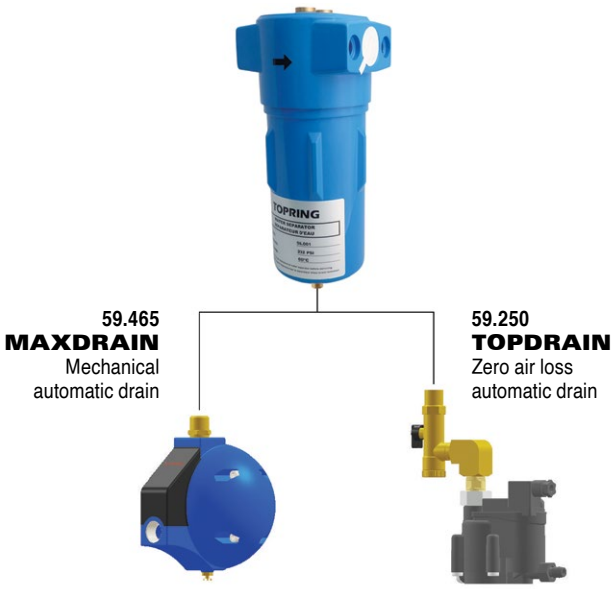

56.130


53.900 - 53.905


53.933

Product No	Description
56.130	Standard internal automatic drain
53.900	Mounting bracket for models 56.001 to 56.023
53.905	Mounting bracket for models 56.030 to 56.060
53.933	Adapter for AIRFLO automatic drain

OPTIONAL:
EXTERNAL CONDENSATE DRAINS



TECH TIP

To connect an external drain to the water separator, install the AIRFLO adapter (53.933) to replace the internal automatic drain.

TOPDRY
WATER SEPARATORS

CRN CANADIAN REGISTRATION NUMBER

CE

- Ideal as a first step treatment after the compressor
- Uses centrifugal force to remove up to 99% of bulk water
- Simple and easy to install
- Perfectly suited for variable speed compressors
- In accordance with ISO 12500-4
- Anticorrosive coating
- A great way to remove most of the water from entering the compressed air system
- Recommended for any compressed air installation



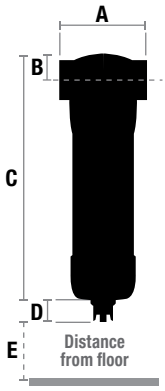
Material
Housing: Aluminum die cast

Specifications
Maximum Working Pressure: 232 PSI

Working Temperature: 2 to 80 °C

Water separators

Product No	Port (F) NPT	Flow SCFM	Dimensions (mm)				
			A	B	C	D	E
56.400	1/8	6	50	17	157	28	60
56.405	1/4	15	50	17	157	28	60
56.410	1/4	25	70	24	231	28	70
56.415	3/8	35	70	24	231	28	70
56.420	1/2	50	70	24	231	28	70
56.425	1/2	70	127	32	285	30	80
56.430	3/4	125	127	32	371	30	80
56.435	1	175	127	32	371	30	80
56.440	1-1/4	280	140	40	475	30	80
56.445	1-1/2	325	140	40	475	30	80
56.450	2	700	170	53	708	30	100
56.455	2-1/2	850	220	70	736	30	100
56.460	3	1500	220	70	1005	30	100



ACCESSORIES

WALL MOUNTING BRACKETS



Product No	For models
53.975	56.400 to 56.405
53.976	56.410 to 56.420
53.977	56.425 to 56.435
53.978	56.440 to 56.445
53.979	56.450
53.980	56.455 to 56.460

FIXING BRACKETS



Product No	For models
53.985	56.400 to 56.405
53.986	56.410 to 56.420
53.987	56.425 to 56.435
53.988	56.440 to 56.445
53.989	56.450
53.990	56.455 to 56.460

INTERNAL AUTOMATIC DRAINS

53.994



53.995



Product No	For models
53.994	56.400 to 56.420
53.995	56.425 to 56.460

Compressed air filters









Group 1 • Series 53

TOPRING

Compressed air solutions

AIR QUALITY STANDARDS

Certain applications and processes require very high air quality standards. This is true in food processing industries, where compressed air may come into contact with food (during processing, curing, packaging, and other steps). Water or contaminants in the air can lead to pneumatic equipment failing and bacteria proliferating in compressed air lines.

The International Organization for Standardization (ISO) established the ISO 8573 Series of standards to make it easier to select, design and measure air treatment components. ISO 8573.1 identifies three main types of contaminants in a compressed air system: **solid particles, water, and oil** (in the form of aerosol and vapor). Each is categorized and assigned a purity class ranging from Class 0 (the most stringent) to Class 9 (the least stringent). Air use determines the required purity level based on industry standards and applications.

Class ISO 8573.1 (2010)	Solid particles				Water		Oil
	Maximum no. of particles per m^3			Concentration	Vapor	Liquid	Total Oil(1)
	0.1 – 0.5 micron	0.5 – 1 micron	1 – 5 microns	mg/m^3	Pressure dew point	g/m^3	mg/m^3
0	As specified by the equipment user or supplier						
1	≤ 20 000	≤ 400	≤ 10	---	≤ -94°F	---	≤ 0.01
2	≤ 400 000	≤ 6 000	≤ 100	---	≤ -40°F	---	≤ 0.1
3	---	≤ 90 000	≤ 1 000	---	≤ -4°F	---	≤ 1
4	---	---	≤ 10 000	---	≤ 37°F	---	≤ 5
5	---	---	≤ 100 000	---	≤ 45°F	---	---
6	---	---	---	≤ 5	≤ 50°F	---	---
7	---	---	---	5 – 10	---	≤ 0.5	---
8	---	---	---	---	---	0.5 – 10	---
9	---	---	---	---	---	5 – 10	---

(1) All forms of oil including liquids, aerosols and vapor

For example, the illustration below shows that Class 1.4.1 applies to the food industry (Level 4). This corresponds to Class 1 filtration for solid particles, Class 4 for water, and Class 1 for oil.



Level 1
Compressed air without specification

ISO 8573.1
Class 5.6.5



Level 2
General shop air: air tools (sand blasting, grinding)

ISO 8573.1
Class 3.6.4



Level 3
Air instrument, spray painting, powder coating, packing machines

ISO 8573.1
Class 1.5.3.



Level 4
Food industry pharmaceutical and chemical industries, laboratories

ISO 8573.1
Class 1.4.1



Level 5
Food industry (breweries, dairies), pharmaceutical and chemical industries, laboratories

ISO 8573.1
Class 1.1.1

AIRFLO
COMPRESSED AIR FILTERS

AIRFLO filters and filtration elements meet the air quality levels required for different applications. They allow to properly remove solid particles, oil and water vapor.

- Four different grades of filtration available
- Epoxy powder coated (exterior) for added durability and corrosion resistance
- Chromatised housing for better paint adhesion and better protection against corrosion and harsh substances
- Tie-rod insert allows easy installation and secures elements in the housing
- Differential pressure indicator included with the 1/2 to 3 NPT models
- Automatic drain included

CE CRN CANADIAN REGISTRATION NUMBER

Material
Housing: Aluminum

Specifications
Maximum Working Pressure: 232 PSI
Working Temperature: 1 to 60 °C

THREE-COLOR INDICATOR



Green (clean) 0-5 PSI

Yellow (change) 6-9 PSI

Red (dirty) Over 10 PSI

PUSH-TO-CONNECT FITTING



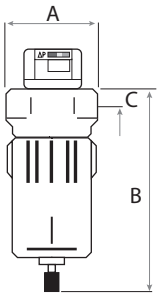
Included for draining tube connection



29 to 41 SCFM



47 to 1324 SCFM



Port (F) NPT	Airflow SCFM	Filtration				Dimensions (mm)		
		M3	M1	M01	AC	A	B	C
1/4	29	53.613	53.611	53.612	53.614	86	224	64
3/8	41	53.623	53.621	53.622	53.624	86	224	64
1/2*	47	53.633	53.631	53.632	53.634	86	224	84
3/4*	70	53.643	53.641	53.642	53.644	86	305	115
1*	116	53.663	53.661	53.662	53.664	130	312	115
1-1/2*	318	53.673	53.671	53.672	53.674	130	523	115
1-1/2*	470	53.683	53.681	53.682	53.684	130	784	156
2*	616	53.703	53.701	53.702	53.704	163	831	156
2-1/2 *	923	53.713	53.711	53.712	53.714	163	1082	156
3*	1324	53.723	53.721	53.722	53.724	251	1054	181

* Models with 1/2 to 3 (F) NPT port available with canadian registration number (CRN)

INSTALLATION TIP

The direction of the airflow is marked with an arrow on the surface of the filter.

For the proper functioning of the filter, it is essential to comply with this installation tip.



AIRFLO
FILTRATION QUALITY LEVELS

Filtration M3

- For coarse pre-filtration
- Particle removal down to 3 microns

Filtration M1

- For general filtration
- Particle removal down to 1 micron
- Maximum residual oil content (aerosol): 0.1 mg/m³ at 20 °C

Filtration M01

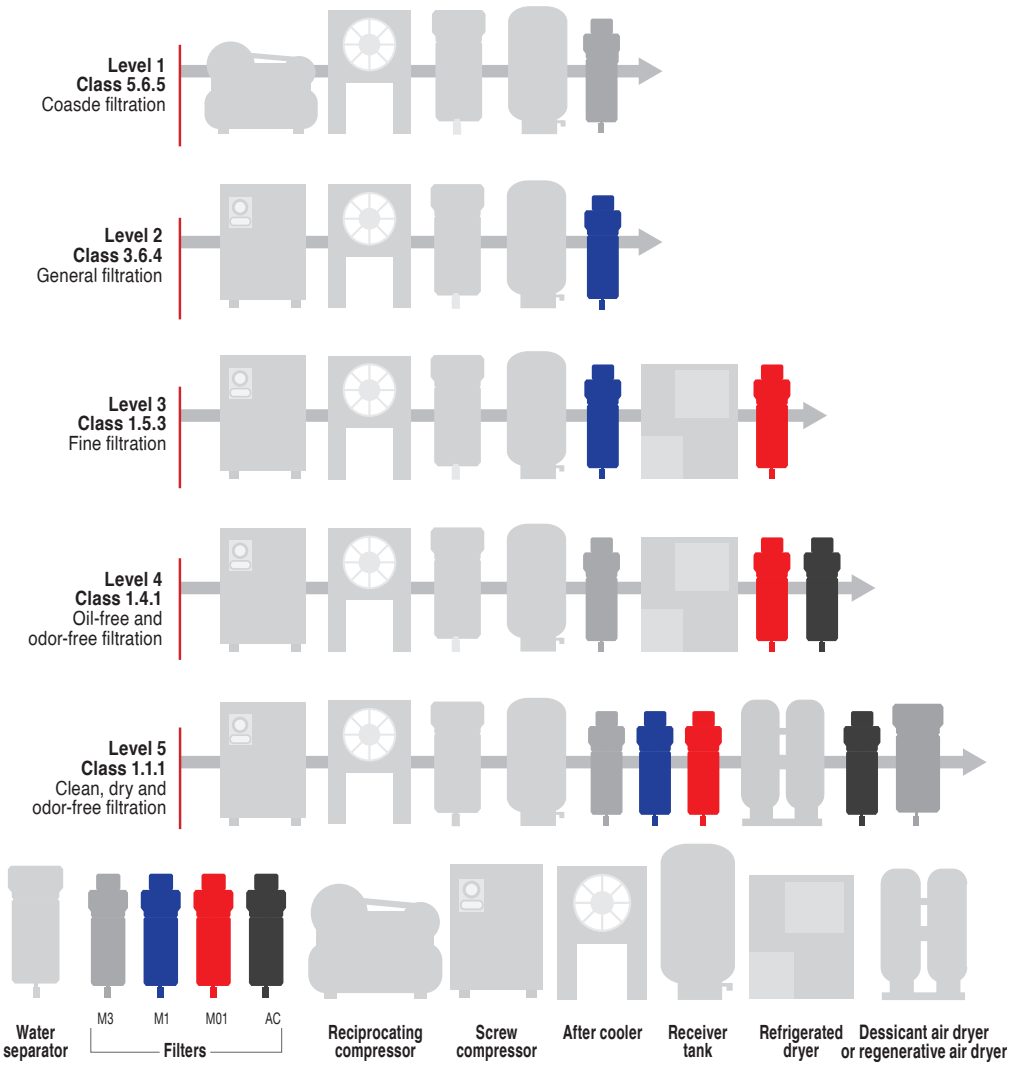
- For high performance filtration
- Particle removal down to 0.01 micron
- Maximum residual oil content (aerosol): 0.01 mg/m³ at 20 °C

Filtration AC

- Activated carbon filter for odor removed (applicable for oil lubricated compressors)
- For removal of oil content down to 0.003 mg/m³ at 20 °C in conjunction with filter grade M01

TYPICAL FILTRATION CONFIGURATION PER FILTRATION QUALITY LEVELS

Specified air quality (purity) in accordance with ISO 8573.1, standard for compressed air quality. Refrigerated dryer air treatment at 3 °C.



AIRFLO
FILTER ELEMENTS

Features and benefits

- More effective filtration area
- Higher capacity for holding dirt
- Minimizes pressure drops
- Allows a higher airflow



FILTRATION	M3	M1	M01	AC
Description	General protection	Oil removal	Dust filtration	Oil vapor and odor removal
Particle (µm)	3	1	0.01	---
Oil (mg/m³) at 20°C	---	0.1	0.01	0.003

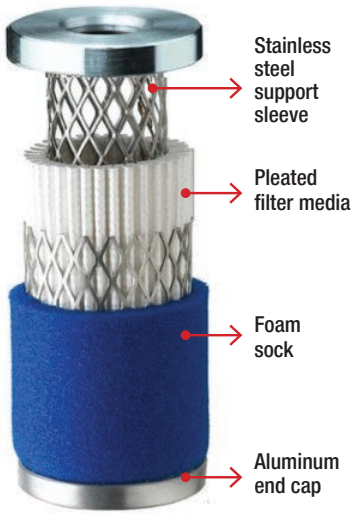
REPLACEMENT FILTER ELEMENTS

Port (F) NPT	Airflow SCFM	FILTRATION			
		M3	M1	M01	AC
1/4	29	53.813	53.811	53.812	53.814
3/8	41	53.823	53.821	53.822	53.824
1/2	47	53.833	53.831	53.832	53.834
3/4	70	53.843	53.841	53.842	53.844
1	116	53.863	53.861	53.862	53.864
1-1/2	318	53.873	53.871	53.872	53.874
1-1/2	470	53.883	53.881	53.882	53.884
2	616	53.903	53.901	53.902	53.904
2-1/2	923	53.913	53.911	53.912	53.910
3	1324	53.923	53.921	53.922	53.924

HOW IT WORKS

The pleated filter offers 3 to 5 times more filtration surface area when compared to a non pleated filter.

1. Stainless steel sleeve for stronger support
2. Hydrophobic foam socks for better drainage and coalescing effect
3. Robust and non-corrosive aluminum end caps
4. Color coded standard element for easy identification



AIRFLO
FILTER ACCESSORIES

DIFFERENTIAL PRESSURE INDICATOR

Indicates when it is time to change the filtration element.

The indicator can be installed to the filter body without de-pressurizing the system.

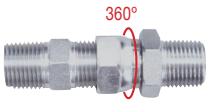


Product No
53.920

SWIVEL FITTINGS

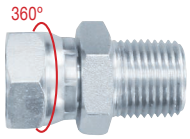
Allows quick and simple connection of multiple filter housings. Made in steel.

SWIVEL FITTING KIT



Product No	Thread (M) NPT
41.704	1/2
41.705	3/4
41.706	1
41.707	1-1/2
41.708	2
41.709	2-1/2

SWIVEL FITTING



Product No	Thread (F-M) NPT
41.772	1/4
41.773	3/8

ADAPTER FOR AIRFLO AUTOMATIC DRAIN

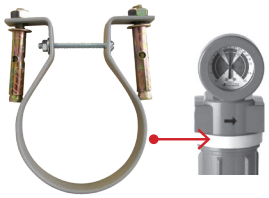
For the connection to an external drain to replace the internal drain



Product No
53.933

FILTER MOUNTING BRACKET

Mounting bracket provides additional support to filter



Product No	For models
53.900	53.611 to 53.644
53.905	53.661 to 53.684

INTERNAL AUTOMATIC DRAIN



Product No	For models
53.930	53.611 to 53.684

EXTERNAL AUTOMATIC DRAIN



Product No	For models
53.935	53.701 to 53.724

OPTIONAL:
EXTERNAL CONDENSATE DRAINS



59.465
MAXDRAIN
Mechanical automatic drain



59.250
TOPDRAIN
Zero air loss automatic drain



TECH TIP

To connect an external drain to the air filter, install the AIRFLO adapter (53.933) to replace the internal automatic drain.

TOPDRY
COMPRESSED AIR FILTERS

CE CRN CANADIAN REGISTRATION NUMBER

TOPRING offers a complete range of filters and filter elements for higher filtration performance. Oils, water vapors and solid particles must be properly removed from the air of the compressed air system. Clean, dry, oil-free compressed air is essential to optimize compressor filtration, reduce pressure losses, increase efficiency levels and reduce energy costs.

- Three grades of filtration available
- Reliable and efficient removal of liquid and solid contaminants
- Large condensate reservoir for bulk oil collection
- Advanced airflow design for optimum performance and reducing pressure drops
- External powder coated surface for enhanced abrasion and corrosion resistance
- Compact, modular design for quick and easy installation
- No tie-rod insert minimizing maintenance needs
- Automatic drain with manual override for testing and depressurization
- For food and beverage, chemical, laboratory, medical and natural gas applications
- Suitable for use with all compressor oils including mineral and synthetic oil



Material
Housing:
Aluminum die cast

Specifications
Maximum Working Pressure: 232 PSI

Working Temperature:
M1/M01: 2 to 80 °C / AC: 2 to 50 °C

INSTALLATION TIP

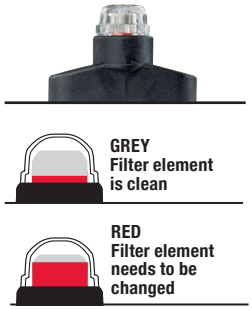
The direction of the airflow is marked with an arrow on the Pop-up indicator or the differential pressure indicator.

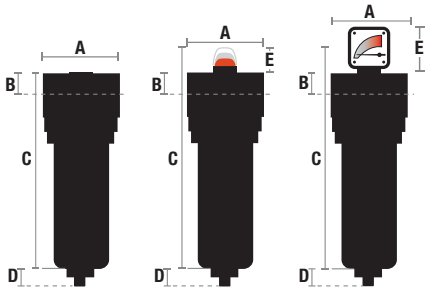
For the proper functioning of the filter, it is essential to comply with this installation tip.

Differential pressure indicator



Pop-up indicator





Port (F) NPT	Airflow SCFM	Product No			Dimensions (mm)				
		M1	M01	AC	A	B	C	D	E
1/8	6	53.316.02	53.316.03	53.316.04	50	17	157	28	-
1/4	15	53.318.02	53.318.03	53.318.04	50	17	157	28	-
1/4	25	53.320.02	53.320.03	53.320.04	70	24	231	28	42
3/8	32	53.322.02	53.322.03	53.322.04	70	24	231	28	42
1/2	50	53.324.02	53.324.03	53.324.04	70	24	231	28	42
1/2	70	53.326.02	53.326.03	53.326.04	127	32	285	30	71
3/4	85	53.328.02	53.328.03	53.328.04	127	32	285	30	71
3/4	125	53.330.02	53.330.03	53.330.04	127	32	371	30	71
1	105	53.332.02	53.332.03	53.332.04	127	32	285	30	71
1	175	53.334.02	53.334.03	53.334.04	127	32	371	30	71
1-1/4	280	53.336.02	53.336.03	53.336.04	140	40	475	30	71
1-1/2	325	53.338.02	53.338.03	53.338.04	140	40	475	30	71
2	450	53.340.02	53.340.03	53.340.04	170	53	508	30	71
2	700	53.342.02	53.342.03	53.342.04	170	53	708	30	71
2-1/2	850	53.344.02	53.344.03	53.344.04	220	70	736	30	71
3	900	53.346.02	53.346.03	53.346.04	220	70	736	30	71
3	1250	53.348.02	53.348.03	53.348.04	220	70	857	30	71
3	1500	53.350.02	53.350.03	53.350.04	220	70	1005	30	71

TOPDRY
FILTRATION QUALITY LEVELS

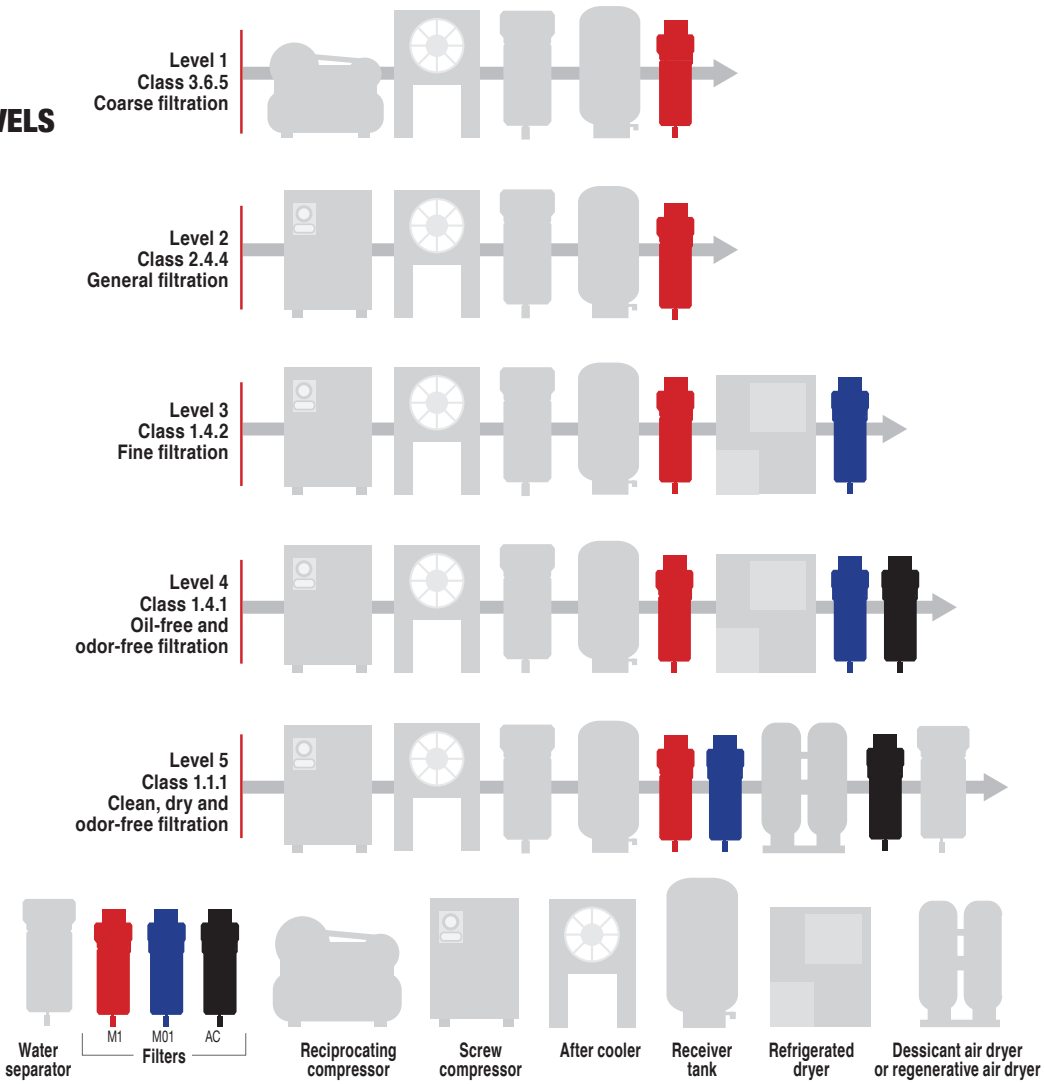
Filtration M1
- High efficiency general purpose protection
- Particle removal down to 1 micron, including water and oil aerosols
- Maximum remaining oil aerosol down to 0.1 mg/m3 to 20 °C

Filtration M01
- High efficiency oil removal filtration
- Particle removal down to 0.01 micron, including water and oil aerosols
- Maximum remaining oil aerosol down to 0.01 mg/m3 to 20 °C

Filtration AC
- Activated carbon for oil vapor and odor removal
- Maximum remaining oil vapor down to 0.003 mg/m3 to 20 °C in conjunction with filter grade M01

TYPICAL FILTRATION CONFIGURATION PER FILTRATION QUALITY LEVELS

Specified air quality (purity) in accordance with ISO 8573.1, standard for compressed air quality. Refrigerated dryer air treatment at 3°C.

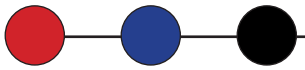


TOPDRY
FILTER ELEMENTS

- Color coded for easy and accurate identification of filtration level
- Easily accessible for parts replacement
- Deep filter: media provides low differential pressure for better energy efficiency and extended service life
- Ultrasonic welded seam increases strength and durability
- Stainless steel support increases rigidity and corrosion resistance
- Suitable for use with all compressor oils including mineral and synthetic oil

Materials

M1/M01: Borosilicate glass microfiber
AC: Activated carbon



FILTRATION	M1	M01	AC
Description	General protection	Oil removal and dust filtration	Oil vapor and odor removal
Particle (µm)	1	0.01	---
Oil (mg/m³) at 20 °C	0.1	0.01	0.003

Filtration level identification simplified with the color association



REPLACEMENT FILTER ELEMENTS

Port (F) NPT	Airflow SCFM	Product No		
		M1	M01	AC
1/8	6	53.378.02	53.378.03	53.378.04
1/4	15	53.378.02	53.378.03	53.378.04
1/4	25	53.382.02	53.382.03	53.382.04
3/8	32	53.382.02	53.382.03	53.382.04
1/2	50	53.384.02	53.384.03	53.384.04
1/2	70	53.392.02	53.392.03	53.392.04
3/4	85	53.392.02	53.392.03	53.392.04
3/4	125	53.394.02	53.394.03	53.394.04
1	105	53.392.02	53.392.03	53.392.04
1	175	53.394.02	53.394.03	53.394.04
1-1/4	280	53.398.02	53.398.03	53.398.04
1-1/2	325	53.398.02	53.398.03	53.398.04
2	450	53.400.02	53.400.03	53.400.04
2	700	53.402.02	53.402.03	53.402.04
2-1/2	850	53.406.02	53.406.03	53.406.04
3	900	53.406.02	53.406.03	53.406.04
3	1250	53.408.02	53.408.03	53.408.04
3	1500	53.410.02	53.410.03	53.410.04

TOPDRY
FILTER ACCESSORIES

WALL MOUNTING BRACKET

Product No	For filter model (.02-.03-.04)
53.975	53.316 to 53.318
53.976	53.320 to 53.324
53.977	53.326 to 53.334
53.978	53.336 to 53.338
53.979	53.340 to 53.342
53.980	53.344 to 53.350



FIXING BRACKET

Product No	For filter model (.02-.03-.04)
53.985	53.316 to 53.318
53.986	53.320 to 53.324
53.987	53.326 to 53.334
53.988	53.336 to 53.338
53.989	53.340 to 53.342
53.990	53.344 to 53.350

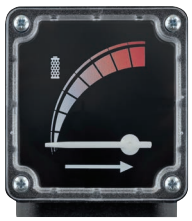


DIFFERENTIAL PRESSURE INDICATOR

Indicates when it is time to change the filtration element.

The indicator can be installed to the filter body without de-pressurizing the system.

Product No	For filter models
53.996	25 to 50 SCFM
53.997	70 to 850 SCFM



INTERNAL AUTOMATIC DRAIN

53.994



53.995



Product No	For filter models
53.994	6 to 50 SCFM
53.995	70 to 1500 SCFM

OPTIONAL:
EXTERNAL CONDENSATE DRAINS



59.465
MAXDRAIN
Mechanical automatic drain



59.250
TOPDRAIN
Zero air loss automatic drain



TECH TIP

To connect an external drain to the air filter, install a reducing bushing 1/2 F – 3/4 M (41.186) to replace the internal automatic drain. For optimum sealing, apply a hardening sealer to the male threads (41.013).

Air dryers









Group 1 • Series 49

TOPRING

Compressed air solutions

REFRIGERANT AIR DRYERS



INSTALLATION TIP

It is recommended to use a filter before the dryer to protect it from contaminants and condensates and increase the service life of internal components of the dryer.



EXTENDED WARRANTY

Some dryers (models 49.563 to 49.583) already include the filter. Using the recommended TOPDRY air filter of Series 53 (purchased simultaneously with the air dryer) extends the dryer warranty to 2 years.

General features and benefits

Microprocessor controller

Equipped with a 3-digit display microprocessor

- Allows to start the compressor and automatic drain timer
- Provides quick and easy reading with the dew point indicator



Automatic drain with a timer

- Reliable and robust
- Simplifies automatic drain operations with a timer
- Adjustable cycle
- Drain is on the back of the refrigerated dryer for easy access without removing panels



Stainless steel heat exchanger

- High capacity built-in water separator used for the removal of condensed liquids
- Corrosion resistant for maximum durability



REFRIGERANT AIR DRYERS

TOPRING refrigerant air dryers quickly remove condensate to give almost perfectly dry compressed air. The benefits are notable: an improved finished product, fewer system downtime, and maintenance reduced costs



- Simple, reliable and efficient design
- High quality and corrosion resistant
- User-friendly digital microprocessor displays dew point indicator and drain operation
- Robust, reliable and fully adjustable timed solenoid drain
- Automatic expansion valve to ensure stable dew point performance even in changing ambient conditions
- Environmentally friendly refrigerant R134a and R407c known for their efficiency and and harmless to the ozone layer
- For general manufacturing, air tools, paint shops, body shops, sand blasting operations, plastics and textiles

Specifications

Maximum Inlet Temperature: 70 °C

Maximum Ambient Temperature:
49.500 to 49.532: 50 °C / 49.535 to 49.542: 43 °C

Working Pressure: 0 to 232 PSI

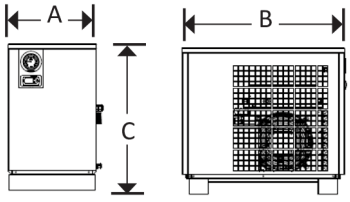
Dew Point: 2 to 3 °C

Refrigerant:
49.500 to 49.532: R134a / 49.535 and 49.542: R407c

Power supply:
15V/1 phase/60 Hz except models 49.535, 49.537, 49.540 and 49.542: 230V/1 phase/60Hz

Dryer with 1 micron filter Product No	Dryer	Nominal Flow SCFM*	Compressor Power HP	Inlet/Outlet connection (M) NPT	Dimensions (cm) A	B	C	Weight kg
49.502	**49.500**	15	3.75	1/2	38	46	43	23
49.507	**49.505**	30	7.50	1/2	38	46	43	32
49.512	**49.510**	45	11.25	1/2	38	46	43	35
49.517	**49.515**	55	13.75	3/4	38	51	48	38
49.522	**49.520**	85	21.25	3/4	38	51	48	42
49.524	**49.523**	110	27.50	1	38	74	66	65
49.527	**49.525**	135	33.75	1	38	74	66	65
49.532	**49.530**	175	43.75	1-1/2	38	74	66	69
49.537	**49.535**	215	53.75	1-1/2	41	89	76	89
49.542	**49.540**	250	62.50	1-1/2	41	89	76	101

* At 100 PSIG, 38 °C inlet temperature, 38 °C ambient temperature



PRESSURE CORRECTION FACTORS													
Inlet air pressure (psig)	58	72	87	**100**	115	130	145	160	175	190	204	218	232
Correction factor	0.72	0.82	0.92	**1.00**	1.06	1.09	1.11	1.15	1.18	1.19	1.21	1.23	1.26

INLET TEMPERATURE CORRECTION FACTORS															
Inlet air temperature (°C)	29	32	35	**38**	41	43	46	49	52	54	57	60	63	66	68
Correction factor	1.27	1.19	1.09	**1.00**	0.91	0.78	0.71	0.63	0.56	0.52	0.48	0.44	0.40	0.36	0.33

AMBIENT TEMPERATURE CORRECTION FACTORS						
Ambient temperature (°C)	21	27	32	**38**	41	43
Correction factor	1.18	1.16	1.06	**1.00**	0.96	0.90

CAUTION
To select the proper model or for all other conditions, please contact TOPRING or download the "Application worksheet S49" on TOPRING.com

REFRIGERANT HIGH TEMPERATURE AIR DRYERS

Equipped with a stainless steel heat exchanger, TOPRING's high temperature refrigerant dryers are specifically designed to be used with compressors that do not have an integrated air cooler. The high temperature air from the compressor (max. 70 °C) can be sent to the refrigerant dryer while achieving 10 °C dew point.

They work efficiently and save money on the energy bill.



- Handles very high inlet temperatures
- Energy efficient and low operating costs
- R134a environmentally friendly refrigerant
- High efficiency, air-cooled, oversized refrigerant condenser for high ambient temperature
- Automatic expansion valve to ensure stable dew point performance, even changing the ambient conditions
- Automatic solenoid condensate drain with a fully adjustable and extremely reliable timer
- 1.8 m electrical cord for a quick and easy installation (49.551 to 49.578 models)
- For manufacturing workshops where clean and dry air is very important, automotive mechanics workshops, painting, coating and finishing work, machine tools, sandblasting

Specifications

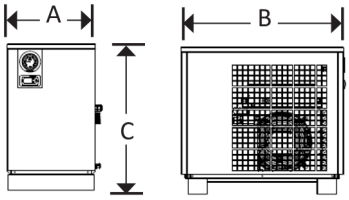
Maximum Inlet Temperature: 70 °C

Working Pressure: 0 to 232 PSI

Dew Point: 10 °C

Refrigerant: R134a

Power supply:
115V/1 phase/60 Hz except models 49.583 and 49.581: 230V/1 phase/60Hz



Dryer with 1 micron filter Product No	Dryer	Nominal Flow SCFM *	Compressor Power HP	Inlet/Outlet connection (M) NPT	Dimensions (cm) A	B	C	Weight kg
49.553	49.551	10	2.5	1/2	38	46	43	28
49.558	49.556	15	3.75	1/2	38	46	43	32
49.563	49.561	25	6.25	1/2	38	46	43	35
49.568	49.566	45	11.25	3/4	38	51	48	42
49.573	49.571	75	18.75	1	41	74	66	65
49.578	49.576	90	22.5	1-1/2	41	74	66	69
49.583	49.581	110	27.5	1-1/2	41	86	76	89

* At 125 PSIG, 60 °C inlet temperature, 35 °C ambient temperature and a 10 °C outlet pressure dew point.

CAUTION

To select the proper model or for all other conditions, please contact TOPRING or download the "Application worksheet S49" on TOPRING.com

INSTALLATION TIP*

It is recommended to use a filter before the dryer to protect it from contaminants and condensates and increase the service life of internal components of the dryer.

EXTENDED WARRANTY*

Some dryers (models 49.563 to 49.583) already include the filter. Using the recommended **TOPDRY** air filter of Series 53 (purchased simultaneously with the air dryer) extends the dryer warranty to 2 years.

*The installation advice as well as the extended warranty apply for the refrigerant air dryers and the refrigerant high temperature air dryers

REGENERATIVE AIR DRYERS

Compressed air contains moisture, such as water vapors, aerosols and contaminants, in addition to other impurities. This moisture must be treated to prevent the growth of bacteria, mold, particulates and corrosion at the point of application.

Designed for use in the compressor room or at the point of application, TOPRING regenerative air dryers are an effective solution to the problems caused by contaminated compressed air.

TOPRING regenerative air dryers use a desiccant medium to remove moisture from the compressed air stream. Wet air passes directly through the desiccant medium, which then adsorbs the moisture. The desiccant medium has a finite capacity for adsorbing moisture before it must be dried out or regenerated. These dryers are designed with a preset factory setting of -40 ° C dew point.

Usse where clean and dry compressed air is essential in manufacturing and process operation, especially in the food, beverage, pharmaceutical, medical industries and many more. Ideal where the ambient temperature drops below 0°C such as in the pharmaceutical, medical, food, clinical or high-tech industries.



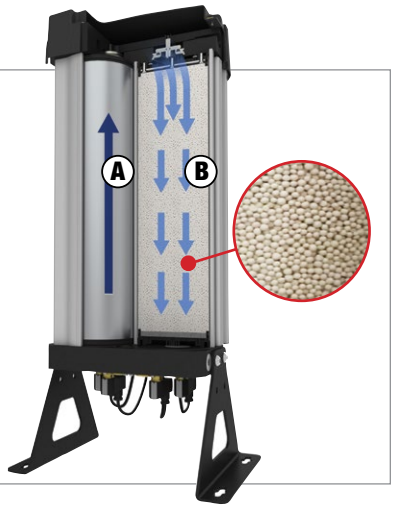
HOW REGENERATIVE AIR DRYER WORKS

These regenerative air dryers use a heatless twin tower configuration housed in a modular design. Wet air enters the dryer and is directed into the column (A).

Air passes through the desiccant bed where moisture vapor is adsorbed. Dry air passes through a particulate filter, which retains any remaining desiccant particles.

Simultaneously, a small amount of dry air is counter-flowed down through the cartridge (B) and exhausted to the atmosphere, removing the moisture and regenerating the desiccant.

The dryer is controlled by a PLC which periodically switches the solenoid valves, reversing the function of each column and therefore ensuring a continuous supply of dry air.



HOW INTEGRATED FILTER/DESICCANT CARTRIDGE WORKS

- (A) High-efficiency cyclonic separator: removes all the bulk particulates in a collector where they are expelled at each cycle
- (B) Demister pad: eliminates aerosols and water vapors and evenly distributes airflow for maximum contact with the desiccant
- (C) Desiccant: high density filled desiccant media for maximum adsorption capacity
- (D) Particulate filter: dust filtration down to 1 micron using borosilicate microfibers
- (E) Molded handle: simplifying cartridge removal and maintenance operations



REGENERATIVE AIR DRYERS

GENERAL FEATURES AND BENEFITS

Combined cartridge with desiccant and filtration

- Cost effective: facilitates smooth airflow, good flow distribution and low pressure drops
- Performant: high density filled desiccant provides maximum adsorption capacity
- Quick and simple maintenance: no loose desiccant beads and no separate filter elements to change
- Safe: handling of loose contaminated desiccant avoided



Method of filling the desiccant cartridges

- The desiccant cartridges are filled using an efficient process, which increases the amount of compacted adsorbent desiccant granules. Thus, the regenerative air dryer is filled to the maximum of its capacity and there is no loss of space during the desiccant filling



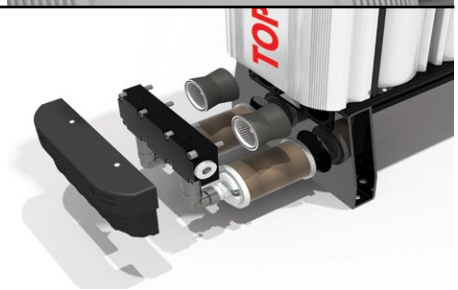
Robust and reliable PLC

- Clear digital display provides a full view of PLC operation and monitoring data
- PLC periodically switches the solenoid valves when the compressor is running, reversing the function of each column and therefore ensuring a continuous supply of dry air.
- Digital display indications of: Run time hours / Column on line / Service requirements / Operation (on/off) / Alarm output
- The maintenance indicator ensures a quick replacement of the integrated filter/desiccant cartridge



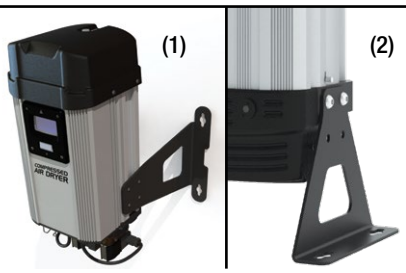
Built-in exhaust mufflers

- Built-in exhaust mufflers allowing a quiet depressurization, reducing operation noise levels, minimizing back pressure and blockage
- Integrated exhaust silencer requires no maintenance or replacement



Swivel mounting brackets

- Floor or wall mounting
- Included with models 49.706, 49.708, 49.710, 49.712, 49.714s (1)
- Optional for other models (2)



REGENERATIVE AIR DRYERS

CRN CANADIAN REGISTRATION NUMBER

TOPRING regenerative air dryers have been 100% function and performance tested at the factory to ensure the highest standard of performance, delivering compressed air purity in accordance with ISO8573:1 - 2001, Class 2 dirt (1 micron) and Class 2 water (-40 °C pressure dew point).



- **High efficiency moisture removal and reliable operation with PLC controlled solenoid valves**
- **Integral volumetric flow limiter prevents overflow thereby maintaining the dew point**
- **Constant flow and pressure. Pressure is equalized before switching columns to ensure uninterrupted compressed air and consistent air pressure. Equalization also ensures long desiccant life due to minimized desiccant attrition**
- **High quality construction, 100% tested for leaks**
- **Patented, combined filter and desiccant cartridges can be serviced in less than 15 minutes**
- **Ready to be installed and ready to use**
- **Compact design allows installation in spaces too small for traditional dryers**

Body Material

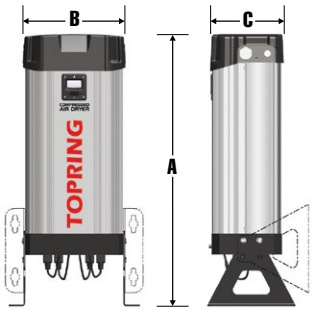
Extruded anodized powder coated aluminum resistant to corrosion

Specifications

Working Temperature: 2 to 50 °C
Minimum Working Pressure: 58 PSI
Maximum Working Pressure: See table below
Dew Point: -40 °C
Universal Power Supply: 100V to 240V / 50Hz or 60Hz

Regenerative Air Dryers and 0.01 micron prefilter

Product No	Airflow Capacity SCFM *	Inlet/Outlet (F) NPT	Push-to-Connect Fitting Inlet/Outlet (in)	Maximum Working Pressure (PSI)	Dimensions (cm) Height A	Width B	Depth C	Weight (kg)	Maintenance kit
49.706	3	- - -	3/8	101	45	26	17	9	**49.656***
49.708	5	- - -	3/8	101	45	26	17	9	**49.658***
49.710	10	- - -	3/8	101	65	26	17	14	**49.660***
49.712	15	- - -	3/8	101	90	26	17	19	**49.662***
49.714	24	- - -	1/2	101	120	26	17	25	**49.664***
49.716	34	1	- - -	232	74	43	28	47	**49.666****
49.718	41	1	- - -	232	74	43	28	47	**49.668****
49.720	53	1	- - -	232	92	43	28	58	**49.670****
49.722	66	1	- - -	232	92	43	28	58	**49.672****
49.724	88	1	- - -	232	110	43	28	70	**49.674****
49.726	106	1	- - -	232	125	43	28	83	**49.676****
49.728	132	1	- - -	232	150	43	28	95	**49.678****
49.730	177	1	- - -	232	185	43	28	117	**49.680****
49.732	212	2	- - -	145	131	40	62	120	**49.682*****
49.734	276	2	- - -	145	154	40	62	224	**49.684*****
49.736	400	2	- - -	145	189	40	62	261	**49.686*****
49.738	560	2	- - -	145	189	40	79	343	**49.688*****
49.740	750	2-1/2	- - -	145	189	40	96	425	**49.690*****
49.742	828	2-1/2	- - -	145	154	40	129	470	**49.692*****
49.744	1110	2-1/2	- - -	145	189	40	129	507	**49.694*****



* At 100 PSIG, 38 °C inlet conditions and at -40 °C outlet pressure dew point.

Included with maintenance kit

* Desiccant cartridge with outlet filtration, ball valves, o-rings, gasket seals, pre-filter element
** Desiccant cartridge with outlet filtration, o-rings, gasket seals, pre-filter element
*** Desiccant cartridge with outlet filtration

PRESSURE CORRECTION FACTORS												
Inlet air pressure (psig)	60	75	90	**100**	115	130	145	160	175	190	205	235
Correction factor	0.63	0.75	0.88	**1**	1.13	1.25	1.38	1.50	1.63	1.75	1.88	2.13

INLET TEMPERATURE CORRECTION FACTORS					
Inlet air temperature (°C)	24	**38**	40	45	50
Correction factor	1	**1**	0.97	0.88	0.73

DEW POINT CORRECTION FACTORS			
Pressure dew point (°C)	-20	**-40**	-70
Correction factor	1.10	**1.00**	0.70

CAUTION

To select the proper model or for all other conditions, please contact TOPRING or download the "Application worksheet S49" on TOPRING.com

CAUTION

To choose the appropriate model or for any other conditions, please contact **TOPRING** or download the "S49 Selection" form from **TOPRING**.com or use a copy of this page

Selection form for refrigeration or regenerative air dryers S49

Based on your information, **TOPRING** will be able to assess which S49 air dryer model would be best suited to your needs.

Contact information

Name		Company	
Address		Email	
City		Phone	
Province		Requested date	
Postal code		Required date	

Dryer type

Refrigerated air dryer or High temperature refrigerated air dryer		**Regenerative air dryer**	
For 2 years extended warranty Add TOPDRY air filter S53 (1 micron)			

Technical specifications

Inlet airflow (scfm)	
Inlet air pressure (psig)	
Pressure (min/max) ***for regenerative***	
Electrical (V/Ph/Hz)	
Air tank before the dryer?	
Inlet air temperature (°C)	
Ambient temperature (°C)	
Ambient temperature (min/max) ***for regenerative***	
Required dew point (°C)	

Compressor

Rotary screw or reciprocating (piston)?	
With integrated aftercooler?	
Power (hp)?	

Other informations

Dimensional limitations in cm (L x W x H)	
What is the type of industry (application)?	

Note:

Email to solutions@topring.ca | For all questions 1-888-542-1799

DESICCANT AIR DRYERS

A desiccant air dryer offers a simple and reliable method of ensuring pneumatic equipment is not exposed to damaging moisture.

When air is compressed, the air temperature is increased as well as its capacity to hold moisture. As the hot air travels downstream through the lines, it cools, allowing the moisture to condense.

After coolers, dryers, filters and automatic drains are effective ways to remove liquid condensates, but for removing residual water vapors and aerosols, a desiccant air dryer is recommended.

HOW IT WORKS

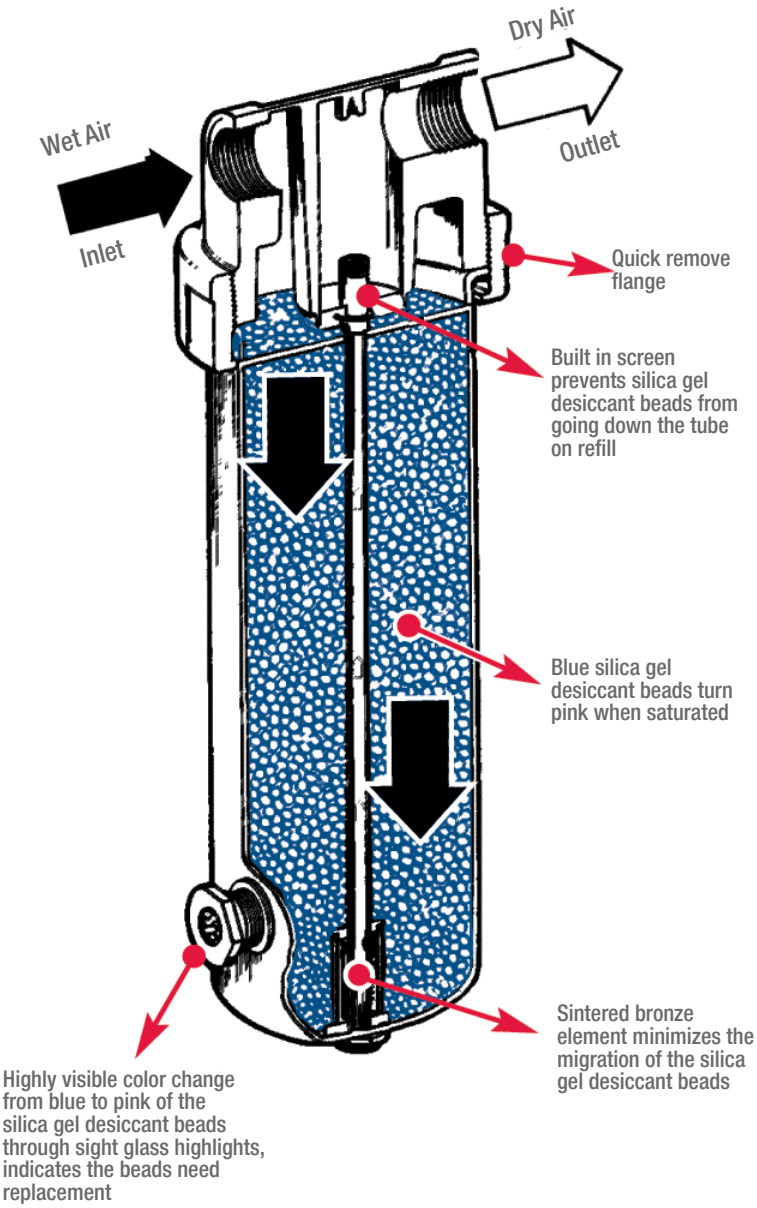
As wet compressed air flows through the silica gel desiccant beads, it adsorbs water vapor and aerosols. The silica gel desiccant beads are so effective, the air humidity can be reduced down to a -40°C pressure dew point.

Unless compressed air is exposed to a temperature below the dew point, there will be no further condensation forming in airlines.

The dry air then passes through a sintered bronze element, up the center tube, and out the outlet port.

As long as the silica gel desiccant beads are maintained regularly, the desiccant air dryer will produce ultra-dry, moisture-free air.

When the blue silica gel desiccant beads in the sight glass change to pink, the beads need replacement.



DESICCANT AIR DRYERS

- Designed to provide high quality and dry air
- Ideal for removing oil, aerosols, water vapors and dirt from compressed air networks
- Designed for ultimate protection in applying state-of-the art refinishing materials
- Deliver extremely dry compressed air without the use of electricity or refrigerants
- Compact size
- Silica gel desiccant beads provide maximum moisture adsorption
- Easy silica gel desiccant beads change out: regenerate or replace
- For spray painting, protection of air network exposed to freezing temperatures, instrumentation, moisture sensitive tools, laboratory instruments and controlled air systems

3 STAGES FOR CLEAN, DRY COMPRESSED AIR:

A desiccant air dryer needs to be protected from oil by using a coalescing filter, which needs to be protected by a standard filter.

These desiccant air dryers are therefore usually provided in 3-stage systems.



1st stage: FILTRATION

- The air first enters the particulate filter, which has a 5 micron element
- In this stage, corrosive moisture, pipe scale, dirt and rust are removed from the air network

2nd stage: COALESCENCE FILTRATION

- 99.99% of oil and aerosols are removed from the air
- Fine filtration also takes place and microscopic particles down to 0.01 micron or 0.3 micron (depending on model) are removed

3rd stage: DEHYDRATION

- As the air enters the desiccant air dryer, it is dispersed through a filter element which distributes air evenly through the silica gel desiccant beads
- The silica gel desiccant beads adsorb water vapor from the air, producing a -40 °C pressure dew point

DESICCANT AIR DRYERS (15 TO 50 SCFM)

SILICA GEL INCLUDED

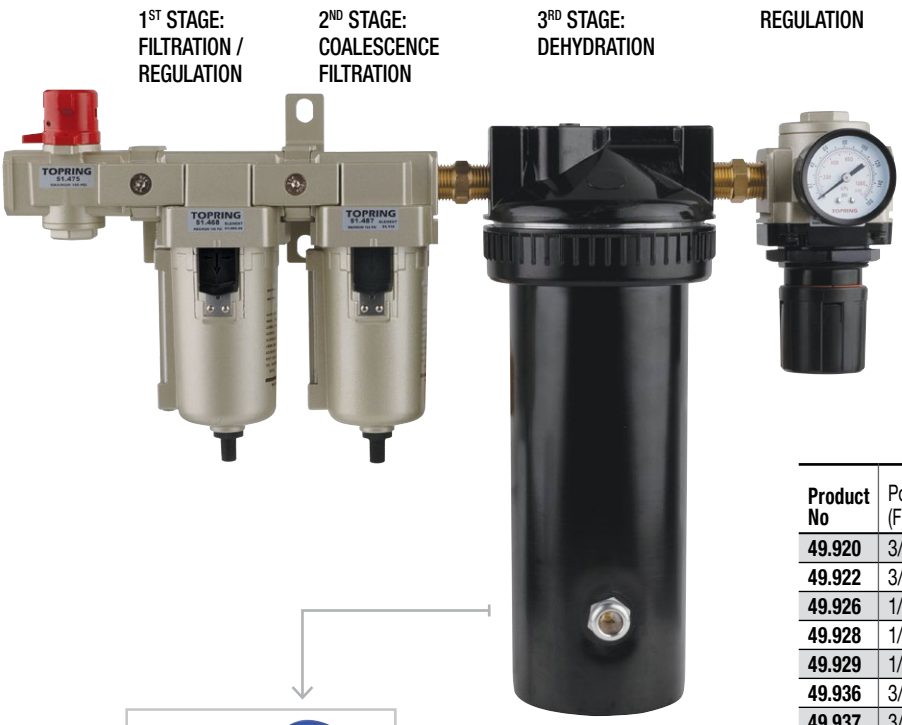
- Safety shut off valve
- 5 micron filter with automatic drain
- 0.01 micron (3/4 NPT) or 0.3 micron (1 NPT) coalescing filter with automatic drain
- Highly visible color changes from blue to pink through sight glass highlights the need for the need for silica gel service
- Pressure regulator with gauge installed after desiccant air dryer to compensate for pressure drops
- Fittings and mounting brakets included

Specifications

Maximum Working Pressure: 150 PSI

Working Pressure: 0 to 125 PSI

Working Temperature: 4 to 49 °C



Product No	Port Size (F) NPT	Flow SCFM	Desiccant Capacity
49.920	3/8	15	1.1 kg
49.922	3/8	25	2.0 kg
49.926	1/2	15	1.1 kg
49.928	1/2	25	2.0 kg
49.929	1/2	30	3.6 kg
49.936	3/4	40	3.6 kg
49.937	3/4	50	3.6 kg



It is important and recommended to regularly observe the saturation state of the desiccant beads to ensure the proper operation of the air dryer.

DESICCANT AIR DRYER UNITS (15 TO 50 SCFM)

SILICA GEL INCLUDED

- Convenient and cost-effective means of ensuring sensitive applications are never exposed to damaging moisture
- Drying efficiency down to -40 °C pressure dew point
- Intake flow design takes air through entire supply of desiccant air dryer for maximum drying capacity
- Highly visible color changes from blue to pink through sight glass highlights the need for service
- No external power sources required, needs no electrical connection
- No "purged air loss" as with regenerative dryers
- Easily and quickly serviced
- Built-in particulate after filter prevents downstream dust
- Low pressure drops
- Compact size for point-of-use applications

Materials

Body: Zinc (49.914: aluminum)

Flange Ring: Steel

Bowl: Steel (49.914: aluminum)

Filter Element: Sintered bronze and polypropylene

Flow Tube: Brass

Seals: Nitrile rubber

Sight Glass: Polycarbonate

Specifications

Maximum Inlet Pressure: 250 PSI

Working Temperature: 0 to 49 °C

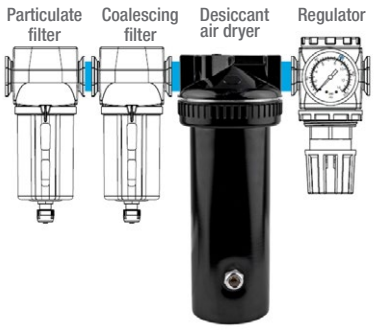


Product No	Port Size (F) NPT	Flow SCFM	Desiccant Capacity	Micron Element
49.906	1/2	15	1.1	40
49.908	1/2	25	2.0	40
49.910	1/2	30	3.6	40
49.912	3/4	40	3.6	40
49.914	3/4	50	3.6	40

INSTALLATION TIP

Upstream the desiccant air dryer, always install a water separator or a particulate filter to remove bulk moisture and a coalescing filter to remove oil.

Downstream the desiccant air dryer, always install a regulator.



DESICCANT AIR DRYER (25 SCFM)

SILICA GEL INCLUDED

- 5 micron filter with automatic drain
- 0.01 micron coalescing filter with automatic drain
- Highly visible color change from blue to pink through sight glass highlights the need for silica gel service
- Space-saving integrated filter/regulator with gauge
- Safety slide valve included

Specifications

Maximum Working Pressure: 175 PSI
Pressure Range: 0 to 125 PSI
Working Temperature: 4 to 49 °C
Maximum Airflow Capacity: 25 SCFM

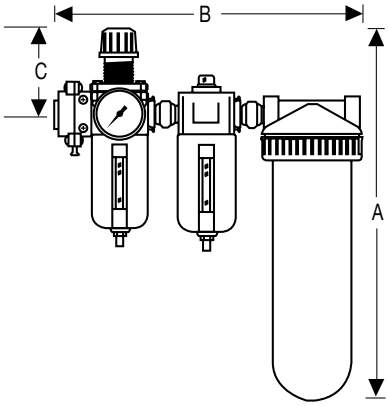


1ST STAGE: FILTRATION / REGULATION

2ND STAGE: COALESCENCE FILTRATION

3RD STAGE: DEHYDRATION





Product No	Port Size (F) NPT	Maximum Airflow Capacity SCFM	Dimensions (cm)			Desiccant Capacity
			A	B	C	
49.985	1/2	25	36.2	10.2	41.3	1.1 kg



It is important and recommended to regularly observe the saturation state of the desiccant beads to ensure the proper operation of the air dryer.

Replacement Parts

Product No	Description
49.062	Element 5 microns for Filter
49.063	Element 0.01 micron for Coalescing Filter
49.064	Bronze Element for Desiccant Air Dryer
50.003	Internal Auto Drain for Filter and Coalescing Filter
49.065	Diaphragm Assembly for Filter/Regulator
49.067	Flow Tube Repair Kit for Desiccant Air Dryer
54.695	Silica Gel Desiccant Beads 2.3 kg
49.999	Silica Gel Desiccant Beads 9.1 kg (20 lb) / 4 x 2.3 kg (5 lb)

NOTES

Condensate drains







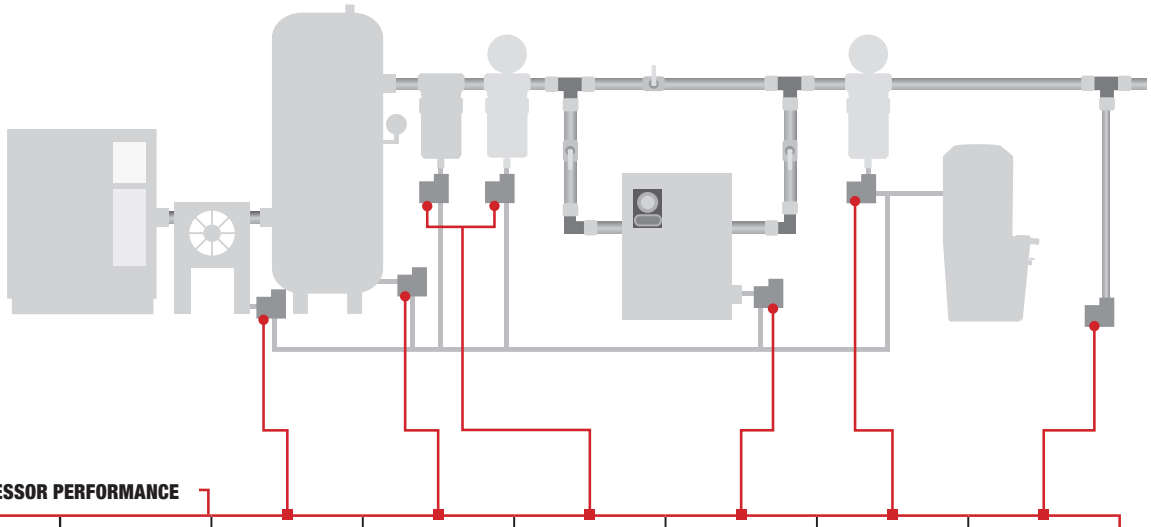


Group 1 • Series 59

TOPRING

Compressed air solutions

TOPDRAIN® AND LOGIDRAIN® SELECTION GUIDE



COMPRESSOR PERFORMANCE

COMPRESSOR OUTPUT (HP)	NOMINAL DRAIN CAPACITY (CFM)	COMPRESSOR AFTERCOOLER	TANK	WATER SEPARATOR PREFILTER	REFRIGERATED AIR DRYER	FILTER	DRAIN LEG
≤ 20	80	TOPDRAIN 59.250 / 59.230	TOPDRAIN 59.250 / 59.230	TOPDRAIN 59.250	TOPDRAIN 59.250 / 59.230 LOGIDRAIN 59.248 / 59.231	TOPDRAIN 59.250 / 59.230 LOGIDRAIN 59.248 / 59.231	TOPDRAIN 59.250 / 59.230 LOGIDRAIN 59.248 / 59.231
25	100	LOGIDRAIN 59.248 / 59.231					
40	160						
50	200		LOGIDRAIN 59.251 / 59.232				
60	240						
75	300	LOGIDRAIN 59.251 / 59.232			LOGIDRAIN 59.251 / 59.232		
100	400	LOGIDRAIN 59.252 / 59.233					
150	600				LOGIDRAIN 59.252 / 59.233		
200	800	LOGIDRAIN 59.254 / 59.242					
250	1000						
300	1200				LOGIDRAIN 59.254 / 59.242		
400	1600	LOGIDRAIN 59.256 / 59.244					
500	2000						
700	2800		LOGIDRAIN 59.252 / 59.233	LOGIDRAIN 59.248 / 59.231	LOGIDRAIN 59.256 / 59.244	LOGIDRAIN 59.251 / 59.232	
1000	4000					LOGIDRAIN 59.252 / 59.233	
1500	6000		LOGIDRAIN 59.254 / 59.242	LOGIDRAIN 59.252 / 59.233			
2000	8000	LOGIDRAIN 59.258 / 59.246	LOGIDRAIN 59.256 / 59.244	LOGIDRAIN 59.254 / 59.242		LOGIDRAIN 59.254 / 59.242	LOGIDRAIN 59.251 / 59.232

TOPDRAIN®
" ZERO AIR LOSS " AUTOMATIC DRAINS

The **TOPDRAIN** automatic drain is an innovative system of automatic condensate drainage, designed to apply on compressors, aftercoolers, dryers and filters.

The **TOPDRAIN** automatic drain integrates all the solutions suited to guarantee the drain operation without clogging or waste of compressed air by using a highly reliable level sensor, a large drain duct with a servo controlled membrane and an inner stainless steel filter to hold impurities. The filter can be inspected and cleaned.

The **TOPDRAIN** automatic drain is extremely easy to install, even in very small spaces thanks to its extremely compact size and user-friendly connection system. It is possible to realize various connection systems to fit the product at each specific application: in this way it is possible to optimize the installation and at the same time minimize handling costs.

- Electronic condensate drains with digital level control
- Compact design, minimal space required
- Optimal price/performance ratio
- Integrated filter to collect contaminations
- Easy cleaning and maintenance

Materials

Body Material: Polyamide
Chamber: Aluminum
Valve Internal Parts: Stainless steel
Diaphragm: Fluoroelastomer

Specifications

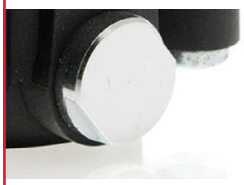
Maximum Supply Pressure: 230 PSI
Working Temperature: 1 to 60 °C
Voltage: 115 VAC / 1ph / 50-60 Hz
Power Cord: 1.8 m heavy duty cord with tripolar connector included with 59.250



Fast-easy lock connection



Connection for drainage tube



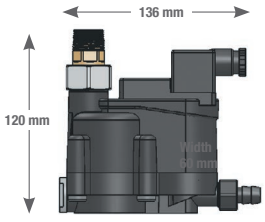
Integrated filter to collect contamination



Ball valve strainer included



59.250
with electrical cord



With electrical cord Product No	Without electrical cord Product No	Connections		Capacity SCFM		
		Inlet(s) NPT	Outlet I.D. (Hose Barb)	Compressor, Aftercooler	Refrigerant Air Dryer	Filter, Water Separator
59.250	**59.230**	1/2 (M)	12 mm	128	249	1278

MAINTENANCE KIT WITH INTERNAL VALVE



Product No	For Models
59.264	59.250 and 59.230

LOGIDRAIN®
" ZERO AIR LOSS " AUTOMATIC DRAIN



The **LOGIDRAIN** automatic drains have been designed to solve the problem of condensation water drainage from production plants and compressed air distribution systems. The specific technology applied permits a controlled drainage of condensation water without any compressed air leaks.

The **LOGIDRAIN** automatic drains are equipped with an integrated storage tank that has a level sensor inside which has been mounted and is controlled by an intelligent electronic circuit based on an 8-bit microprocessor logic. All drain functions are displayed on a control panel. A test button is available on the control panel for manual drainage.

The **LOGIDRAIN** automatic drains start working as soon as a sensor detects water at max. level and controls the opening of the solenoid valve in order to take the water level back down to a minimum value, leaving a small residual quantity to prevent the system from discharging compressed air. In case of trouble, the control circuit unlocks the drain pipe by carrying out a series of forced opening/closing cycles of the solenoid valve. If this is not enough, the problem is reported outside by an alarm with potential-free contact that can be used to draw the attention of maintenance staff in order to instruct the plant control logic.

All versions are suitable for working with any type of condensation water even the most aggressive one or water containing a high percentage of oil. A built-in receiver of filter, that is easy to clean, prevents the solenoid valve from clogging.

- No wastage of compressed air
- Condensate drains with electrical level control
- Intelligent logic based on an 8-bit microprocessor recording events on an integral flash memory
- "Easy-lock revolving" connection
- Adjustable for vertical and/or horizontal connections
- Integrated filter to collect contaminated condensate
- Easy to clean and maintain
- Remote alarm connection
- Receiver with treatment resistent to most aggressive condensates, like those of oil-free compressors

Materials

Body: Polyamide

Chamber: Aluminum

Valve Internal Parts: Stainless steel

Diaphragm: Fluoroelastomer

General Specifications

Maximum Supply Pressure: 230 PSI

Working Temperature: 1 to 60 °C

Voltage: 115 VAC / 1ph / 50-60 Hz

Power Cord: 1.8 m heavy duty cord with tripolar connector included with 59.242, 59.244, 59.246, 59.248, 59.250, 59.251, 59.252

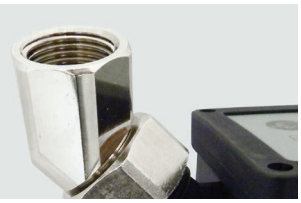
Ball Valve Strainer: included with all models



Built-in dirt screen easy to clean prevents the solenoid from clogging



Dry alarm contact - The drain is equiped with a special alarm cycle that starts working in case of trouble



Revolving top condensate inlet offering an additional balance line connection



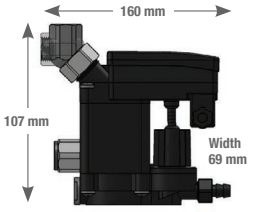
LED indicators for power ON and valve operation

LOGIDRAIN®
" ZERO AIR LOSS " AUTOMATIC DRAIN



59.248
with electrical cord

With electrical cord Product No	Without electrical cord Product No	Connections		Capacity SCFM		
		Inlet NPT	Outlet I.D. (Hose Barb)	Compressor, Aftercooler	Refrigerant Air Dryer	Filter, Water Separator
59.248	**59.231**	1/2 (F)	12 mm	270	533	2698





Fast easy-lock connection



Connection for drainage tube

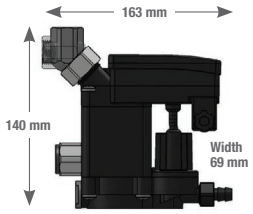


Integrated filter to collect contamination



59.251
with electrical cord

With electrical cord Product No	Without electrical cord Product No	Connections		Capacity SCFM		
		Inlet NPT	Outlet I.D. (Hose Barb)	Compressor, Aftercooler	Refrigerant Air Dryer	Filter, Water Separator
59.251	**59.232**	1/2 (F)	12 mm	320	639	3195





Fast easy-lock connection



Connection for drainage tube



Integrated filter to collect contamination

MAINTENANCE KIT
WITH INTERNAL VALVE



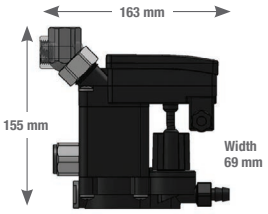
Product No	For Models
59.265	59.248, 59.231, 59.251 and 59.232

LOGIDRAIN®
"ZERO AIR LOSS" AUTOMATIC DRAIN



59.252
with electrical cord

With electrical cord Product No	Without electrical cord Product No	Connections		Capacity SCFM		
		Inlet NPT	Outlet I.D. (Hose Barb)	Compressor, Aftercooler	Refrigerant Air Dryer	Filter, Water Separator
59.252	**59.233**	1/2 (F)	12 mm	639	1278	6391





Fast easy-lock connection



Connection for drainage tube

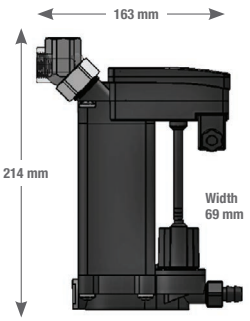


Integrated filter to collect contamination



59.242
with electrical cord

With electrical cord Product No	Without electrical cord Product No	Connections		Capacity SCFM		
		Inlet NPT	Outlet I.D. (Hose Barb)	Compressor, Aftercooler	Refrigerant Air Dryer	Filter, Water Separator
59.242	**59.254**	1/2 (F)	12 mm	1278	2556	12781





Fast easy-lock connection



Connection for drainage tube



Integrated filter to collect contamination



Secondary inlet

MAINTENANCE KIT WITH INTERNAL VALVE



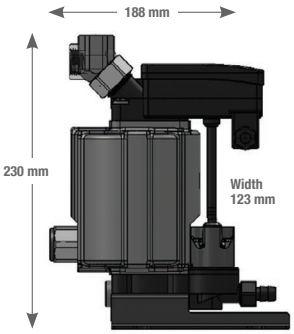
Product No	For Models
59.265	59.252, 59.233, 59.242 and 59.254

LOGIDRAIN®
"ZERO AIR LOSS" AUTOMATIC DRAIN



59.244
with electrical cord

With electrical cord Product No	Without electrical cord Product No	Connections		Capacity SCFM		
		Inlet(s) NPT	Outlet I.D. (Hose Barb)	Compressor, Aftercooler	Refrigerant Air Dryer	Filter, Water Separator
59.244	**59.256**	1/2 (F) x 2	12 mm	6746	13491	67456

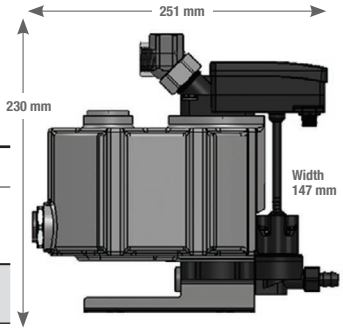






59.258

With electrical cord Product No	Without electrical cord Product No	Connections		Capacity SCFM		
		Inlet(s) NPT	Outlet I.D. (Hose Barb)	Compressor, Aftercooler	Refrigerant Air Dryer	Filter, Water Separator
59.246	**59.258**	1/2 (F) x 2 3/4 (F) x 1	12 mm	12781	25562	127811





MAINTENANCE KIT
WITH INTERNAL VALVE



Product No	For Models
59.266	59.244, 59.256, 59.246 and 59.258

MAXDRAIN®
COMPACT PROGRAMMABLE DIGITAL AUTOMATIC DRAIN



Designed to remove condensate from compressors, compressed air dryers and receivers up to any size, type or manufacturer. Can be installed also to a separator and on a drop leg.

- Ensures fully automatic and reliable condensate drainage
- True digital timer control allows virtually limitless programming control
- Allows true programming of drain times based on rate of condensate generation
- Valve can open from 1 sec to 99 h 59 min 59 sec
- The drain will keep the programming settings in memory, even after a power failure or disconnection
- LED indicating power ON or OFF
- Test switch for routine inspection and depressurisation
- Simple and quick installation
- Saves maintenance time
- Drain with timer, ball valve and strainer in one compact package
- Strainer with bypass protects valve and allows for convenient, easy access and removal of particles that could block the valve

Materials

Valve Body: Brass and stainless steel
Enclosure: ABS Plastic
Strainer: Brass
Seals: Viton

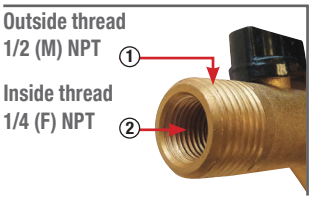
Specifications

Maximum Supply Pressure: 230 PSI
Working Temperature: 0 to 60 °C
Maximum Fluid Temperature: 90 °C
Voltage: 115 V / 1 ph / 50-60 Hz
Rating: NEMA 4
Interval time: 1 sec to 99 h 59 min 59 sec
Discharge time: 1 sec to 99 h 59 min 59 sec
Mounting: Horizontal or vertical
Power Cord: 1.8 m heavy-duty grounded



CYCLE TIME | PURGE TIME
PROGRAMMABLE

CE



Product No	Inlet	Outlet
59.365	1/2 (M) NPT ① 1/4 (F) NPT ②	1/2 (F) NPT

MAXDRAIN®
COMPACT ELECTRONIC AUTOMATIC DRAINS



Designed to remove condensate from compressors, compressed air dryers and receivers up to any size, type or manufacturer. Can be installed also to a separator and on a drop leg.

- Fully automatic - no maintenance
- Cost effective solution for regular, reliable condensate removal in pneumatic systems
- Reduce compressed air loss
- Installation is simple and quick
- Adjustable purge time from 0.5 to 10 seconds
- Adjustable cycle drain time of 30 seconds to 45 minutes
- Test switch - for routine inspection and depressurisation
- Solid-state timer for long life and reliability
- LED indicating power ON or OFF
- Large-orifice valve ensuring a self-cleaning process
- "Y" strainer and ball valve (59.345)
- Strainer with bypass protects valve and allows for convenient, easy access and removal of particles that could block the valve (59.345)

Materials

Valve Body: Brass and stainless steel
Enclosure: ABS plastic
Strainer: Brass
Seals: Viton

Specifications

Maximum Supply Pressure: 230 PSI
Working Temperature: 0 to 60 °C
Maximum Fluid Temperature: 90 °C
Voltage: 115 V / 1 ph / 50-60 Hz
Rating: NEMA 4
Interval time: 30 sec to 45 min
Discharge time: 0.5 to 10 sec
Mounting: Horizontal or vertical
Power Cord: 1.8 m heavy-duty grounded

CYCLE TIME	PURGE TIME
30 SEC TO 45 MIN	0.5 TO 10 SEC

CE



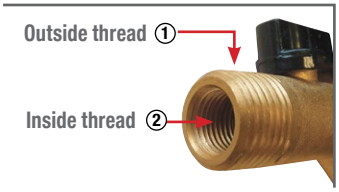
59.346



59.345



59.349



Product No	Inlet	Outlet
59.345	1/2 (M) NPT ① 1/4 (F) NPT ②	1/2 (F) NPT
59.346	1/4 (F) NPT	1/4 (F) NPT
59.349	1/2 (M) NPT ① 3/8 (F) NPT ②	1/2 (F) NPT

HIFLO
MECHANICAL AUTOMATIC DRAIN

- Automatically expels condensed moisture and high and low viscosity liquids from compressed air systems
- Can be used where liquids tend to accumulate on a compressed air line system such as a drop leg
- Unique self-cleaning poppet ensures reliability and low maintenance
- High resistance to rust and dirt
- No electricity required

Materials

Body and Bowl: Zinc

Float Mechanism: Plastic

Drain: Plastic

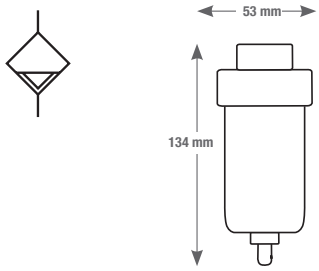
Specifications

Supply Pressure: 30 to 175 PSI

Maximum Working Temperature: 52 °C

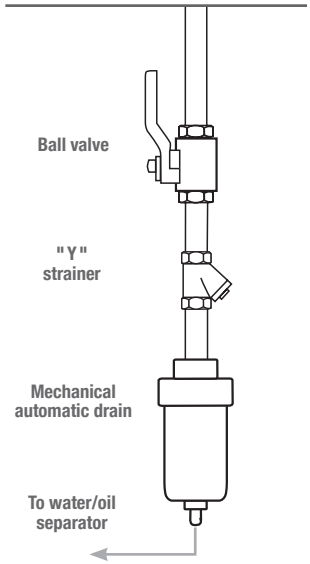
Bowl Capacity: 120 ml





Product No	Inlet
59.445	1/2 (F) NPT

TYPICAL DROP LEG INSTALLATION



INSTALLATION TIP

It is strongly recommended to always install a "Y" strainer (59.705) ahead of an external drain. By trapping large debris and sludge, this will prevent costly malfunctions and extend the life of the automatic drain.

AIRFLO
MECHANICAL AUTOMATIC DRAIN

- Automatically expels condensed moisture and high and low viscosity liquids from compressed air systems
- Can be used where liquids tend to accumulate on a compressed air line system such as a drop leg
- Integrated filter element prevents rust, scale and large particles from fouling float mechanism
- No electricity required

Materials

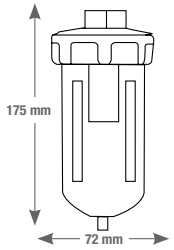
Body: Zinc
Bowl: Polycarbonate
Float Mechanism: Plastic

Specifications

Supply Pressure: 22 to 140 PSI
Working Temperature: 5 to 60 °C
Bowl Capacity: 130 ml

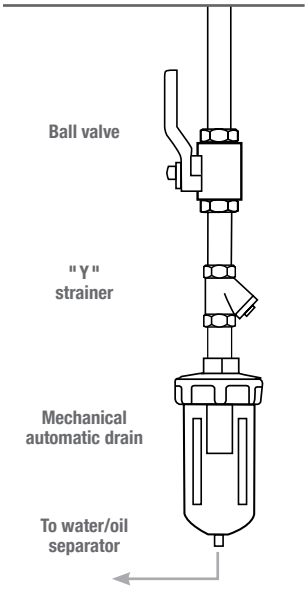






Product No	Inlet	Outlet
59.470	1/2 (F) NPT	1/8 (M) BSPT

TYPICAL DROP LEG INSTALLATION



INSTALLATION TIP

It is strongly recommended to always install a "Y" strainer (59.705) ahead of an external drain. By trapping large debris and sludge, this will prevent costly malfunctions and extend the life of the automatic drain.

MAXDRAIN®
MECHANICAL AUTOMATIC DRAIN

- The condensate is collected in a storage tank. A float opens a valve when a certain level of condensate is reached. The condensate flows through the outlet of the drain automatically
- Can be used where liquids tend to accumulate on a compressed air line system such as a drop leg
- It is possible to install a hose to direct the flow of condensate to a specific location
- No electricity required
- Economical
- Low maintenance

Materials

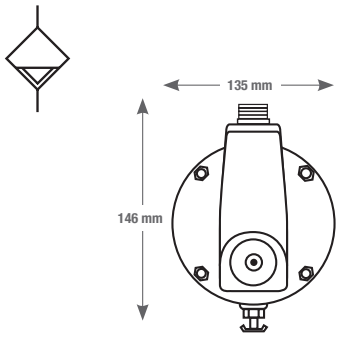
Body: Aluminum
Union and Drain Cock: Brass
Seal: NBR

Specifications

Maximum Working Pressure: 290 PSI
Working Pressure: 0 to 230 PSI
Working Temperature: -1 to 80 °C
Bowl Capacity: 400 ml

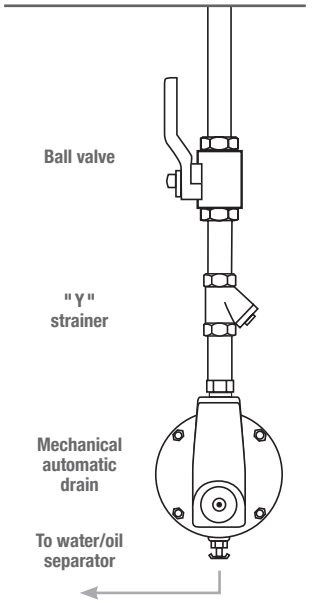






Product No	Inlet	Outlet
59.465	1/2 (M) NPT	1/2 (F) NPT

TYPICAL DROP LEG INSTALLATION



INSTALLATION TIP

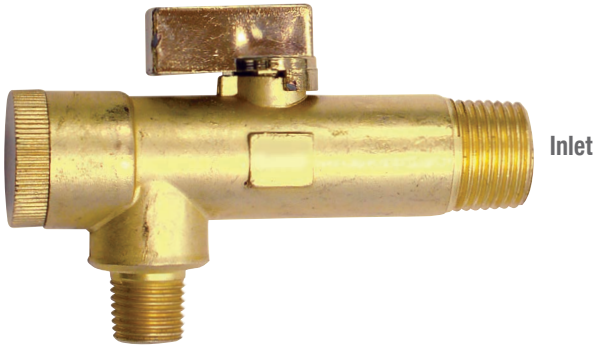
It is strongly recommended to always install a "Y" strainer (59.705) ahead of an external drain. By trapping large debris and sludge, this will prevent costly malfunctions and extend the life of the automatic drain.

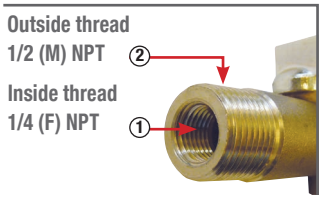
BALL VALVE STRAINERS

Ball valve strainers provide the possibility to isolate condensate drains for maintenance without having to depressurize the whole system.

Material

Brass





Product No	Inlet	Outlet
59.710	1/2 (M) NPT ② 1/4 (F) NPT ①	1/4 (M) NPT
59.714	1/2 (M) NPT ② 1/4 (F) NPT ①	1/2 (M) NPT

"Y" STRAINERS

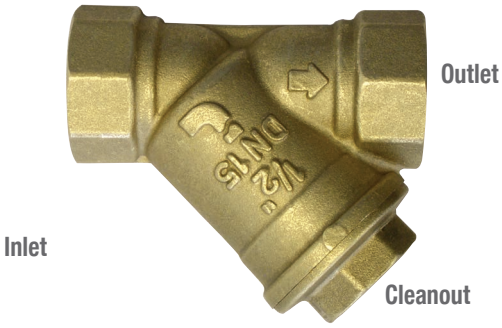
- A "Y" strainer installed ahead of an external drain traps large debris and sludge, prevents malfunctions and extends the life of the automatic drain
- Removable plug for quick draining

Material

Brass

Specifications

Maximum Supply Pressure: 300 PSI



Product No	Orifice Diameter
59.700	1/4 (F) BSPP
59.702	3/8 (F) BSPP
59.705	1/2 (F) BSPP

NOTES

Water/oil separators









Group 1 • Series 57

TOPRING

Compressed air solutions

COMPRESSED AIR AND OILY CONDENSATES

Because most compressors are lubricated, the compressed air flowing through a compressed air piping system usually carries a bit of oil. Compressor manufacturers state the concentration of oil that ends up in compressed air in ppm (parts per million by weight).

As wear on the compressor increases, so does the concentration of oil. It is not unusual to find lubricated compressors that emit an oil concentration of over 25 ppm. For example, based on an oil concentration of 25 ppm, a typical compressor producing 100 SCFM over a 35-hour period will release 240 ml of oil.

REGULATIONS ON DISCHARGED CONDENSATE

Due to its oil content, condensate collected at a compressor output must be treated before being discharged into the sewer system. Provincial environmental authorities prohibit oil from being discharged onto the ground or into bodies of water.

In 2009, the Canadian Council of Ministers of the Environment (CCME) issued a recommendation setting the **maximum permitted concentration of mineral oils and grease in sewer-discharged water to 15 mg/L** (ref. PN1422).
Most Canadian municipalities follow the CCME recommendations.

THE SOLUTION FOR EFFECTIVE CONDENSATE TREATMENT

Condensate collected by drains must be treated. After water/oil separators collect this condensate, a filter attracts and retains droplets but repels water. Once treated, the collected water is up to 99.5% clean.

The tiny amount of remaining oil (5 mg/L) can be legally discharged into the sewer.



Typical installation of an **HIFLO** oil/water separator

HIFLO
WATER/OIL SEPARATORS

TOPRING HIFLO water/oil separators efficiently treat oils and other condensate contaminants from the compressed air system for safe and legal disposal in the drain.

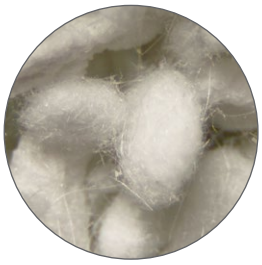
They separate any type of condensate discharged from a drain and reduce condensate disposal costs. It is easy to select a water/oil separator model based on the applications airflow requirements (SCFM).

- Lower outlet oil concentrations in water down to 5 ppm or less even with synthetic compressor oils
- Environmentally friendly with 100% recycled and recyclable filtration media





PERFORMANT FILTRATION MEDIA



- Non-carbon based filtration media that attracts oil droplets and repels water
- Clean, lightweight and easy to handle
- Long filtration media service life for lower life cycle costs

EASY INSTALLATION



- The filters are ready to use, requiring no pre-soaking
- Space saving and smaller footprint for easier installation
- Wall mounting kits available

EASY MAINTENANCE

- Service indicator to ensure periodical replacement of the filters
- No settling or collection tanks to be purged and cleaned
- Removable cover for easy access of internal components



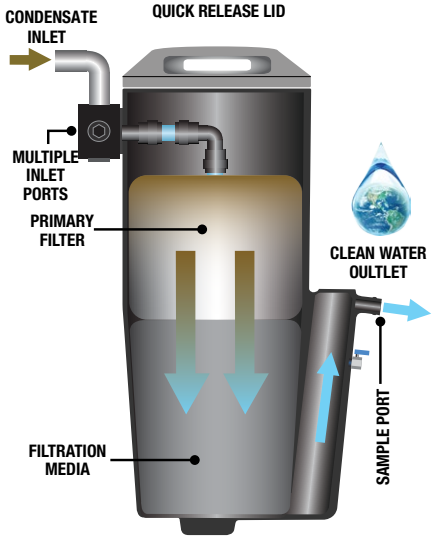
The maintenance indicator ensures a quick replacement of the filter elements

Product No	Expected duration of the filter element
57.500	8 000 hr at 30 SCFM 5 000 hr at 60 SCFM
57.502 to 57.512	5 000 hr at 120 / 2 500 SCFM

FONCTIONNEMENT

As the condensate passes through the primary filter, it is depressurized. The solid particles are then trapped, protecting the secondary filter and catching bulk hydrocarbons in a high capacity oil absorber.

The condensate then passes through the filtration media which absorbs oil (concentrations of 5 ppm or less).



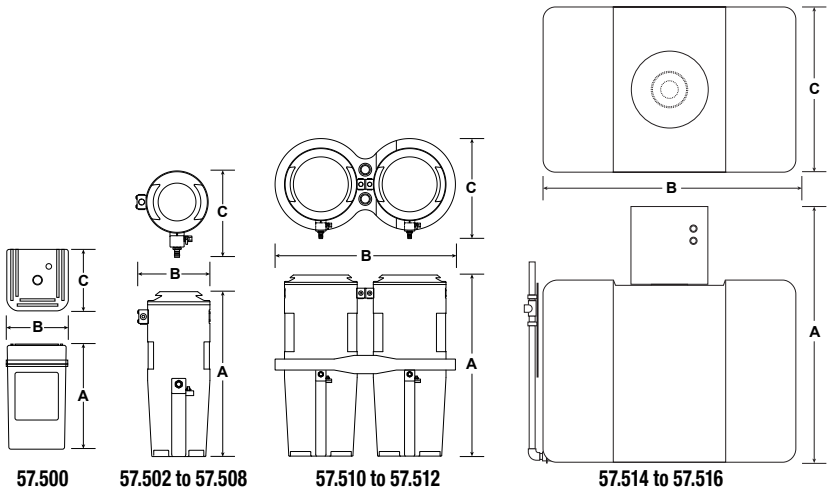
HIFLO
WATER/OIL SEPARATORS

With an advanced polypropylene filter, it can separate any type of condensate containing any type of compressor lubricant discharged from any type of drain, without the need for a settling or storage tank.

A cost effective and reliable solution that meet environmental regulations for condensate disposal.

- Highest performance and low operating cost
- Reliable, lightweight, clean, dust-free
- Easy to handle, install and remove
- No pre-soaking required saving installation and maintenance costs
- High quality single piece molded body
- Multiple inlet connections for multiple purge points
- Perfect for installations with portable applications for restricted floor space, with any type of oil compressor or type of drain and with emulsified mixtures
- Perfect for meeting EPA landfill regulations





Material
Polyethylene

Specifications
Inlet condensate temperature range: 1.7 to 43 °C

Maximum condensate inlet pressure: 232 PSI

Typical oil carry over at the outlet after adsorption: 5 ppm

Product No	Inlet(s) (F) NPT	Outlet (F) NPT	Maximum Flow * SCFM	Maximum Flow ** SCFM	Dimensions cm			Weight kg
					A	B	C	
57.500	1/4 O.D.***	3/8 O.D.***	60	30	22.86	12.70	12.70	1.3
57.502	1/2 (x 4)	3/4	120	60	48.26	20.32	25.40	2.7
57.504	1/2 (x 4)	3/4	360	180	63.52	33.02	27.94	3.6
57.506	1/2 (x 4)	3/4	900	450	96.52	43.18	48.26	15
57.508	1/2 (x 4)	3/4	1250	625	96.52	48.26	48.26	20
57.510	1/2 (x 8)	3/4	1800	900	96.52	96.52	50.80	31
57.512	1/2 (x 8)	3/4	2500	1250	96.52	109.22	53.34	43
57.514	3/4 (x 2)	3/4	3500	1750	100.08	100.08	70.10	145
57.516	3/4 (x 2)	3/4	7000	3500	100.08	109.99	109.99	212

Wall mounting bracket	Replacement media kit
Product No	
Included	---
57.542	57.522
57.544	57.524
---	57.526
---	57.528
---	57.530
---	57.532
---	57.534
---	57.536

* Choice based on a compressor using mineral or synthetic oil with an oil residue adsorption capacity of 5 mg/m^3 or less

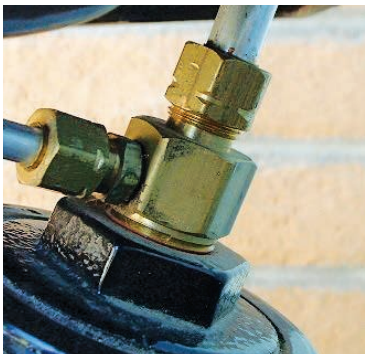
** Choice based on a compressor using polyglycol

***Push-to-connect

INSTALLATION TIP
Please refer to Series 47 to see the aluminum manifold bars required for water/oil separator installation

Compressor and air tank valves



Group 1 • Series 09

TOPRING

Compressed air solutions

ASME BRASS SAFETY VALVES

Designed to protect from over-pressurization air compressor tanks and other unfired pressure vessels by exhausting air when the maximum pressure is reached.

- Factory set to a non-adjustable pressure setting, at which point the valve will release system air to the atmosphere
- High quality, anti-corrosion
- Optimum high flow discharge rates
- High airflow
- Canadian registration number: OG-06391.2
- Manufactured under the regulations of the "National Board of Boiler and Pressure Vessel Inspectors" in accordance with section VIII of the ASME (Americain Society of Mechanical Engineers) code covering valves for unfired pressure vessels

Materials

Body, Valve and Guide: Brass

Ring and Spring: Stainless Steel

Specifications

Working Temperature: - 40 to 177 °C





1/4 (M) NPT

Product No 1/4 (M) NPT	Preset Pressure PSI	Airflow SCFM
09.302	50	51
09.304	75	71
09.306	115	104
09.308	125	112
09.310	140	124
09.312	155	137
09.314	165	145
09.316	175	153
09.318	190	165
09.320	200	173
09.322	225	194
09.324	300	255
09.326	400	336
09.328	450	377



1/2 (M) NPT

Product No 1/2 (M) NPT	Preset Pressure PSI	Airflow SCFM
09.332	50	108
09.334	75	150
09.336	115	218
09.338	125	235
09.340	140	261
09.342	155	287
09.344	165	304
09.346	175	321
09.348	190	346
09.350	200	363
09.352	225	406
09.354	300	534



3/4 (M) NPT

Product No 3/4 (M) NPT	Preset Pressure PSI	Airflow SCFM
09.362	50	233
09.364	75	325
09.366	115	473
09.368	125	509
09.370	140	565
09.372	155	620
09.374	165	657
09.376	175	694
09.378	190	749
09.380	200	786
09.382	225	878
09.384	300	1154

ASME STAINLESS STEEL SAFETY VALVES

Designed to protect from over-pressurization air compressor tanks and other unfired pressure vessels by exhausting air when the maximum pressure is reached.

Manufactured in stainless steel, they are ideal in a corrosive environment.



- Factory set to a non-adjustable pressure setting, at which point the valve will release system air to the atmosphere
- High quality, anti-corrosion
- Optimum high flow discharge rates
- High airflow
- Canadian registration number: OG-06391.2
- Manufactured under the regulations of the "National Board of Boiler and Pressure Vessel Inspectors" in accordance with section VIII of the ASME (Americain Society of Mechanical Engineers) code covering valves for unfired pressure vessels

Materials

Body, Valve and Guide: Stainless Steel 303
Spring: Stainless Steel 17-7pH

Specifications

Working Temperature: - 40 to 177 °C



1/4 (M) NPT

Product No 1/4 (M) NPT	Preset Pressure PSI	Airflow SCFM
09.404	75	71
09.408	125	112
09.412	150	132
09.420	200	173



1/2 (M) NPT

Product No 1/2 (M) NPT	Preset Pressure PSI	Airflow SCFM
09.434	75	150
09.438	125	235
09.442	150	278
09.450	200	363

IN-TANK CHECK VALVES FOR COMPRESSORS

Compressor check valves prevent pressurized air from returning into the compressor pump when the compressor is not running.

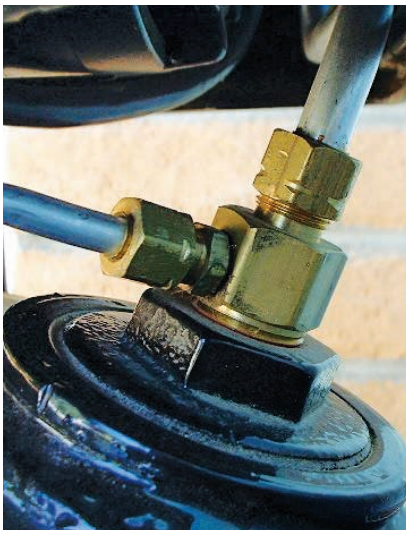
- In-tank check valves screw directly into the air receiver tank and are attached to the compressor's discharge line
- They open to allow flow in one direction and close when the flow stops or reverses
- Economical and reliable
- Two-piece screwed design
- Jam-resistant piston
- Triple-balanced flow design for minimum restriction

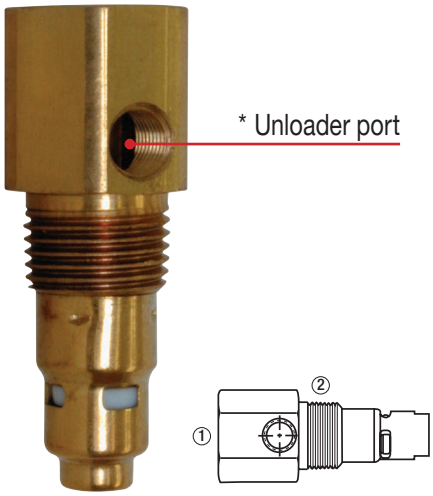
Materials

Body: Brass
Piston: Teflon®
Spring: Stainless steel

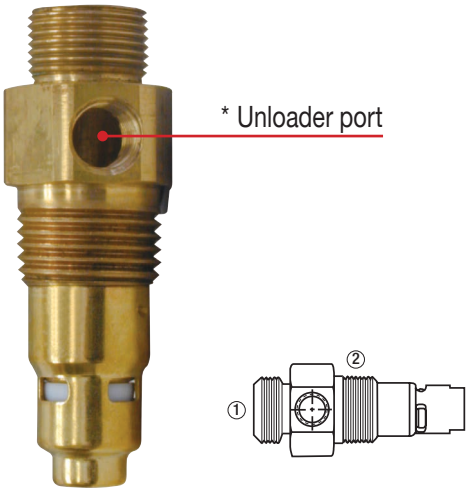
Specifications

Maximum Working Pressure: 500 PSI
Maximum Working Temperature: Up to 232 °C
Unloader Port: 1/8 (F) NPT





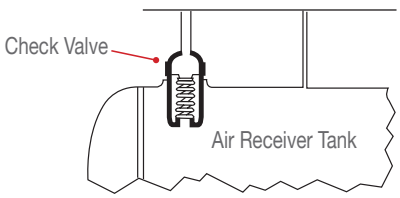
Product No	Inlet ① (F) NPT	Outlet ② (M) NPT	Airflow SCFM
09.605	3/8	1/2	20
09.610	1/2	1/2	20
09.615	3/4	3/4	30
09.620	3/4	1	60
09.625	1	1	60



Product No	Inlet Tube SAE ① Compression Fitting	Outlet ② (M) NPT	Airflow SCFM
09.650	1/2	1/2	20
09.655	3/4	3/4	30

* If not required by the application, the unloader port can be closed with a pipe plug countersunk head 1/8 (M) NPT (41.210)

TYPICAL INSTALLATION



Compressor oils






Group 1 • Series 69

TOPRING

Compressed air solutions

COMPRESSOR OIL GUIDE

DESCRIPTION	PAGE	POUR POINT	GRADE	AVAILABLE SIZES	SERVICE LIFE*	PRODUCT NUMBER
Synthetic Oil for Reciprocating Type Compressor (Piston)	499	-45 °C	ISO 150 / SAE 40	1 L 4 L	6000 to 8000 hours	**69.601** **69.604**
Premium Mineral Oil for Reciprocating Type Compressor (Piston)	500	-18 °C	ISO 150 / SAE 40	1 L 4 L	3000 to 4000 hours	**69.201** **69.204**
Premium Mineral Oil for Screw Type Compressor	501	-36 °C	ISO 46 / SAE 20	18.9 L	3000 to 4000 hours	**69.300**

*** The oil change intervals may vary depending on the ambient temperature**

AIR TOOL OIL GUIDE / See Group 4 • Series 69

DESCRIPTION	PAGE	POUR POINT	GRADE	AVAILABLE SIZES	PRODUCT NUMBER
Extreme Temperature Synthetic Oil	3	-55 °C	ISO 32 / SAE 15	118 ml 500 ml 1 L 4 L	**69.046** **69.450** **69.401** **69.404**
Premium Mineral Oil	4	-32 °C	ISO 32 / SAE 15	500 ml 1 L 4 L 18.9 L	**69.050** **69.101** **69.104** **69.100**
Mineral Food Grade Oil	5	-18 °C	ISO 32 / SAE 15	20 L	**69.800**
Anti-Freeze Lubricant	6	-60 °C	ISO 22	473 ml 3.78 L	**69.900** **69.904**



POUR POINT

The pour point refers to the minimum temperature at which the oil continues to flow.

Below the pour point, the oil tends to thicken and to cease to flow freely.



Caps with spouts and replacement containers are available for sizes 1 and 4 L

SYNTHETIC OIL FOR RECIPROCATING PISTON TYPE COMPRESSOR

This synthetic oil offers optimum lubricating and superior protection of compressor, crankcase and cylinders.

- High resistance against oxidation resulting in reduced gum, sludge and deposits
- Additives which protect against carbon build-up and viscosity break-down
- Extends service intervals by a factor of two and service life of compressor and oil
- Specially formulated for compressor usage in lower operating temperatures
- Lowers compressor operating temperature by up to 10 °C
- Excellent anti-foam properties
- Detergent-free formula
- 1 L bottle size has a convenient flip-up spout



Specifications

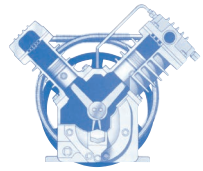
Pour Point: -45 °C

Grade: ISO 150

Service life: 6000 to 8000 hours depending on the temperature used



RECIPROCATING COMPRESSOR (PISTON)





TECH TIP

Carefully check synthetic oil compatibility with compressor before usage. If synthetic oil has been used in the past, compatibility should be checked or the system must be completely purged before changing to another oil type, in order to avoid potential compressor damage.

OILS

Product No	Size
69.601	1 L
69.604	4 L

CAPS AND REPLACEMENT CONTAINERS

Product No	Description
69.500	Cap with spout for 1 L container
69.504	Cap with spout for 4 L container
69.502	1 L container
69.503	4 L container

PREMIUM QUALITY MINERAL OIL FOR RECIPROCATING PISTON TYPE COMPRESSOR

This mineral oil provides maximum lubrication and superior protection for compressor components.

- High quality non-detergent mineral oil
- Maximum lubrication and components protection
- Reduced energy costs by optimizing compressor efficiency
- Extends compressor service life
- Additives that extend lubricant service life and prevent viscosity breakdown
- Prevents rust formation, carbon build-up and varnish problems
- Good resistance against oxidation and wear
- Excellent anti-foam properties
- 1 L bottle size has a convenient flip-up spout



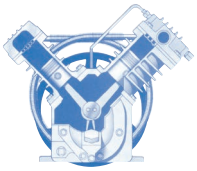
Specifications

Pour Point: -18 °C

Grade: ISO 150

Period of use: 3000 to 4000 hours depending on the working temperature

RECIPROCATING COMPRESSOR (PISTON)







OILS

Product No	Size
69.201	1 L
69.204	4 L

CAPS AND REPLACEMENT CONTAINERS

Product No	Description
69.500	Cap with spout for 1 L container
69.504	Cap with spout for 4 L container
69.502	1 L container
69.503	4 L container

PREMIUM QUALITY MINERAL OIL FOR SCREW COMPRESSOR

- High quality oil
- Extends compressor service life
- All-season oil
- Contains an anti-foaming additive ensuring a fast air evacuation



Specifications

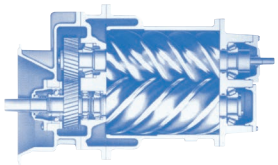
Pour Point: -36 °C

Grade: ISO 46

Period of use: 3000 to 4000 hours depending on the working temperature



SCREW COMPRESSOR

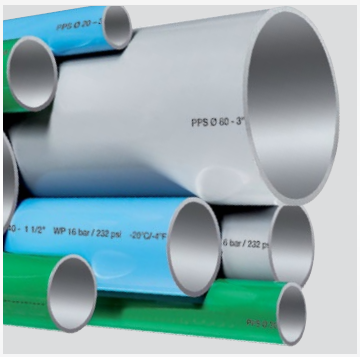




Product No	Size
69.300	18.9 L

NOTES

TOPRING
Piping system



Series 08

mm	16	20	25	32	40	50	63	80	100	160
in	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6

TOPRING

Compressed air solutions

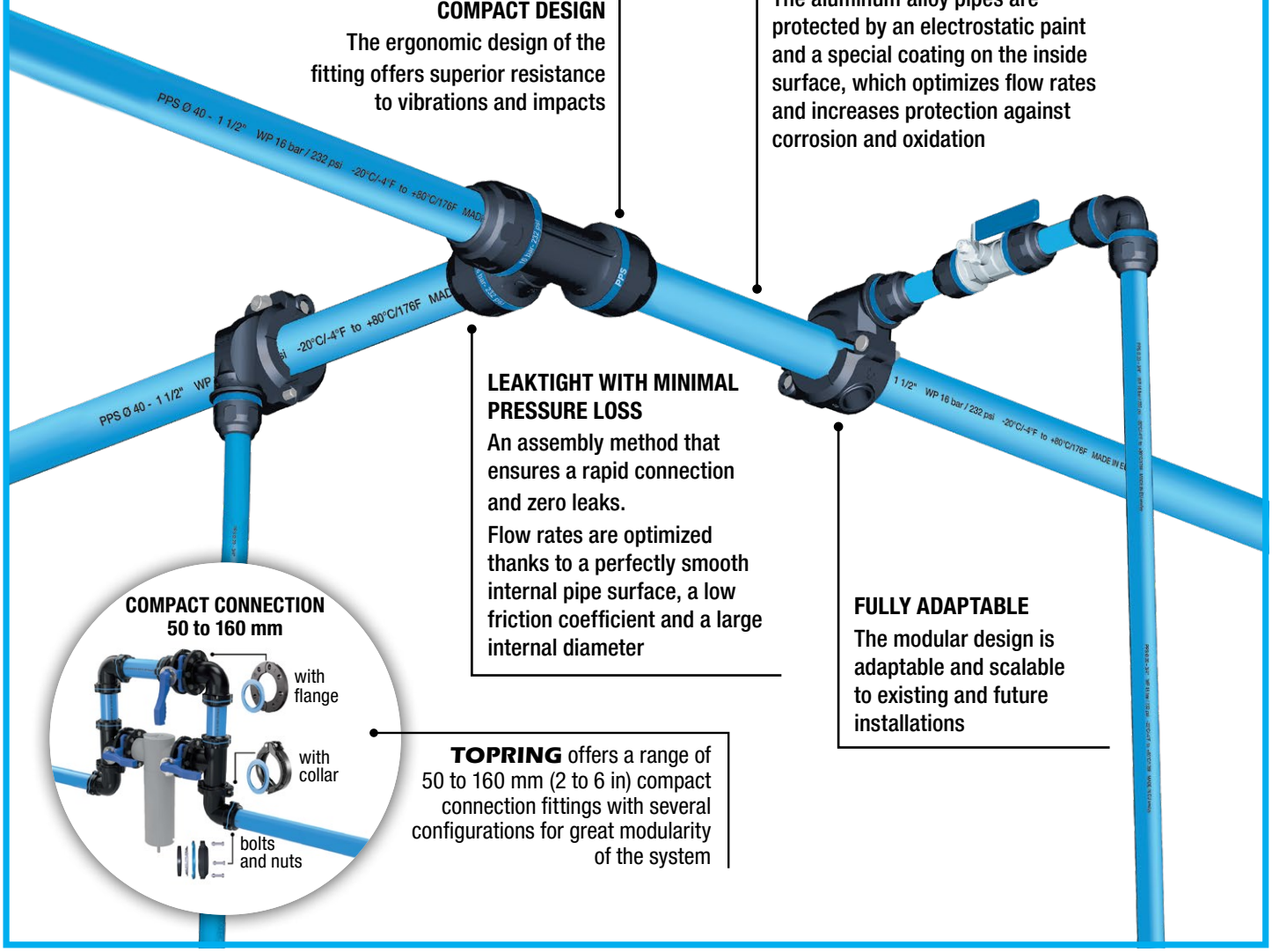
THE MOST ADVANCED COMPRESSED AIR SYSTEM IN THE WORLD

The **TOPRING** compressed air system is made of lightweight, corrosion-resistant pipes and fittings. Quick and easy to install, the system can be pressurized immediately. A durable system that easily adapts to immediate needs or future expansions.

- ✔ Compact, leaktight and optimized flow rate
- ✔ A clean, top quality air supply
- ✔ Quick and easy to assemble
- ✔ Wide range of tube and component diameters from 16 to 160 mm

COMPACT DESIGN
The ergonomic design of the fitting offers superior resistance to vibrations and impacts

100% ALUMINUM PIPES
The aluminum alloy pipes are protected by an electrostatic paint and a special coating on the inside surface, which optimizes flow rates and increases protection against corrosion and oxidation



LEAKTIGHT WITH MINIMAL PRESSURE LOSS
An assembly method that ensures a rapid connection and zero leaks.
Flow rates are optimized thanks to a perfectly smooth internal pipe surface, a low friction coefficient and a large internal diameter

FULLY ADAPTABLE
The modular design is adaptable and scalable to existing and future installations

COMPACT CONNECTION
50 to 160 mm

TOPRING offers a range of 50 to 160 mm (2 to 6 in) compact connection fittings with several configurations for great modularity of the system

CERTIFICATIONS

Pressure Equipment

Fittings and ball valves are registered under the Canadian Registration Number (CRN)

All products are registered with Technical Standard & Safety Authority (TSSA)

All products meet the requirements of ASME B31 / ASME B31.1 / ASME B31.3

All products are in compliance with the European Pressure Equipment Directive (PED) 2014/68 / EU

Safety and Protection

Complies with fire protection standard: STANDARD 13501-1:2018 Classification B-S1,d0

Complies with the flammability safety standard UL 723 -ASTM E84 Class 0.0.0 UL 94 HB

UV resistance

All products comply with the ATEX Directive: 2014/34 / EU Zone 1 & 2 - 21 & 22

Quality of the Fluids

All products are made of aluminum and meet ISO 8573:2010 Class 0.0.0 requirements which guarantees no contamination of the fluid by solid particles, water, moisture or oil

Oil free

Silicone free

The tubes comply with the QUALICOAT label, which guarantees the quality of the painting process, the chemicals used, the finish and the resistance of the tube coating

NSF-H1 certification: meets the requirements of the most strictest applications for the food, chemical, pharmaceutical or cosmetics industries

Environment

Compliant with REACH regulation EC1907/2006

RoHS compliant

The aluminum of tubes and fittings is 100% recyclable

Quality system

Quality system ISO9001-2015 certified

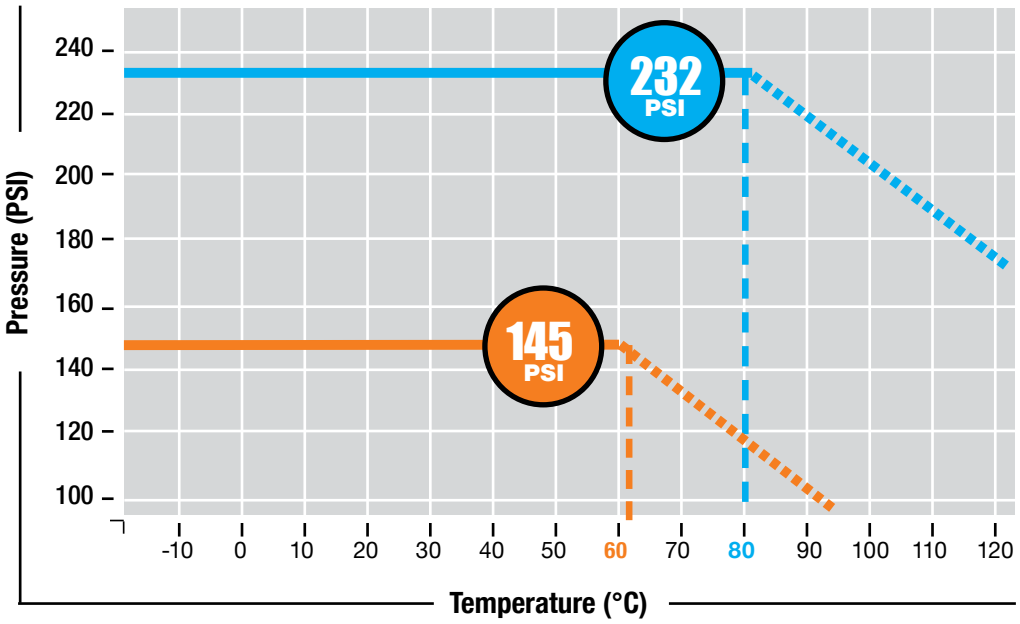
QPS- CERTIFICATION: Certification granted by ASME for the maintenance of an effective quality program particularly in the control of quality processes for the manufacture of pipe fittings and subassemblies for compressed air systems

SPECIFICATIONS

Maximum working pressure: 16 to 160 mm (1/2 to 3 in): 232 PSI (16 BAR)

Burst pressure: 16 to 160 mm safety coefficient of 5:1 (232 PSI x 5 = 1 160 PSI)

Working temperature: -20 to 80 °C



LEGEND

TOPRING S08 100% aluminum pipes and fittings

Aluminum pipes and plastic fittings

GOOD TO KNOW

TOPRING S08 100% aluminum pipes and fittings from 16 to 160 mm allow the system to operate at a maximum pressure of 232 PSI at temperatures between -20 to 80°C. Systems using aluminum piping and plastic or plastic/aluminum fittings are limited to a maximum pressure of 145 PSI or less at temperatures of -20 to 60 ° C.

Vacuum level

-28.94 in Hg / -0.98 BAR

Environment

- The pipes and fittings material are 100% recyclable
- All pipes and fittings are guaranteed silicone free

Applications

- Compressed air • Vacuum • Inert gases (nitrogen, CO_2, argon, etc.)

Resistance to

- Corrosion
- Harsh environments
- Mechanical shock
- Thermal variations
- Mineral and synthetic oils for compressors
- Ultraviolet

WARRANTY

The **TOPRING** S08 products are warranted to be free of defects in material and workmanship for a period of ten (10) years from the date which the client-user was invoiced by the Distributor.

For more details, visit **TOPRING**.com / Return and Warranty



INSTRUCTIONAL VIDEO



Watch **TOPRING** S08 compressed air piping system videos: https://bit.ly/en-s08-catalogue

PRODUCT SAMPLE KITS



PRESENTATION CASE WITH PRODUCTS

Product No	Description
97.194	S08 poduct samples in a rigid case with 16 to 80 mm diameters pipes and fittings



PIPE AND FITTING SAMPLE IN A PLASTIC CASE

Product No	Description
97.191	Pipe and fitting samples in a rigid plastic tube



3D BOARDS WITH PRODUCTS

Product No	Description
96.908.05	French version 24 x 32 in
96.908.06	English version 24 x 32 in

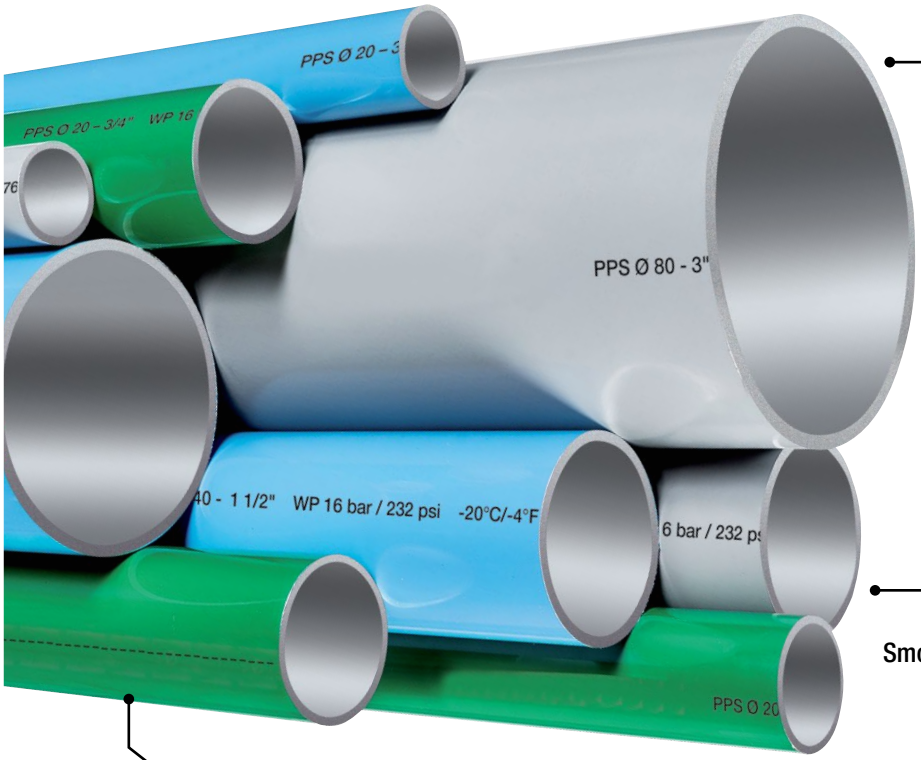
Rigid 1/2 in thick board with real pipes and components demonstrating the features and benefits of **TOPRING** S08 compressed air piping system

ALUMINUM PIPING

SIMPLIFIED INSTALLATION
Simple assembly method for all pipe diameters
Easy to cut and chamfer

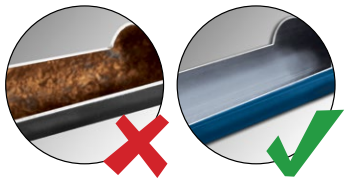
LIGHTWEIGHT
Easy to handle and assemble

TUBE COLORS
Available in blue, green and gray color for fluid identification

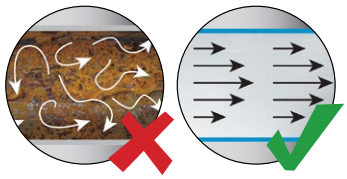


UV AND HEAT RESISTANT
Low expansion coefficient

CORROSION RESISTANT
Extruded aluminum alloy with internal and external titanium treatment prevents rust formation

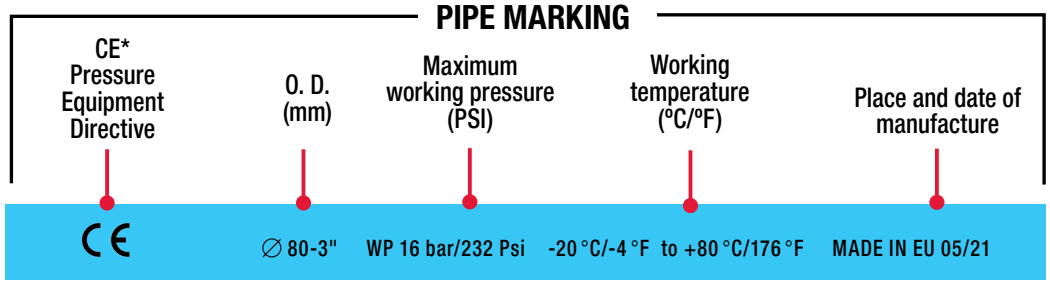


VERY LOW PRESSURE LOSS
Smooth internal surface prevents air turbulence



Dashed line to facilitate installation

PIPE MARKING



* Marking on 80 to 160 mm tubes

ALUMINUM PIPING

AVAILABLE OUTSIDE DIAMETERS AND TUBE LENGTHS

Outside pipe diameter (mm)	Pipe Length	
	m	ft
16	4	13
20-25-32	4	13
	5.5	18
40-50-63-80-100-160	5.5	18

Materials

Pipe: EN AW 6060 T6 anodized aluminum alloy extrusion

Coating: Titanium treatment with electrostatic paint

Specifications

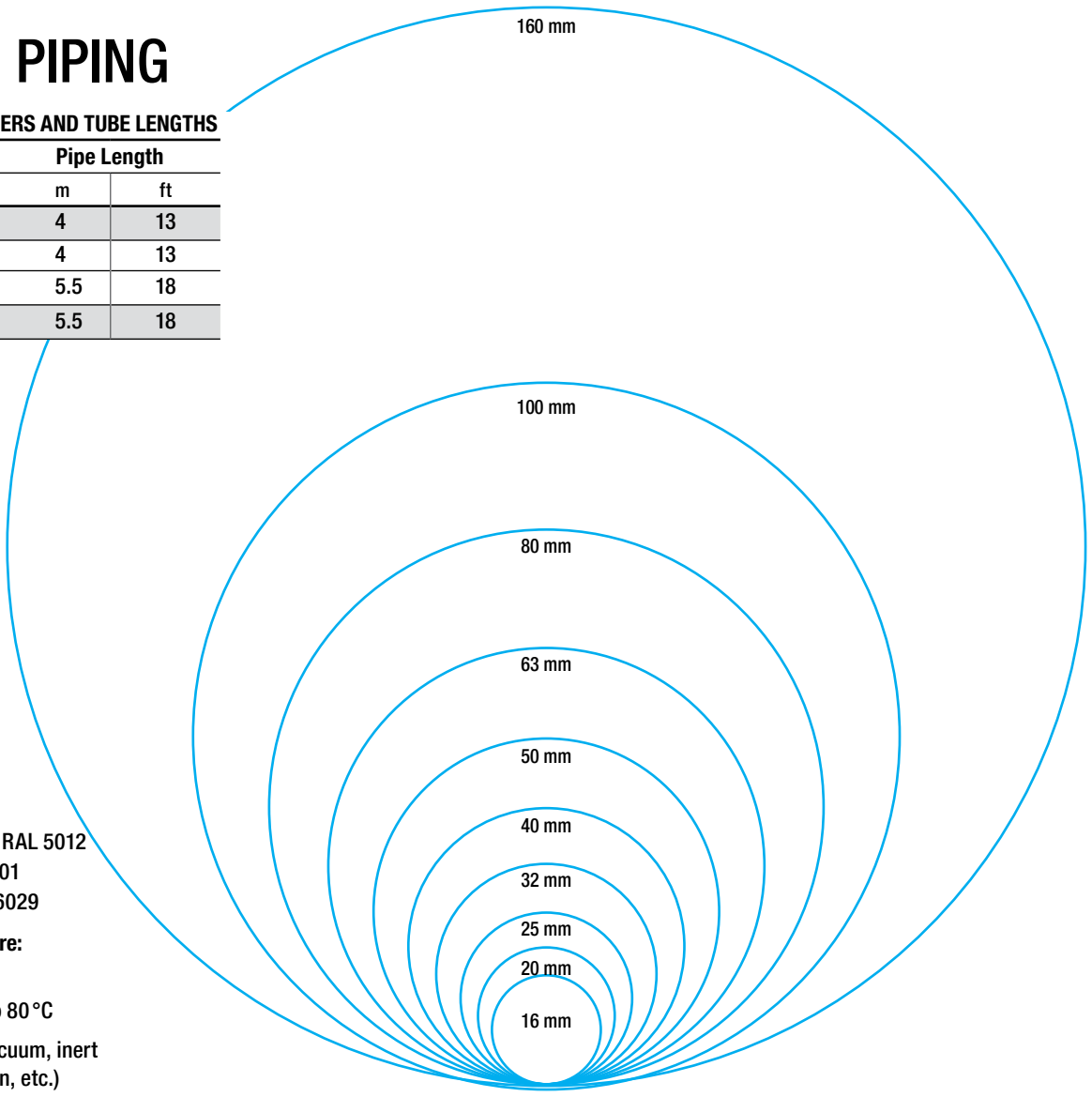
Extrusion quality:
- Non-welded extrusion manufacturing process
- Calibrated pipe

Color:
- Blue – Compressed air – RAL 5012
- Grey – Vacuum – RAL 7001
- Green – Nitrogen – RAL 6029

Maximum Working Pressure: 232 PSI (16 BAR)

Temperature Range: -20 to 80 °C

Fluids: Compressed air, vacuum, inert gases (nitrogen, CO_2, argon, etc.)



ACTUAL DIAMETERS OF PIPES

Pipe packaging fully recyclable

Our team of engineers has implemented a packaging method that is fully recyclable.

Eco-responsibility, waste reduction and local sourcing are part of our approach in this innovation process.



Strength tested and approved
Locally sourced packaging material
25% reduction in packaging weight
Reduced weight = reduced transport cost

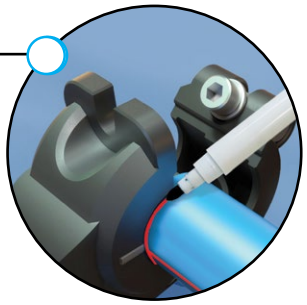
TAKE-OFF DROP COUPLINGS

The take-off drop couplings are used to install drop legs to supply workstations on new or existing compressed air systems. They also prevent water infiltration.

UNIQUE FULL FLOW DIAMETER
For an optimized flow rate

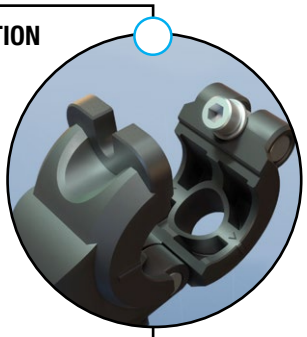
COMPACT
Body and nut entirely made from aluminum

VISUAL MARK
Engraved mark on drop coupling for pipe marking to help reposition the drop coupling to its original position on the pipe





V-SHAPE ANTI-ROTATION SYSTEM
Textured v-shaped marking integrated directly into the drop coupling prevents the rotation of the pipe during drilling operations

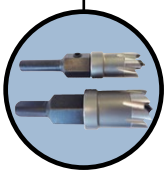


CONDENSATE MANAGEMENT
Accumulated water in the lower section of the main pipe will be drained at a low point by an automatic drain



OPTIMIZED ALIGNMENT
Integrated alignment guide to facilitate drilling operations

PROPRIETARY DRILLING TOOLS
With a stop bumper to prevent accidental perforation of the pipe



Watch **TOPRING** compressed air piping system videos:
https://bit.ly/en-s08-catalogue

FITTINGS | 16 to 80 mm - 1/2 to 3 in

Using an innovative single assembly method, the **TOPRING** 08 fittings are entirely made of aluminum and are offered in a large range of diameters and configurations from 16 to 80 mm (1/2 to 3 inches).

TWO-PIECE FITTING
Aluminum body and nut



LEAKPROOF CONNECTION
Lubricated double lobe PTFE coated blue seal

Perfectly leaktight even under the hardest conditions



HIGH-PERFORMANCE INTERNAL GRIP DESIGN
Stainless steel ring with gripping teeth for increased grip, strength and safety. Internal components are securely maintained inside the fitting. It is a great advantage, especially during installation, because it prevents the components from falling in pieces and eliminates reassembly errors



PRODUCT IDENTIFICATION

DIAMETER / THREAD
Pipe external diameter mm and inches

Threaded fitting NPT size inches



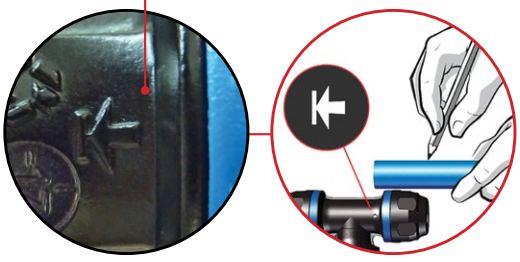
PRESSURE
Maximum working pressure (BAR/PSI)



TRACEABILITY
Year of manufacturing



REFERENCE MARK
Reference mark on the fitting for pipe marking for proper insertion



FITTINGS | 100 and 160 mm - 4 and 6 in

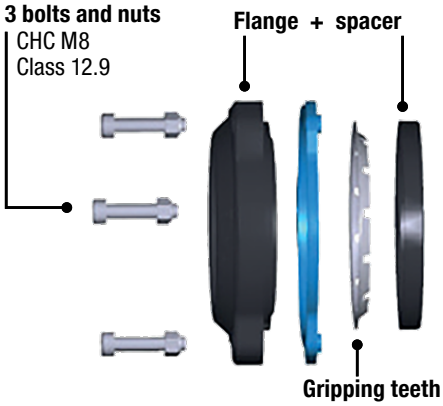
TOPRING S08 100 and 160 mm (4 and 6 in) fittings are base d on 3 main principles: tight connections, ease of installation and great modularity of the system.

FITTING

Aluminum body



INTERNAL GRIP DESIGN*



* 160mm fittings include 4 nuts

Materials

Body and Nut: 100% aluminum, EN AB 46100

Gripping Teeth: Stainless steel

Double Lobe Seal: NBR with PTFE coating

Specifications

Maximum Working Pressure: 191 PSI (13 BAR)

Vacuum Level: -28.94 in Hg / -0.98 BAR

Working Temperature: -20 to 80 °C

PRODUCT IDENTIFICATION

DIAMETER

Pipe external diameter mm and inches

TRACEABILITY

Year of manufacturing

REFERENCE MARK

Reference mark on the fitting for pipe marking for proper insertion





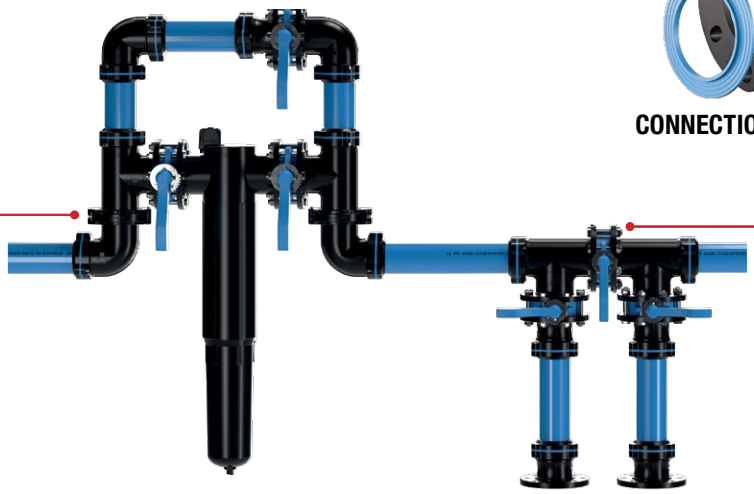
COMPACT CONNECTION FITTINGS | 50 to 160 mm - 2 to 6 po

TOPRING S08 fittings with compact connection have been developed particularly for pipe connection in the compressor room.

The possibilities of modularity are particularly interesting when creating a by-pass



CONNECTION WITH COLLAR





CONNECTION WITH FLANGE

CONNECTION WITH COLLAR



- Allows fittings to be connected quickly using a collar to avoid cutting a pipe or installing a drop coupling
- Designed to facilitate installation and avoid assembly errors

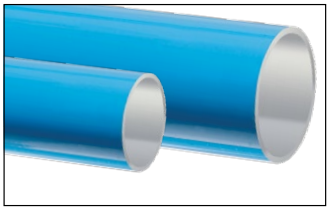
CONNECTION WITH FLANGE



- Universal flange ASME - DIN
- Ideal for connecting to an existing compressor, dryer or network, using the universal ANSI flange

PIPES

BLUE ALUMINUM TUBE FOR COMPRESSED AIR



Product No	Pipe diameter		Length	
	mm	in	m	ft
08.101	16	1/2	4	13.12
08.103	20	3/4	4	13.12
08.102	20	3/4	5.5	18.04
08.105	25	1	4	13.12
08.104	25	1	5.5	18.04
08.107	32	1-1/4	4	13.12
08.106	32	1-1/4	5.5	18.04
08.108	40	1-1/2	5.5	18.04
08.110	50	2	5.5	18.04
08.112	63	2-1/2	5.5	18.04
08.114	80	3	5.5	18.04
08.116	100	4	5.5	18.04
08.118	160	6	5.5	18.04

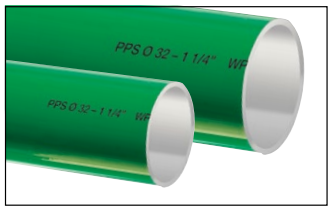
GREY ALUMINUM TUBE FOR VACUUM APPLICATION



Product No	Pipe diameter		Length	
	mm	in	m	ft
08.901	16	1/2	4	13.12
08.902*	20	3/4	5.5	18.04
08.904	25	1	5.5	18.04
08.906*	32	1-1/4	5.5	18.04
08.908	40	1-1/2	5.5	18.04
08.910*	50	2	5.5	18.04
08.912*	63	2-1/2	5.5	18.04
08.914*	80	3	5.5	18.04
08.916*	100	4	5.5	18.04
08.918.12*	160	6	5.5	18.04

*** On request only**
Certain conditions apply

GREEN ALUMINUM TUBE FOR NITROGEN APPLICATION

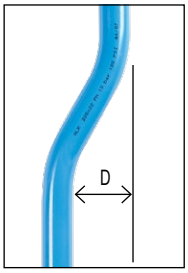


Product No	Pipe diameter		Length	
	mm	in	m	ft
08.122	20	3/4	5.5	18.04
08.124	25	1	5.5	18.04
08.127*	50	2	5.5	18.04

*** On request only**
Certain conditions apply

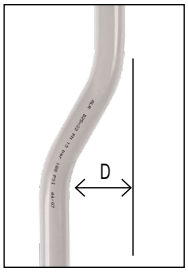
DEVIATION PIPE

BLUE ALUMINUM DEVIATION PIPE



Product No	D		Pipe diameter		Length	
	mm	in	mm	in	cm	in
08.130	70	2.75	16	1/2	48	18.9
08.133			20	3/4		
08.136			25	1		

GREY ALUMINUM DEVIATION PIPE



Product No	D		Pipe diameter		Length	
	mm	in	mm	in	cm	in
08.930*	70	2.75	16	1/2	48	18.9
08.933*			20	3/4		
08.936*			25	1		

*** On request only**
Certain conditions apply

TECH TIP

- Ideal to bypass obstacles and correct minor alignment problems
- Often used to offset Ball Vlavedrop legs closer to the mounting surface



TAKE-OFF DROP COUPLINGS

DROP COUPLING WITHOUT FITTING



Product No	Main pipe diameter		Thread (F) NPT
	mm	in	
08.020	25	1	3/8
08.021	25	1	1/2
08.024	32	1-1/4	1/2
08.025	32	1-1/4	3/4
08.028	40	1-1/2	1/2
08.029	40	1-1/2	3/4
08.030	40	1-1/2	1
08.033	50	2	1/2
08.034	50	2	3/4
08.035	50	2	1
08.038	63	2-1/2	1/2
08.039	63	2-1/2	3/4
08.040	63	2-1/2	1
08.043	80	3	1/2
08.044	80	3	3/4
08.045	80	3	1

DROP COUPLING WITH FITTING

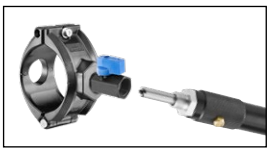


Product No	Main pipe diameter		Drop leg pipe diameter	
	mm	in	mm	in
08.060	25	1	16	1/2
08.061	25	1	20	3/4
08.064	32	1-1/4	16	1/2
08.065	32	1-1/4	20	3/4
08.068	40	1-1/2	16	1/2
08.069	40	1-1/2	20	3/4
08.070	40	1-1/2	25	1
08.073	50	2	16	1/2
08.074	50	2	20	3/4
08.075	50	2	25	1
08.078	63	2-1/2	20	3/4
08.079	63	2-1/2	25	1
08.080	63	2-1/2	32	1-1/4
08.083	80	3	20	3/4
08.084	80	3	25	1
08.085	80	3	32	1-1/4

STRAIGHT DROP COUPLING



A male-female threaded ball valve 08.399 can be installed on straight couplings with 1/2 (F) thread to perform pressure drilling with the drilling tool 08.596



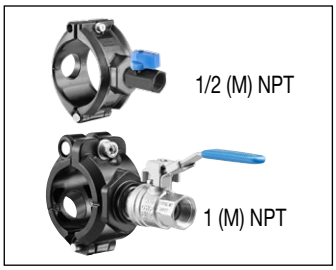
Product No	Main pipe diameter		Thread (F) NPT
	mm	in	
08.710	25	1	1/2
08.711*	25	1	3/4
08.713	32	1-1/4	1/2
08.714*	32	1-1/4	3/4
08.716	40	1-1/2	1/2
08.717*	40	1-1/2	3/4
08.718	40	1-1/2	1
08.720	50	2	1/2
08.721	50	2	3/4
08.722	50	2	1
08.724	63	2-1/2	1/2
08.725*	63	2-1/2	3/4
08.726	63	2-1/2	1
08.727*	63	2-1/2	1-1/4
08.729	80	3	1/2
08.730	80	3	3/4
08.731	80	3	1
08.732*	80	3	1-1/4
08.734	100	4	3/4
08.735	100	4	1
08.736	100	4	1-1/4
08.737	160	6	1
08.738	160	6	2
08.739	160	6	3

* On request only

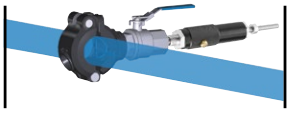


Product No	Main pipe diameter		Drop leg pipe diameter	
	mm	in	mm	in
08.086	100	4	25	1
08.087	100	4	32	1-1/4

DROP COUPLING FOR PRESSURIZED DRILLING

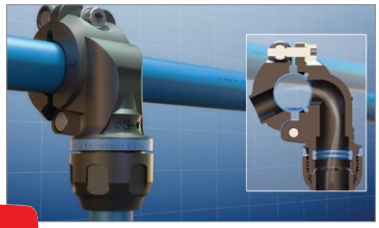


Ideal for quickly creating a new take-off drop without cutting off the compressed air supply to the network. The drilling tool easily fits on any standard drill.



Product No	Main pipe diameter		Thread (F) NPT
	mm	in	
08.710.01	25	1	1/2
08.713.01	32	1-1/4	1/2
08.716.01*	40	1-1/2	1/2
08.718.01*	40	1-1/2	1
08.720.01	50	2	1/2
08.722.01*	50	2	1
08.724.01*	63	2-1/2	1/2
08.726.01*	63	2-1/2	1
08.729.01*	80	3	1/2
08.731.01	80	3	1
08.733.01*	100	4	1/2
08.735.01*	100	4	1

* On request only







Watch **TOPRING** S08 compressed air piping system videos: https://bit.ly/en-s08-catalogue

UNIONS AND ELBOW UNIONS

STRAIGHT UNION



Product No	Pipe diameter mm	Pipe diameter in
08.290	16	1/2
08.291	20	3/4
08.292	25	1
08.293	32	1-1/4
08.294	40	1-1/2
08.295	50	2
08.296	63	2-1/2
08.297	80	3



Product No	Pipe diameter mm	Pipe diameter in
08.298	100	4
08.299	160	6

90º ELBOW UNION



Product No	Pipe diameter mm	Pipe diameter in
08.150	16	1/2
08.151	20	3/4
08.152	25	1
08.153	32	1-1/4
08.154	40	1-1/2
08.155	50	2
08.156	63	2-1/2
08.157	80	3

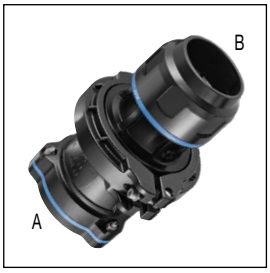


Product No	Pipe diameter mm	Pipe diameter in
08.158	100	4

REDUCING UNION



Product No	Pipe diameter A mm	Pipe diameter A in	Pipe diameter B mm	Pipe diameter B in
08.310	25	1	20	3/4
08.313	32	1-1/4	25	1
08.317	40	1-1/2	32	1-1/4
08.320	50	2	40	1-1/2
08.323	63	2-1/2	50	2
08.326	80	3	63	2-1/2



Product No	Pipe diameter A mm	Pipe diameter A in	Pipe diameter B mm	Pipe diameter B in
08.329	100	4	80	3
08.328	160	6	100	4

Installation for the 08.328 requires a flange or a collar on the reducer side (B)

SLIDING UNION



Product No	Pipe diameter mm	Pipe diameter in
08.302	25	1
08.303	32	1-1/4
08.304	40	1-1/2
08.305	50	2
08.306	63	2-1/2
08.307	80	3



Product No	Pipe diameter mm	Pipe diameter in
08.308	100	4
08.309	160	6

The union slides along its entire length and slides back to connect to the other pipe on an existing closed network

90º MALE THREADED ELBOW



Product No	Pipe diameter mm	Pipe diameter in	Thread (M) NPT
08.160	16	1/2	3/8
08.161	16	1/2	1/2
08.164	20	3/4	1/2
08.167	25	1	1/2
08.168	25	1	3/4
08.169	32	1-1/4	1
08.172	40	1-1/2	1-1/4
08.173	40	1-1/2	1-1/2

45º ELBOW UNION



Product No	Pipe diameter mm	Pipe diameter in
08.190	16	1/2
08.191	20	3/4
08.192	25	1
08.193	32	1-1/4
08.194	40	1-1/2

TEES

EQUAL TEE

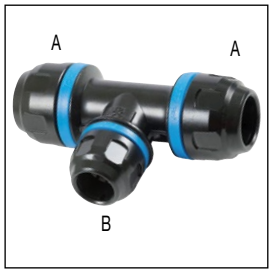


Product No	Pipe diameter	
	mm	in
08.330	16	1/2
08.331	20	3/4
08.332	25	1
08.333	32	1-1/4
08.334	40	1-1/2
08.335	50	2
08.336	63	2-1/2
08.337	80	3



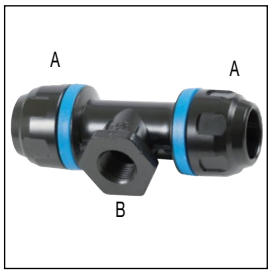
Product No	Pipe diameter	
	mm	in
08.338	100	4

REDUCING TEE

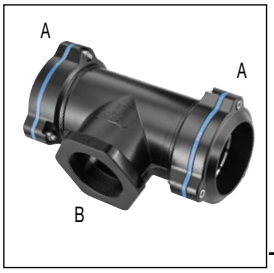


Product No	Pipe diameter A		Pipe diameter B	
	mm	in	mm	in
08.380	20	3/4	16	1/2
08.381	25	1	16	1/2
08.382	25	1	20	3/4
08.383	32	1-1/4	16	1/2
08.384	32	1-1/4	20	3/4
08.385	32	1-1/4	25	1

FEMALE THREADED REDUCING TEE

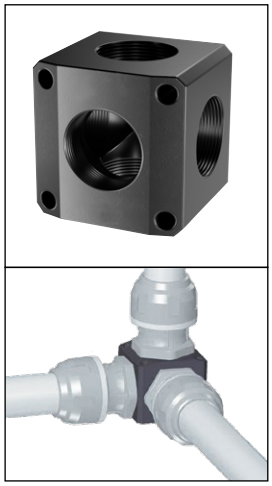


Product No	Pipe diameter A		Thread B (F) NPT
	mm	in	
08.340	16	1/2	3/8
08.343	20	3/4	1/2
08.346	25	1	1/2
08.347	25	1	3/4
08.350	32	1-1/4	3/4
08.351	32	1-1/4	1
08.354	40	1-1/2	3/4
08.355	40	1-1/2	1
08.356	40	1-1/2	1-1/4
08.359	50	2	1
08.360	50	2	1-1/4
08.361	50	2	1-1/2
08.364	63	2-1/2	1
08.365	63	2-1/2	1-1/4
08.366	63	2-1/2	1-1/2
08.367	63	2-1/2	2
08.370	80	3	1
08.371	80	3	1-1/2
08.372	80	3	2
08.373	80	3	2-1/2



Product No	Pipe diameter A		Thread B (F) NPT
	mm	in	
08.378	100	4	3

CROSS FITTING



No de produit	Thread (F) NPT
08.986	1/2
08.988	1
08.990	1-1/2

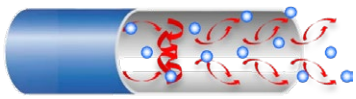
THREADED CAP FOR CROSS FITTING



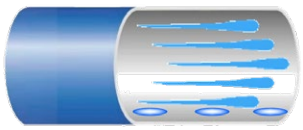
Product No	Thread (M) NPT
08.992	1/2
08.994	1
08.996	1-1/2

GOOD TO KNOW

The main network of a compressed air system must be properly configured in order to efficiently distribute compressed air throughout the network to the points of use. A section with diameter a too small will generate air friction and acceleration resulting in pressure drop and disruption of the so-called "turbulent" flow, thus promoting the distribution of condensate throughout the network.

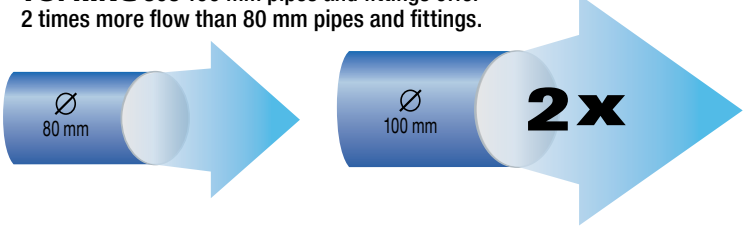


Turbulence promotes the distribution of condensate throughout the system



Condensate remains stable at the base of the pipe

TOPRING S08 100 mm pipes and fittings offer 2 times more flow than 80 mm pipes and fittings.



THREADED FITTINGS

MALE THREADED CONNECTOR



Product No	Pipe diameter mm	Pipe diameter in	Thread (M) NPT
08.200	16	1/2	3/8
08.201	16	1/2	1/2
08.204	20	3/4	1/2
08.205	20	3/4	3/4
08.208	25	1	1/2
08.209	25	1	3/4
08.210	25	1	1
08.213	32	1-1/4	1
08.214	32	1-1/4	1-1/4
08.217	40	1-1/2	1-1/4
08.218	40	1-1/2	1-1/2
08.221	50	2	1-1/2
08.222	50	2	2
08.225	63	2-1/2	2
08.226	63	2-1/2	2-1/2
08.229	80	3	2-1/2
08.230	80	3	3

FEMALE THREADED CONNECTOR



Product No	Pipe diameter mm	Pipe diameter in	Thread (F) NPT
08.240	16	1/2	3/8
08.241	16	1/2	1/2
08.244	20	3/4	1/2
08.245	20	3/4	3/4
08.248	25	1	1/2
08.249	25	1	3/4
08.250	25	1	1
08.253	32	1-1/4	1
08.254	32	1-1/4	1-1/4
08.257	40	1-1/2	1-1/4
08.258	40	1-1/2	1-1/2
08.259	50	2	1-1/2
08.262	50	2	2
08.265	63	2-1/2	2
08.266	63	2-1/2	2-1/2
08.269	80	3	2-1/2
08.270	80	3	3



Product No	Pipe diameter mm	Pipe diameter in	Thread (F) NPT
08.274	100	4	2
08.275	100	4	3
08.277	160	6	2
08.279	160	6	3

EXPANSION CONNECTOR



Product No	Pipe diameter mm	Pipe diameter in
08.146	63	2-1/2
08.147	80	3

NOTE: Not registered under the Canadian Registration Number (CRN)



Product No	Pipe diameter mm	Pipe diameter in
08.148	100	4

NOTE: Not registered under the Canadian Registration Number (CRN) Available on request only

END CAP



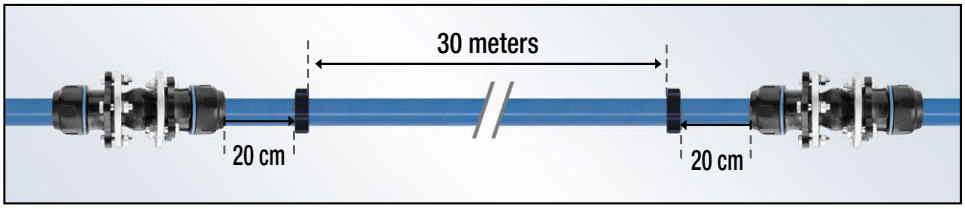
Product No	Pipe diameter mm	Pipe diameter in
08.280	16	1/2
08.281	20	3/4
08.282	25	1
08.283	32	1-1/4
08.284	40	1-1/2
08.285	50	2
08.286	63	2-1/2
08.287	80	3



Product No	Pipe diameter mm	Pipe diameter in
08.288	100	4
08.289	160	6

TECH TIP

It is strongly recommended to install an expansion connector every 30 meters of pipes. For all the details, see S08 Design Guide on **TOPRING**.com



REPLACEMENT PARTS

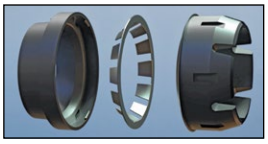
COMPRESSION NUT



Product No	Pipe diameter	
	mm	in
08.760	16	1/2
08.761	20	3/4
08.762	25	1
08.763	32	1-1/4
08.764	40	1-1/2
08.765	50	2
08.766	63	2-1/2
08.767	80	3

INTERNAL PARTS KIT



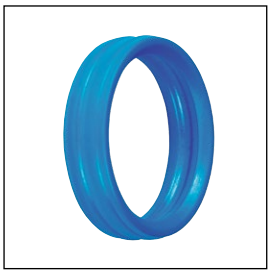


Product No	Pipe diameter	
	mm	in
08.780	16	1/2
08.781	20	3/4
08.782	25	1
08.783	32	1-1/4
08.784	40	1-1/2
08.785	50	2
08.786	63	2-1/2
08.787	80	3



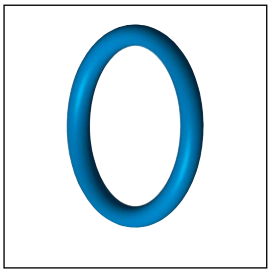
Product No	Pipe diameter	
	mm	in
08.788	100	4

DOUBLE LOBE SEAL (NBR)



Product No	Pipe diameter		Unit per package
	mm	in	
08.770	16	1/2	10
08.771	20	3/4	10
08.772	25	1	10
08.773	32	1-1/4	10
08.774	40	1-1/2	5
08.775	50	2	5
08.776	63	2-1/2	2
08.777	80	3	2
08.778	100	4	2
08.779	160	6	1

DROP COUPLING SEAL (NBR)



Product No	Pipe diameter		Unit per package
	mm	in	
08.742	25	1	10
08.743	32	1-1/4	10
08.744	40	1-1/2	10
08.745	50	2	10
08.746	63	2-1/2	10
08.747	80	3	10
08.748	100	4	10

SEAL (FKM)



Product No	Pipe diameter		Unit per package
	mm	in	
08.750*	16	1/2	10
08.751*	20	3/4	10
08.752*	25	1	10
08.753*	32	1-1/4	10
08.754*	40	1-1/2	5
08.755*	50	2	5
08.756*	63	2-1/2	2
08.757*	80	3	2
08.758*	100	4	2
08.759*	160	6	1

*** On request only**
Certain conditions apply

- High resistance to chemical substances
- Mainly requested in the compressor room

COMPACT CONNECTION FITTINGS | 50 to 160 mm - 2 to 6 in

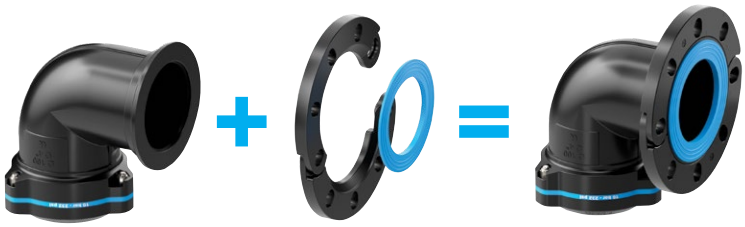
TOPRING S08 compact connection fittings:

- Connecting one to another for any configuration needed
- Space saver
- Ideal layout of piping system for compressor rooms

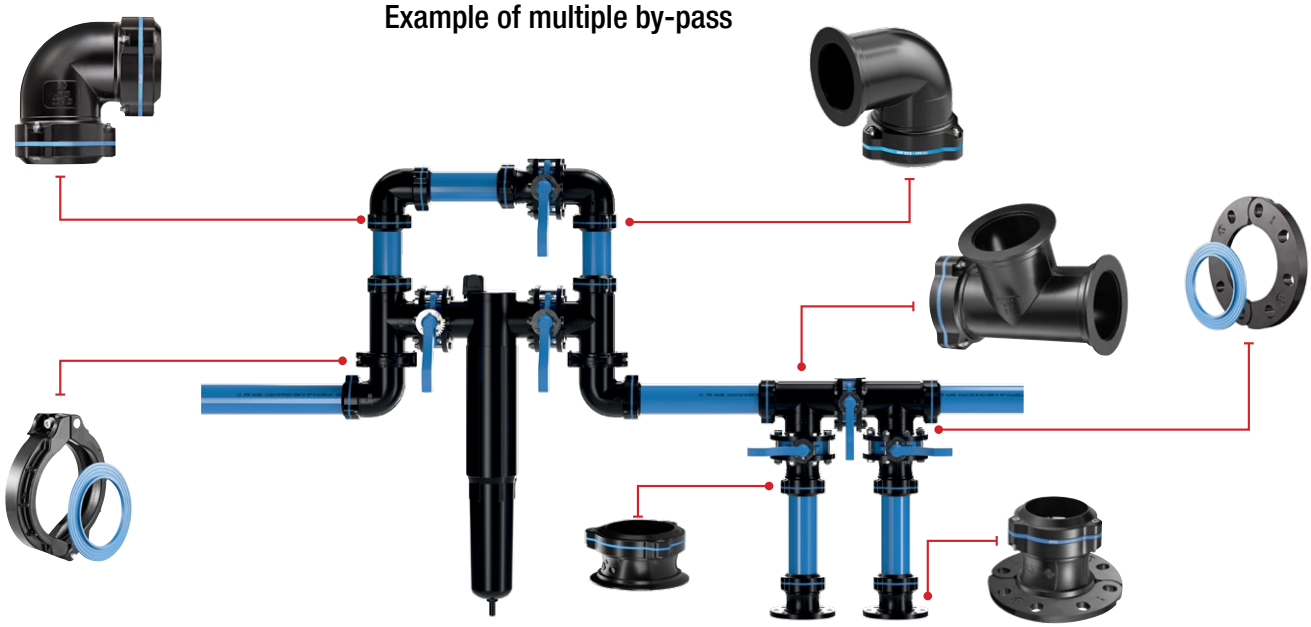
CONNECTION WITH COLLAR



CONNECTION WITH FLANGE



Example of multiple by-pass



COMPACT CONNECTION FITTINGS | 50 to 160 MM - 2 to 6 IN

90° ELBOW UNION



Product No	Pipe diameter	
	mm	in
08.940.06	50	2
08.940.07	63	2-1/2
08.940.08	80	3
08.940.09	100	4

90° ELBOW UNION



Product No	Pipe diameter	
	mm	in
08.939.06*	50	2
08.939.07*	63	2-1/2
08.939.08*	80	3
08.939.09*	100	4
08.939.10	160	6

45° ELBOW UNION



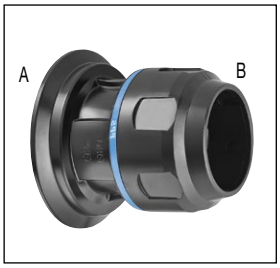
Product No	Pipe diameter	
	mm	in
08.938.06	50	2
08.938.07	63	2-1/2
08.938.08	80	3
08.938.09	100	4
08.938.10	160	6

UNION



Product No	Pipe diameter	
	mm	in
08.943.06	50	2
08.943.07	63	2-1/2
08.943.08	80	3
08.943.09	100	4
08.943.10	160	6

REDUCING UNION



Product No	Pipe A		Pipe B	
	mm	in	mm	in
08.946	63	2-1/2	50	2
08.945	80	3	63	2-1/2
08.944	100	4	80	3

TEE UNION



Product No	Pipe diameter	
	mm	in
08.941.06	50	2
08.941.07	63	2-1/2
08.941.08	80	3
08.941.09	100	4



Product No	Pipe diameter	
	mm	in
08.942.09	100	4

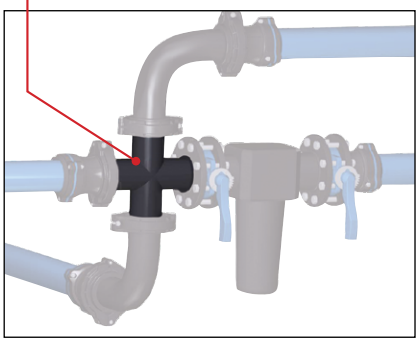


Product No	Pipe diameter	
	mm	in
08.949.06	50	2
08.949.07	63	2-1/2
08.949.08	80	3
08.949.09	100	4
08.949.10	160	6

CROSS UNION



Product No	Pipe diameter	
	mm	in
08.960.06	50	2
08.960.07	63	2-1/2
08.960.08	80	3
08.960.09	100	4
08.960.10	160	6



COMPACT CONNECTION ACCESSORIES | 50 to 160 mm - 2 to 6 in

COLLAR



No de produit	Tube	
	mm	po
08.947.06	50	2
08.947.07	63	2-1/2
08.947.08	80	3
08.947.09	100	4
08.947.10	160	6

FLANGE



Product No	Pipe diameter		Number of bolts required (short or long)*
	mm	in	
08.948.06	50	2	4
08.948.07	63	2-1/2	
08.948.08	80	3	
08.948.09	100	4	8
08.948.10	160	6	

* Bolts are not included
Order the quantities and length of bolts required according to the type of assembly

Opposite: examples of assembly with short bolt and long bolt

REDUCER



Product No	Pipe diameter		Thread (F) NPT
	mm	in	
08.951.06	50	2	1
08.952.06	50	2	1-1/2
08.951.07	63	2-1/2	1-1/2
08.952.07	63	2-1/2	2
08.951.08	80	3	2
08.952.08	80	3	2-1/2
08.951.09	100	4	2
08.952.09	100	4	3
08.951.10	160	6	2
08.952.10	160	6	3



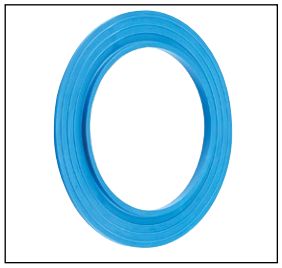
Product No	Pipe diameter		Thread (M) NPT
	mm	in	
08.959.06	50	2	1-1/4
08.950.06	50	2	1-1/2
08.959.07	63	2-1/2	1-1/2
08.950.07	63	2-1/2	2
08.959.08	80	3	2
08.950.08	80	3	2-1/2

CAP



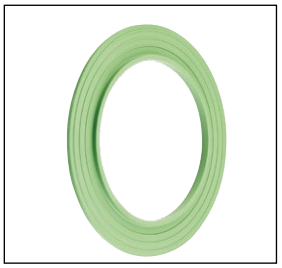
Product No	Pipe diameter	
	mm	in
08.953.09	100	4
08.953.10	160	6

NBR SEAL



Product No	Pipe diameter	
	mm	in
08.954.06	50	2
08.954.07	63	2-1/2
08.954.08	80	3
08.954.09	100	4
08.954.10	160	6

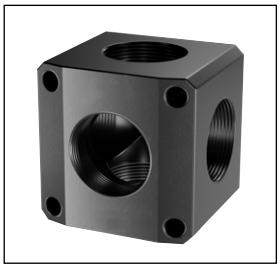
FKM SEAL



Product No	Pipe diameter	
	mm	in
08.955.06	50	2
08.955.07	63	2-1/2
08.955.08	80	3
08.955.09	100	4
08.955.10	160	6

- High resistance to chemicals
- Mainly requested in the compressor room

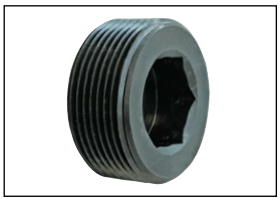
CROSS FITTING



No de produit	Thread (F) NPT
08.986	1/2
08.988	1
08.990	1-1/2

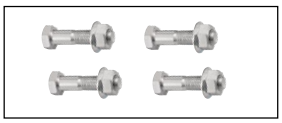


THREADED CAP FOR CROSS FITTING



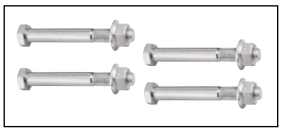
Product No	Thread (M) NPT
08.992	1/2
08.994	1
08.996	1-1/2

SHORT BOLT



Product No	Thread	Length (mm)	Quantity
08.957	M16	65	4

LONG BOLT



Product No	Thread	Length (mm)	Quantity
08.958	M16	120	4

COMPACT CONNECTION ACCESSORIES | 50 to 160 mm - 2 to 6 in

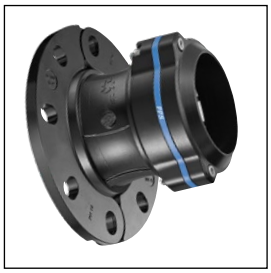
STRAIGHT FITTING



Product No	Pipe diameter	
	mm	in
08.395	63	2-1/2
08.396	80	3

* Bolts are not included.
4 bolts required

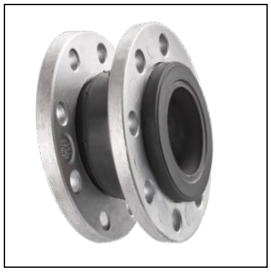
STRAIGHT FITTING WITH FLANGE



Product No	Pipe diameter		Number of bolts required (short or long)*
	mm	in	
08.397.06	50	2	4
08.397.07	63	2-1/2	
08.397.08	80	3	
08.397.09	100	4	8
08.397.10	160	6	

* Bolts are not included.
Order the quantities and length of bolts required according to the type of assembly

EXPANSION JOINT PART



Product No	Pipe diameter	
	mm	in
08.963.06	50	2
08.963.07	63	2-1/2
08.963.08	80	3
08.963.09	100	4
08.963.10	160	6

NOTE: Not registered under the Canadian Registration Number (CRN)

VALVE BODY



Product No	Pipe diameter	
	mm	in
08.961.07	63	2-1/2
08.961.08	80	3



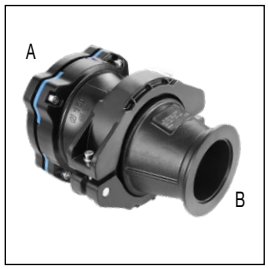
Product No	Pipe diameter	
	mm	in
08.962.07	63	2-1/2
08.962.08	80	3
08.962.09	100	4

ALUMINUM ADAPTER



Product No	Pipe diameter	
	mm	in
08.964	160	6

REDUCER



Product Not	Tube A		Tube B	
	mm	in	mm	in
08.328	160	6	100	4

INSTANT TRAINING

Learn how to optimally plan a compressed air network.

This 20-minute training presents the important elements to consider when designing a network.



Watch **TOPRING** compressed air piping system videos:
https://bit.ly/en-s08-catalogue

BALL VALVES



CRN CANADIAN REGISTRATION NUMBER

Product No	Pipe diameter mm	Pipe diameter in
08.420	16	1/2
08.421	20	3/4
08.422	25	1
08.423	32	1-1/4
08.424	40	1-1/2
08.425	50	2



Product No	Pipe diameter mm	Pipe diameter in
08.426.02	63	2-1/2
08.427.02	80	3
08.428.02	100	4

LOCKOUT BALL VALVE

SAFETY SÉCURITÉ — LOCKABLE CADENASSABLE

CRN CANADIAN REGISTRATION NUMBER



Product No	Pipe diameter mm	Pipe diameter in
08.420.01	16	1/2
08.421.01	20	3/4
08.422.01	25	1
08.423.01	32	1-1/4
08.424.01	40	1-1/2
08.425.01	50	2



Product No	Pipe diameter mm	Pipe diameter in
08.426.03	63	2-1/2

BUTTERFLY BALL VALVE



Product No	Pipe diameter mm	Pipe diameter in
08.429	160	6

MALE THREADED BALL VALVE



CRN CANADIAN REGISTRATION NUMBER

Product No	Pipe diameter mm	Pipe diameter in	Thread (M) NPT
08.410	16	1/2	1/2
08.411	20	3/4	1/2
08.412	25	1	3/4
08.413	32	1-1/4	1
08.414	40	1-1/2	1-1/4
08.415	50	2	1-1/2

LOCK ASSEMBLY FOR BALL VALVES

SAFETY SÉCURITÉ — LOCKABLE CADENASSABLE

CRN CANADIAN REGISTRATION NUMBER



Product No	Pipe diameter mm	Pipe diameter in	Thread (M) NPT
08.410.01	16	1/2	1/2
08.411.01	20	3/4	1/2
08.412.01	25	1	3/4
08.413.01	32	1-1/4	1
08.414.01	40	1-1/2	1-1/4
08.415.01	50	2	1-1/2

LOCKOUT SAFETY EXHAUST VALVE

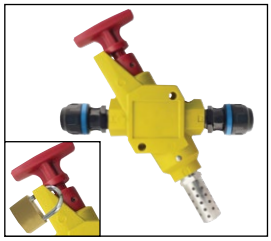
SAFETY SÉCURITÉ — LOCKABLE CADENASSABLE

LOCKOUT SAFETY EXHAUST BALL VALVE



Product No	Pipe diameter mm	Pipe diameter in
08.431	20	3/4
08.432	25	1
08.433	32	1-1/4

LOCKOUT HIGH FLOW SAFETY EXHAUST VALVE



Product No	Pipe diameter mm	Pipe diameter in
08.440	16	1/2
08.441	20	3/4
08.442	25	1

CRN CANADIAN REGISTRATION NUMBER

Product No	Pipe diameter mm	Pipe diameter in
08.445	16	1/2
08.446	20	3/4
08.447	25	1

FEMALE THREADED BALL VALVE



CRN CANADIAN REGISTRATION NUMBER

Product No	Pipe diameter		Thread (F) NPT
	mm	in	
08.400	16	1/2	1/2
08.401	20	3/4	1/2
08.402	25	1	3/4
08.403	32	1-1/4	1
08.404	40	1-1/2	1-1/4
08.405	50	2	1-1/2



Product No	Pipe diameter		Thread (F) NPT
	mm	in	
08.406	63	2-1/2	2



Product No	Pipe diameter		Thread (F) NPT
	mm	in	
08.407	80	3	2-1/2

LOCKOUT BALL VALVE

SAFETY SÉCURITÉ — LOCKABLE CADENASSABLE

CRN CANADIAN REGISTRATION NUMBER



Product No	Pipe diameter		Thread (F) NPT
	mm	in	
08.400.01	16	1/2	1/2
08.401.01	20	3/4	1/2
08.402.01	25	1	3/4
08.403.01	32	1-1/4	1
08.404.01	40	1-1/2	1-1/4
08.405.01	50	2	1-1/2



Product No	Pipe diameter		Thread (F) NPT
	mm	in	
08.406.01	63	2-1/2	2

MALE-FEMALE THREADED BALL VALVE



CRN CANADIAN REGISTRATION NUMBER

Product No	Thread NPT	
	Inlet (M)	Outlet (F)
08.399	1/2	1/2

Can be installed on 1/2 (F) threaded straight drop coupling to perform pressure drilling with the drilling tool 08.596

LOCK ASSEMBLIES FOR BALL VALVES

SAFETY SÉCURITÉ — LOCKABLE CADENASSABLE

- Ensure safety during maintenance operations
- Ideal for isolating parts of the compressed air piping system
- Padlock included





Product No	Pipe diameter	
	mm	in
08.491	16 • 20 • 25	1/2 • 3/4 • 1
08.492	32 • 40	1-1/4 • 1-1/2
08.493	50 • 63	2 • 2-1/2

REMOTE CONTROLLED PNEUMATIC VALVES

- Ideal for isolating sections of the air network hard to reach
- Allows to quickly and safely open and close the main air supply from the ground
- Guarantees the safety of people by eliminating any risk associated with work at height
- Normally closed valve

THREADED PNEUMATIC VALVE



Product No	Pipe mm	Pipe in	Thread (F) NPT
08.479	16	1/2	1/2
08.480	20	3/4	3/4
08.481	25	1	1

PNEUMATIC VALVE



Product No	Pipe mm	Pipe in
08.482	40	1-1/2
08.483	50	2
08.484	63	2-1/2
08.485	80	3

PNEUMATIC VALVE FOR COMPACT CONNECTION



Product No	Pipe mm	Pipe in
08.970.09	100	4

REMOTE CONTROL FOR VALVE



Product No	Description
08.487	110 VAC electric switch



Product No	Description
08.488	Button switch



Product No	Description
08.489	Key switch

POLYAMIDE CONNECTION TUBE



Connects the pneumatic valve to the switch

Product No	Description
08.490	12 meters (40 ft) heated tubes (x2) / 4mm dia.

TECH TIP

In order to avoid mechanical shocks in the piping and downstream equipment when opening the remote-controlled valve, it is recommended to install a speed controller on the "Closing Port" line near the control box. This will allow a gradual opening in 3 to 5 seconds instead of a sudden opening of 0.5 second.



Speed controller with flow regulator

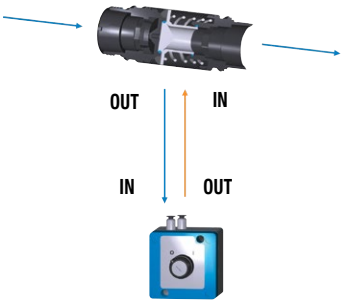


42.890 46.952

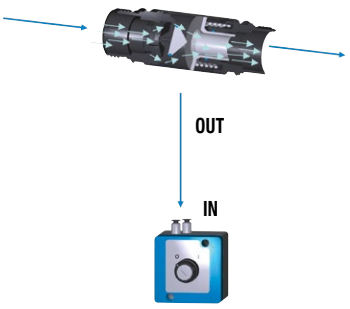
HOW IT WORKS

Service pressure > 36 to 232 PSI

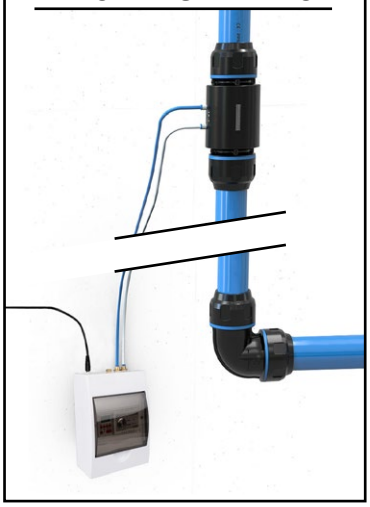
CLOSED



OPEN



TYPICAL INSTALLATION



VALVE AND REMOTE CONTROL KITS

Each kit includes a pneumatic valve, a remote control (either a button, key or electric switch) a 12 meters double connection tube and a speed controller.

KIT WITH ELECTRIC SWITCH

Product No	Pipe diameter mm	Pipe diameter in	Threaded valve (F) NPT
08.487.02	16	1/2	1/2
08.487.03	20	3/4	3/4
08.487.04	25	1	1
08.487.05	40	1-1/2	Non threaded valve
08.487.06	50	2	
08.487.07	63	2-1/2	
08.487.08	80	3	
08.487.09	100	4	

Includes



Speed controller with flow regulator included inside the control box

+ 12 meters

with



KIT WITH BUTTON SWITCH

Product No	Pipe diameter mm	Pipe diameter in	Threaded valve (F) NPT
08.488.02	16	1/2	1/2
08.488.03	20	3/4	3/4
08.488.04	25	1	1
08.488.05	40	1-1/2	Non threaded valve
08.488.06	50	2	
08.488.07	63	2-1/2	
08.488.08	80	3	
08.488.09	100	4	

Includes



+ 12 meters

+



with



KIT WITH KEY SWITCH

Product No	Pipe diameter mm	Pipe diameter in	Threaded valve (F) NPT
08.489.02	16	1/2	1/2
08.489.03	20	3/4	3/4
08.489.04	25	1	1
08.489.05	40	1-1/2	Non threaded valve
08.489.06	50	2	
08.489.07	63	2-1/2	
08.489.08	80	3	
08.489.09	100	4	

Includes



+ 12 meters

+



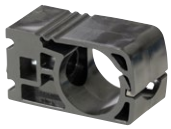
with



MOUNTING ACCESSORIES

MOUNTING CLIP

16 - 32 mm

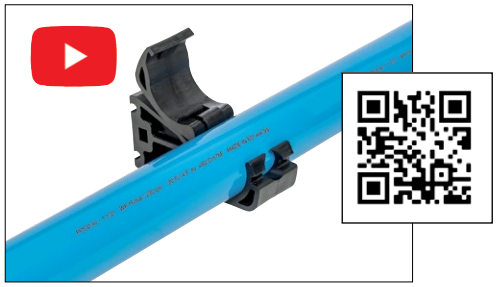


40 - 100 mm



Note: Integrated nut for ceiling installation with threaded rod 3/8 UNC

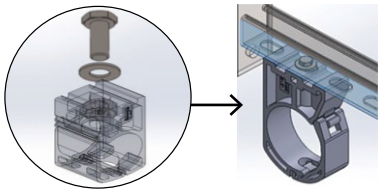
Product No	Pipe diameter	
	mm	in
08.700	16	1/2
08.701	20	3/4
08.702	25	1
08.703	32	1-1/4
08.704	40	1-1/2
08.705	50	2
08.706	63	2-1/2
08.707	80	3
08.708	100	4



Watch **TOPRING** compressed air piping system videos: https://bit.ly/en-s08-catalogue

STRUT CHANNEL ADAPTER KIT FOR MOUNTING CLIP

For installation on slotted strut channel 1-5/8 x 1-5/8 in

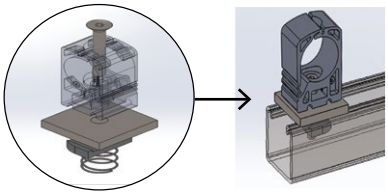


16 to 100 mm

Product No	Pipe diameter	
	mm	in
08.514	16 to 100	1/2 to 4

Kit 08.514 includes: 1 flat washer, 1 hex cap screw 3/8 UNC

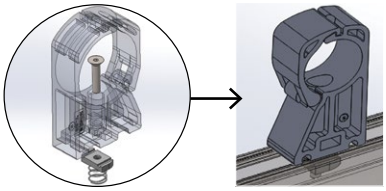
For installation on standard strut channel 1-5/8 x 1-5/8 in



16 to 32 mm

Product No	Pipe diameter	
	mm	in
08.516	16 to 32	1/2 to 1-1/4

Kit 08.516 includes: 1 spring nut, 1 flat head Phillips screw 1/4, 1 square washer



40 to 100 mm

Product No	Pipe diameter	
	mm	in
08.517	40 to 100	1-1/2 to 4

Kit 08.517 includes: 1 spring nut, 1 flat head Phillips screw 1/4

DRAINS

MANUAL DRAIN UNIT



P roduct No	Pipe diameter	
	mm	in
08.601	20	3/4
08.602	25	1

Includes: Brass ball valve, 20 or 25 mm fitting, 3/8 x 12 in (30.5 cm) **THERMOFLEX** hose with hose barb and hose clamp

MAXDRAIN AUTOMATIC DRAIN UNIT



Product No	Pipe diameter	
	mm	in
08.611	20	3/4
08.612	25	1

Includes: 400 ml liquid capacity drain and 20 or 25 mm fitting

AIRFLO AUTOMATIC DRAIN UNIT



Product No	Pipe diameter	
	mm	in
08.606	20	3/4
08.607	25	1

Includes: 130 ml liquid capacity drain, ball valve, Y strainer, and 20 or 25 mm fitting

MOUNTING ACCESSORIES

SPACER FOR ANODIZED ALUMINUM MANIFOLDS



For 1 outlet manifold



For 2 or 3 outlet manifold

Product No	Thickness mm	For anodized aluminum manifold
47.596	18	1 outlet
47.598	18	2 or 3 outlets

Installation requires screws #10

CLIP SPACER



08.518 / Thickness 35 mm

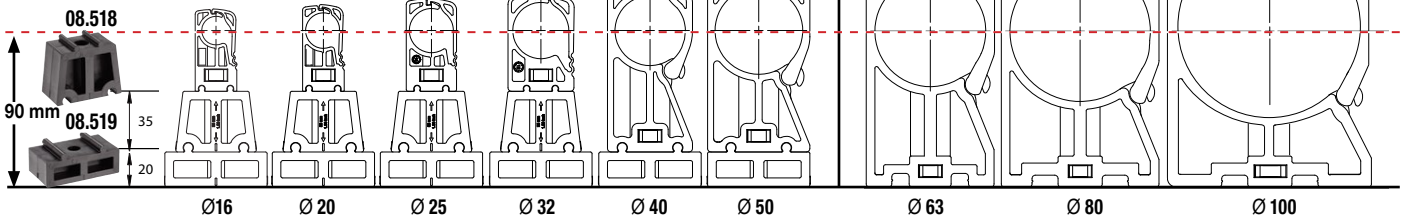


08.519 / Thickness 20 mm

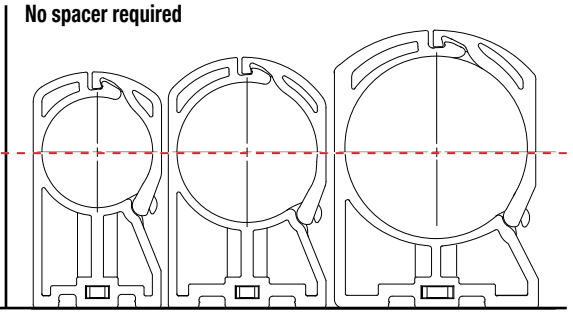
Product No	Thickness mm	For model	
		mm	in
08.518	35	16 to 32	1/2 to 1-1/4
08.519	20	40 to 50	1-1/2 to 2

The clip spacer compensates for the height difference created by connecting pipes of different diameters. The clip spacer ensures a perfect alignment.

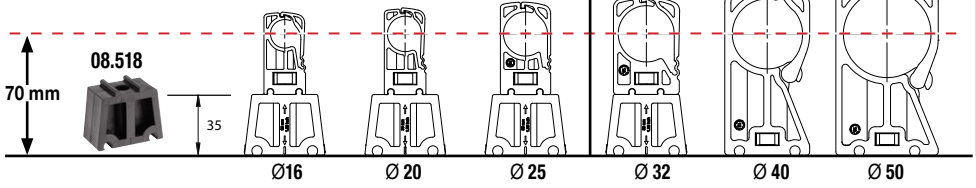
Mounting clip and clip spacer combinations with a 90 mm space between the wall and the pipe center



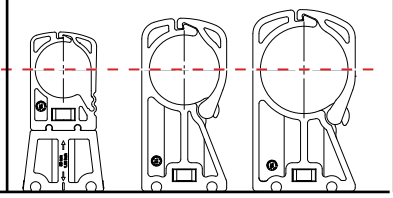
No spacer required



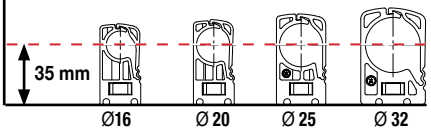
Mounting clip and clip spacer combinations with a 70 mm space between the wall and the pipe center



No spacer required



With 35 mm between wall and tube center, no spacer required

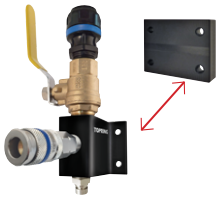


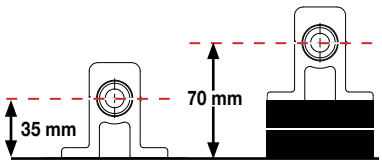
Combinations of manifold spacer for optimal alignment with drop leg

If the distance between the wall and the center of the pipe is more than 35 mm, manifold spacers may be required. The manifold must be properly aligned with the drop leg.



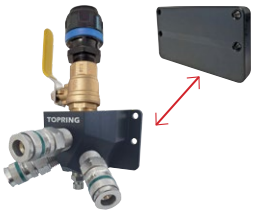
Spacer for manifold with 1 outlet
47.596 / Thickness 18 mm

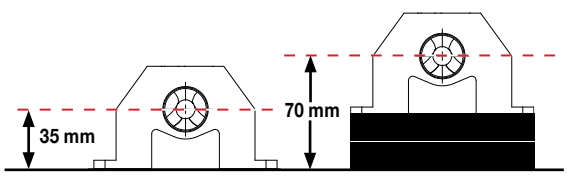






Spacer for manifold with 2 or 3 outlets
47.598 / Thickness 18 mm





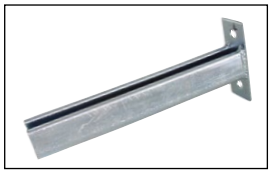
TECH TIP

A deviation pipe can be used for correcting the alignment between main line and drop legs.



MOUNTING ACCESSORIES

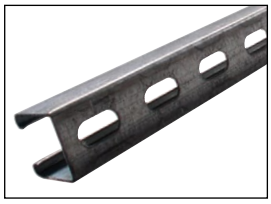
CANTILEVER ARM • 1-5/8 X 1-5/8 IN



Product No	Length / in
08.510	6
08.511	12

For wall mounting

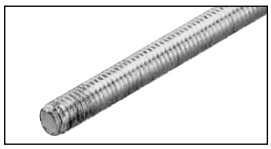
STRUT CHANNEL • 1-5/8 X 1-5/8 IN



Product No	Length / ft
08.513	10

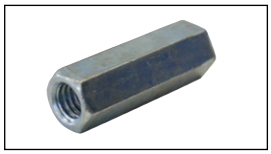
For ceiling mounting

THREADED ROD • 10 FT



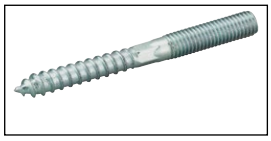
Product No	Thread UNC
08.545	3/8 - 16
08.548	1/2 - 13

COUPLING NUT



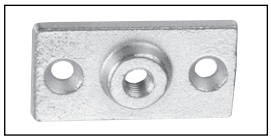
Product No	Thread UNC
08.546	3/8 - 16
08.549	1/2 - 13

SCREW



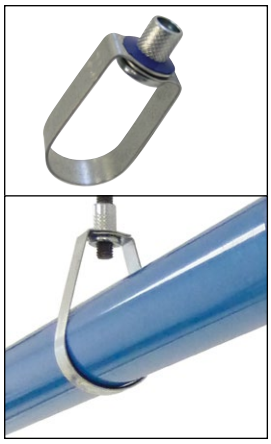
Product No	Thread UNC
08.547	3/8 - 16
08.550	1/2 - 13

CEILING FLANGE



Product No	Thread UNC
08.508	3/8 - 16
08.509	1/2 - 13

SWIVEL LOOP HANGER



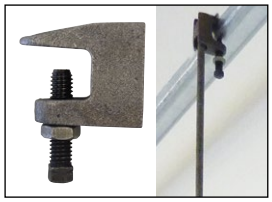
Product No	Pipe diameter		Thread UNC
	mm	in	
08.531	16 - 20	1/2 - 3/4	3/8 - 16
08.532	25	1	3/8 - 16
08.533	32	1-1/4	3/8 - 16
08.534	40	1-1/2	3/8 - 16
08.535	50	2	3/8 - 16
08.536	63	2-1/2	3/8 - 16
08.537	80	3	3/8 - 16
08.536.01	63	2-1/2	1/2 - 13
08.537.01	80	3	1/2 - 13
08.538.01	100	4	1/2 - 13
08.539.01	160	6	1/2 - 13

SUSPENSION PIPE CLIP



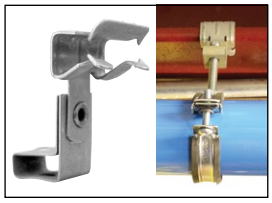
Product No	Pipe diameter		Thread UNC
	mm	in	
08.521	16 - 20	1/2 - 3/4	3/8 - 16
08.522	25	1	3/8 - 16
08.523	32	1-1/4	3/8 - 16
08.524	40	1-1/2	3/8 - 16
08.525	50	2	3/8 - 16
08.526	63	2-1/2	3/8 - 16
08.527	80	3	3/8 - 16
08.528	100	4	1/2 - 13
08.529	160	6	1/2 - 13

I-BEAM CLAMP • 3/8 UNC



Product No	Beam Thickness (in)	Thread UNC
08.543	3/4	3/8 - 16
08.543.01	3/4	1/2 - 13

I-BEAM MOUNTING CLIP



Product No	Beam Thickness (in)	Thread UNC
08.540	1/8 - 1/4	3/8 - 16
08.541	3/8 - 1/2	3/8 - 16
08.542	1/2 - 3/4	3/8 - 16

BRACKET FOR BALL VALVE

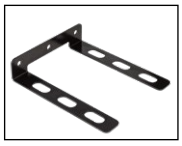


Product No	Pipe diameter	
	mm	in
08.984.01	16	1/2
08.984.02	20	3/4
08.984.03	25	1
08.984.04	32	1-1/4
08.984.05	40	1-1/2
08.984.06	50	2



Product No	Pipe diameter	
	mm	in
08.985.07	63	2-1/2
08.985.02	80	3
08.985.03	100	4

BRACKET FOR BALL VALVE WITH FLANGE



Product No	Pipe diameter	
	mm	in
08.984.09	100	4
08.984.10	160	6

MANIFOLDS AND COUPLER KITS

MANIFOLD / 1 QUICK COUPLER



Product No	Size mm	Size in	Quick Coupler (1x)
08.454	16	1/2	QUIKSILVER 1/4 INDUSTRIAL
08.455	20	3/4	
08.454.02	16	1/2	QUIKSILVER ULTRAFLO
08.455.02	20	3/4	

Product No	Size mm	Size in	Quick Coupler (1x)
08.454.03	16	1/2	TOPQUIK 1/4 INDUSTRIAL
08.455.03	20	3/4	
08.454.04	16	1/2	TOPQUIK ULTRAFLO
08.455.04	20	3/4	

Product No	Size mm	Size in	Quick Coupler (1x)
08.454.05	16	1/2	TOPQUIK S1 1/4 INDUSTRIAL
08.455.05	20	3/4	
08.454.07	16	1/2	TOPQUIK S1 ULTRAFLO
08.455.07	20	3/4	

MANIFOLD / 2 QUICK COUPLERS



Product No	Size mm	Size in	Quick Coupler (2x)
08.464	16	1/2	QUIKSILVER 1/4 INDUSTRIAL
08.465	20	3/4	
08.466	25	1	
08.464.02	16	1/2	QUIKSILVER ULTRAFLO
08.465.02	20	3/4	
08.466.02	25	1	

Product No	Size mm	Size in	Quick Coupler (2x)
08.464.03	16	1/2	TOPQUIK 1/4 INDUSTRIAL
08.465.03	20	3/4	
08.466.03	25	1	
08.464.04	16	1/2	TOPQUIK ULTRAFLO
08.465.04	20	3/4	
08.466.04	25	1	

Product No	Size mm	Size in	Quick Coupler (2x)
08.464.05	16	1/2	TOPQUIK S1 1/4 INDUSTRIAL
08.465.05	20	3/4	
08.466.05	25	1	
08.464.07	16	1/2	TOPQUIK S1 ULTRAFLO
08.465.07	20	3/4	
08.466.07	25	1	

MANIFOLD / 3 QUICK COUPLERS



Product No	Size mm	Size in	Quick Coupler (3x)
08.474	16	1/2	QUIKSILVER 1/4 INDUSTRIAL
08.475	20	3/4	
08.476	25	1	
08.474.02	16	1/2	QUIKSILVER ULTRAFLO
08.475.02	20	3/4	
08.476.02	25	1	

Product No	Size mm	Size in	Quick Coupler (3x)
08.474.03	16	1/2	TOPQUIK 1/4 INDUSTRIAL
08.475.03	20	3/4	
08.476.03	25	1	
08.474.04	16	1/2	TOPQUIK ULTRAFLO
08.475.04	20	3/4	
08.476.04	25	1	

Product No	Size mm	Size in	Quick Coupler (3x)
08.474.05	16	1/2	TOPQUIK S1 1/4 INDUSTRIAL
08.475.05	20	3/4	
08.476.05	25	1	
08.474.07	16	1/2	TOPQUIK S1 ULTRAFLO
08.475.07	20	3/4	
08.476.07	25	1	

MANIFOLD KITS

MANIFOLD / 1 OUTLET



Product No	Size mm	Size in	Outlet (F) NPT
08.450	16	1/2	3/8
08.451	20	3/4	3/8

MANIFOLD WITH VALVE / 1 OUTLET



Product No	Size mm	Size in	Outlet (F) NPT
08.448	16	1/2	3/8
08.449	20	3/4	3/8

MANIFOLD / 2 OR 3 OUTLETS



Product No	Size mm	Size in	Outlet (F) NPT
08.460	16	1/2	1/2 (2/3x)
08.461	20	3/4	1/2 (2/3x)
08.462	25	1	1/2 (2/3x)

Plug included

MANIFOLD WITH VALVE / 2 OR 3 OUTLETS



Product No	Size mm	Size in	Outlet (F) NPT
08.457	16	1/2	1/2 (2/3x)
08.458	20	3/4	1/2 (2/3x)
08.459	25	1	1/2 (2/3x)

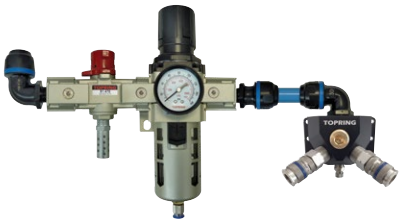
Plug included

MANIFOLDS AND COMBINED UNIT KITS • F/R • F/R+L

These kits include:

- Filter/Regulator unit or Filter/Regulator + Lubricator unit combined unit with 5 micron element, semi-automatic drain and gauge
- Venting safety lock-out valve with high performance muffler
- 90° male threaded elbow
- 2 piping adapters and mounting brackets
- Manifold with drain
- Available with 1 or 2 quick couplers or without coupler

F/R UNIT WITH SAFETY LOCK-OUT VALVE AND COUPLERS



Product No	Size mm	Size in	Quick Coupler
08.620	16	1/2	QUIKSILVER 1/4 INDUSTRIAL (1x)
08.621	20	3/4	QUIKSILVER 1/4 INDUSTRIAL (2x)
08.622	25	1	

Product No	Size mm	Size in	Quick Coupler
08.620.03	16	1/2	TOPQUIK 1/4 INDUSTRIAL (1x)
08.621.03	20	3/4	TOPQUIK 1/4 INDUSTRIAL (2x)
08.622.03	25	1	

Product No	Size mm	Size in	Quick Coupler
08.620.05	16	1/2	TOPQUIK S1 INDUSTRIAL (1x)
08.621.05	20	3/4	TOPQUIK S1 1/4 INDUSTRIAL (2x)
08.622.05	25	1	

Product No	Size mm	Size in	Quick Coupler
08.620.02	16	1/2	QUIKSILVER ULTRAFLO (1x)
08.621.02	20	3/4	QUIKSILVER ULTRAFLO (2x)
08.622.02	25	1	

Product No	Size mm	Size in	Quick Coupler
08.620.04	16	1/2	TOPQUIK ULTRAFLO (1x)
08.621.04	20	3/4	TOPQUIK ULTRAFLO (2x)
08.622.04	25	1	

Product No	Size mm	Size in	Quick Coupler
08.620.07	16	1/2	TOPQUIK S1 ULTRAFLO (1x)
08.621.07	20	3/4	TOPQUIK S1 ULTRAFLO (2x)
08.622.07	25	1	

F/R+L UNIT WITH SAFETY LOCK-OUT VALVE AND COUPLERS



Product No	Size mm	Size in	Quick Coupler
08.630	16	1/2	QUIKSILVER 1/4 INDUSTRIAL (1x)
08.631	20	3/4	QUIKSILVER 1/4 INDUSTRIAL (2x)
08.632	25	1	

Product No	Size mm	Size in	Quick Coupler
08.630.03	16	1/2	TOPQUIK 1/4 INDUSTRIAL (1x)
08.631.03	20	3/4	TOPQUIK 1/4 INDUSTRIAL (2x)
08.632.03	25	1	

Product No	Size mm	Size in	Quick Coupler
08.630.05	16	1/2	TOPQUIK S1 1/4 INDUSTRIAL (1x)
08.631.05	20	3/4	TOPQUIK S1 1/4 INDUSTRIAL (2x)
08.632.05	25	1	

Product No	Size mm	Size in	Quick Coupler
08.630.02	16	1/2	QUIKSILVER ULTRAFLO (1x)
08.631.02	20	3/4	QUIKSILVER ULTRAFLO (2x)
08.632.02	25	1	

Product No	Size mm	Size in	Quick Coupler
08.630.04	16	1/2	TOPQUIK ULTRAFLO (1x)
08.631.04	20	3/4	TOPQUIK ULTRAFLO (2x)
08.632.04	25	1	

Product No	Size mm	Size in	Quick Coupler
08.630.07	16	1/2	TOPQUIK S1 ULTRAFLO (1x)
08.631.07	20	3/4	TOPQUIK S1 ULTRAFLO (2x)
08.632.07	25	1	

F/R UNIT WITH SAFETY LOCK-OUT VALVE



Product No	Size mm	Size in	Outlet (F) NPT
08.617	16	1/2	3/8 (1x)
08.618	20	3/4	1/2 (2/3x)
08.619	25	1	1/2 (2/3x)

Plug included

F/R+L UNIT WITH SAFETY LOCK-OUT VALVE



Product No	Size mm	Size in	Outlet (F) NPT
08.627	16	1/2	3/8 (1x)
08.628	20	3/4	1/2 (2/3x)
08.629	25	1	1/2 (2/3x)

Plug included

QUIKSILVER

- Delivers high air volume with low pressure drop
- Automatic push-to-connect operation
- Easy to connect, even under pressure



1/4 INDUSTRIAL: 362 PSI, 44 SCFM



ULTRAFLO: 362 PSI, 80 SCFM

TOPQUIK

- Provides superior tool performance
- 2-step safe disconnection: downstream pressure automatically vented for easy disconnection at zero pressure



1/4 INDUSTRIAL: 225 PSI, 36 SCFM



ULTRAFLO: 174 PSI, 59 SCFM

TOPQUIK S1

- Superior quality • ATEX certified
- Safe disconnection in a single push: downstream pressure automatically vented for easy disconnection at zero pressure



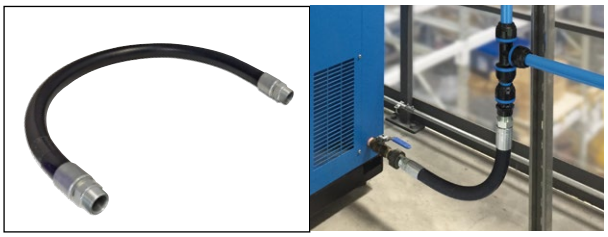
1/4 INDUSTRIAL: 174 PSI, 34 SCFM



ULTRAFLO: 174 PSI, 73 SCFM

FLEXIBLE ANTI-VIBRATION HOSES

- Designed for bypassing obstacles or overcoming misalignments of piping system
- Ideal for connecting a compressor outlet to the piping system



STANDARD RUBBER

Length 24 in	Length 48 in	Fittings (M) NPT	Hose I.D. in	Minimum Bend Radius (in)	Braid
Product No					
08.800	**08.810**	1/2	1/2	3-1/2	Simple
08.801	**08.811**	3/4	3/4	4-3/4	Simple
08.802	**08.812**	1	1	6	Simple
08.803	**08.813**	1-1/4	1-1/4	8-1/4	Simple
08.804	**08.814**	1-1/2	1-1/2	10	Simple
08.805	**08.815**	2	2	12-1/2	Simple
08.806	**08.816**	2-1/2	2-1/2	15	Double
08.807	**08.817**	3	3	17-3/4	Double

Materials

Cover: Oil-resistant synthetic rubber
Inner Hose: Oil and heat-resistant rubber
Reinforcement: Steel wire

Specifications

Working temperature: -40 to 100 °C
Maximum working pressure: 500 PSI

CRN APPROVED RUBBER

CRN CANADIAN REGISTRATION NUMBER

Length 24 in	Length 48 in	Fittings (M) NPT	Hose I.D. in	Minimum Bend Radius (in)	Braid
Product No					
08.820	**08.830**	1/2	1/2	3-1/2	Simple
08.821	**08.831**	3/4	3/4	4-3/4	Double
08.822	**08.832**	1	1	6	Double
08.823	**08.833**	1-1/4	1-1/4	8-1/4	Quadruple
08.824	**08.834**	1-1/2	1-1/2	10	Quadruple
08.825	**08.835**	2	2	12-1/2	Quadruple

Materials

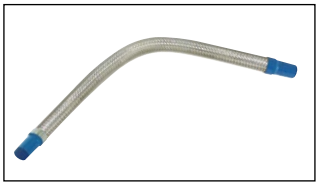
Cover: Abrasion resistant synthetic rubber
Inner hose: Synthetic rubber
Reinforcement: High tensile steel wire

Specifications

Working temperature: -40 to 125 °C
Maximum working pressure: 3000 PSI

HIGH TEMPERATURE ANTI-VIBRATION HOSES / STAINLESS STEEL HOSE AND BRAID

- Flexible and corrugated designed to minimize vibration and heat coming from the compressor
- Meets ISO 10380 specifications

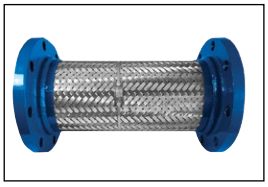


Materials

Hose and Braid: Stainless steel
Fitting: Steel

Specifications

Working temperature: -40 to 250 °C



Materials

Hose and Braid: Stainless steel
Flange: Steel
Ring: Stainless steel

Specifications

Working temperature: -40 to 250 °C

HIGH TEMPERATURE STAINLESS STEEL 12 / 14 / 24 INCHES WITH THREADED FITTINGS

Product No	Fittings (M) NPT	Hose I.D. in	Length (in)	Maximum Misalignment (in)		Maximum Pressure PSI at 21 °C
08.840	1/2	1/2	12	1.240	5/8	1225
08.841	3/4	3/4		1.104	1/2	1034
08.842	1	1		0.920	7/16	796
08.843	1-1/4	1-1/4		0.490	1/4	600
08.844	1-1/2	1-1/2		0.427	1/4	557
08.845	2	2		0.399	3/16	570
08.846	2-1/2	2-1/2	14	0.135		398
08.847	3	3		0.125		327
08.850	1/2	1/2	24	1.65	3-5/8	1225
08.851	3/4	3/4		1.650	3	1034
08.852	1	1		1.880	2-5/8	796
08.853	1-1/4	1-1/4		2.55	2	600
08.854	1-1/2	1-1/2		2.94	1-3/4	557
08.855	2	2		3.14	1-7/16	570

HIGH TEMPERATURE STAINLESS STEEL 12 / 24 INCHES WITH FLANGE

Product No	Flange (mm)		Hose I.D. in	Length (in)	Maximum Misalignment (in)	Maximum Pressure PSI at 21 °C
08.846.01	63	2-1/2	2-1/2	12	0.500	285
08.847.01	80	3	3		0.440	285
08.848	100	4	4		0.335	284
08.856.01	63	2-1/2	2-1/2	24	3.125	285
08.857.01	80	3	3		2.850	285
08.858	100	4	4		2.259	284

CAUTION

An anti-vibration hose must always be installed between the compressor and the air piping system to protect the system from vibrations and expansion forces.

PRACTICAL TOOLS

PIPE CUTTER

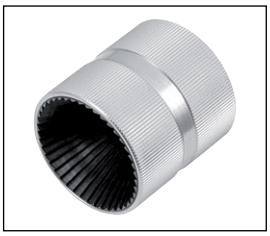


Product No	Pipe diameter	
	mm	in
08.581	16 to 25	1/2 to 1
08.582	Replacement blade for 08.581	
08.583	16 to 63	1/2 to 2-1/2
08.584	Replacement blade for 08.583	
08.585	50 to 100	2 to 4
08.586	Replacement blade for 08.585	
08.594	100 et 160	4 et 6
08.595	Replacement blade for 08.594	

CHAMFER TOOL



Product No	Pipe diameter	
	mm	in
08.587	16 to 32	1/2 to 1-1/4

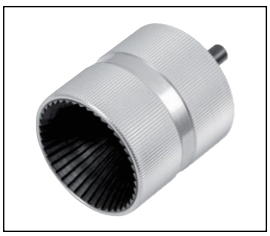


Product No	Pipe diameter	
	mm	in
08.588	16 to 50	1/2 to 2

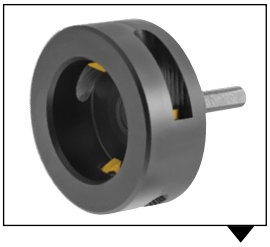


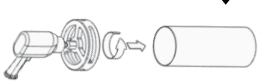
Product No	Pipe diameter	
	mm	in
08.589	63 to 100	2-1/2 to 4

CHAMFER TOOL FOR DRILL



Product No	Pipe diameter	
	mm	in
08.592	16 to 50	1/2 to 2





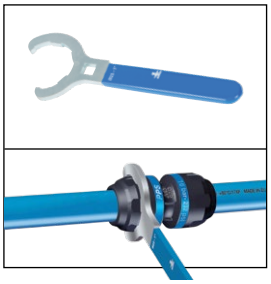
Product No	Pipe diameter	
	mm	in
08.551	16 and 20	1/2 and 3/4
08.552	25	1
08.553	32	1-1/4
08.554	40	1-1/2
08.555	50	2
08.556	63	2-1/2
08.557	80	3
08.558	100	4
08.559	160	6

DEBURRING TOOL



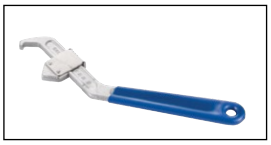
Product No	Description
08.590	Deburring tool
08.591	Replacement blades (x2)

SPANNER WRENCH



Product No	Pipe diameter	
	mm	in
08.560	16	1/2
08.561	20	3/4
08.562	25	1
08.563	32	1-1/4
08.564	40	1-1/2
08.565	50	2
08.566	63	2-1/2
08.567	80	3

NEUTRAL HOOK SPANNER



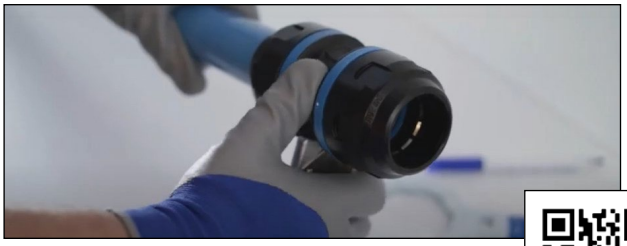
Product No	Pipe diameter	
	mm	in
08.569	16 to 80	1/2 to 3

GEL FOR ASSEMBLY



Product No	Description
08.579	200 ml

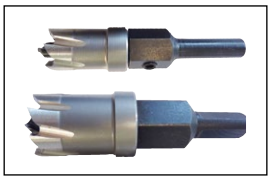
- Integrated brush easy to use
- Facilitates pipe and fitting connection without any drip
- NSF H1 certified for the food industry



Watch **TOPRING** compressed air piping system videos:
https://bit.ly/en-s08-catalogue

PRACTICAL TOOLS

DRILLING BIT



Visit **TOPRING**.com
to see the video

Product No	Drilling diameter		Size	
	mm	in	mm	in
08.575	16	1/2	25 to 32	1 to 1-1/4
08.576	22	55/64	40 to 50	1-1/2 to 2
08.577	30	1-3/16	63 to 80	2-1/2 to 3
08.578	40	1-25/41	100	4
08.580	64	2-1/2	160	6

For the installation of take-off drop couplings

Integrated stop bumper to prevent a complete perforation of the pipe

DRILLING TOOL FOR PRESSURIZED DRILLING



A drop coupling with ball valve is required when using the pressurized drilling bit

No	Drilling diameter		For drop coupling
	mm	in	Thread (F) NPT
08.596	13	1/2	1/2
08.597	19	3/4	1

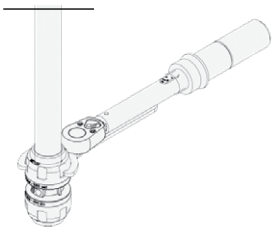
TORQUE WRENCH





Product No	Square driver	Max. unscrew torque (Nm)
08.573*	3/8	6 to 30
08.574	3/8	20 to 100

* Supplied with 5 sockets
(HW4, HW5, HW6, HW7, HW8)



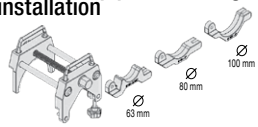
INSERTION TOOL GUIDE FOR PIPES AND FITTINGS





Product No	Pipe diameter	
	mm	in
08.598*	63 to 100	2-1/2 to 4
08.599 *	160	6

Facilitates pipe and fitting installation





* On request only

INSTALLATION TOOL KIT



Product No	Description
08.593	Installation tool kit

Kit includes:
1 pipe cutter, 1 deburring tool,
1 marker, 2 drilling tools,
1 chamferdrilling bit for pipe tool,
carrying case

CHAMFERING TOOL KIT FOR DRILL





Product No	Description
08.895*	Chamfering kit for drill for 16 to 50 mm pipe diameters
08.896*	Chamfering kit for drill for 63 to 100 mm pipe diameters

* On request only

08.895 includes: 5 chamfering tool for drill and 1 hex drill bit adapter, carrying case / for pipe diameters 16-20, 25, 32, 40 and 50 mm

08.896 includes: 3 chamfering tool for drill and 1 hex drill bit adapter, carrying case / for pipe diameters 63, 80 and 100 mm

SPANNER WRENCH KIT



Product No	Pipe diameter	
	mm	in
08.570	16 to 32	1/2 to 1-1/4
08.571	40 to 50	1-1/2 to 2
08.572	63 to 80	2-1/2 to 3

Kit includes:
2 or 4 tightening wrenches,
1 marker pen, carrying case

DRILLING TOOL KIT





Product No	Description
08.897*	Drilling kit for 16 to 100 mm pipe diameters
08.898*	Pressurized drilling kit

* On request only

08.897 includes: 5 bits for drilling for 16 to 100 mm (1/2 to 4 in) pipe diameters, carrying case

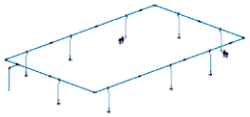
08.898 includes: 2 bits for drilling diameters 13 and 19 mm (0.51 - 0.75 in), carrying case

A drop coupling with ball valve is required when using a pressurized drilling tool.

GUIDE TO DETERMINE THE MINIMUM DIAMETER PIPE SIZING FOR A COMPRESSED AIR NETWORK

1. Identify the type of network: closed loop or dead-end
2. Calculate the total length of the line (feet)
3. Determine the total flow required (SCFM)
4. Use the charts below in order to identify the proper diameter size

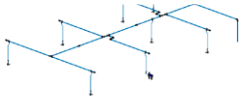
- Calculations based on total maximum pressure drop (△P) of no more than 3 PSIG for the entire network, at 100 PSIG at 15.5 °C
- Total flow required takes account of all flows for all compressed air powered tools and equipment
- Note that a typical compressor will produce approximately 4 SCFM per HP



Minimum diameter pipe sizing for a closed loop network

TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED (SCFM)	100	150	200	250	300	400	500	600	700	800	900	1000	1250	1500	2000	2500	3000	4000	5000	6000	7000	8000
5	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	20	20
10	16	16	16	16	16	16	16	16	16	16	16	16	16	16	20	20	20	20	20	20	25	25
15	16	16	16	16	16	16	16	16	16	20	20	20	20	20	20	20	25	25	25	25	25	25
20	16	16	16	16	16	16	20	20	20	20	20	20	20	20	25	25	25	25	25	32	32	32
30	16	16	16	20	20	20	20	20	20	25	25	25	25	25	25	25	32	32	32	32	32	32
40	16	20	20	20	20	20	25	25	25	25	25	25	25	25	32	32	32	32	32	40	40	40
60	20	20	20	25	25	25	25	25	25	32	32	32	32	32	32	32	40	40	40	40	40	40
80	20	25	25	25	25	25	32	32	32	32	32	32	32	32	40	40	40	40	50	50	50	50
100	25	25	25	25	32	32	32	32	32	32	32	32	40	40	40	40	40	50	50	50	50	50
125	25	25	32	32	32	32	32	32	40	40	40	40	40	40	40	50	50	50	50	50	50	63
150	25	32	32	32	32	32	40	40	40	40	40	40	40	40	50	50	50	50	63	63	63	63
200	32	32	32	32	40	40	40	40	40	40	40	50	50	50	50	50	63	63	63	63	63	63
300	32	40	40	40	40	40	50	50	50	50	50	50	50	63	63	63	63	63	80	80	80	80
400	40	40	40	40	50	50	50	50	50	50	63	63	63	63	63	63	80	80	80	80	80	80
500	40	40	50	50	50	50	50	63	63	63	63	63	63	63	80	80	80	80	80	80	100	100
750	50	50	50	50	63	63	63	63	63	63	80	80	80	80	80	80	100	100	100	100	100	100
1000	50	63	63	63	63	63	63	80	80	80	80	80	80	80	100	100	100	100	100	160	160	160
1500	63	63	63	80	80	80	80	80	80	80	100	100	100	100	100	160	160	160	160	160	160	160
2000	63	80	80	80	80	80	100	100	100	100	100	100	100	160	160	160	160	160	160	160	160	160
2500	80	80	80	80	80	100	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160
3000	80	80	80	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160	160	
4000	80	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160				
5000	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160	160						
6000	100	100	160	160	160	160	160	160	160	160	160	160	160	160	160							
7000	100	160	160	160	160	160	160	160	160	160	160	160	160	160								
8000	100	160	160	160	160	160	160	160	160	160	160	160										
9000	160	160	160	160	160	160	160	160	160	160	160											
10000	160	160	160	160	160	160	160	160	160	160												



Minimum diameter pipe sizing for a linear network (dead end)

TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED (SCFM)	25	50	75	100	150	200	250	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	4000
5	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	20	20	20	20	20
10	16	16	16	16	16	16	16	16	20	20	20	20	20	20	20	25	25	25	25	32
15	16	16	16	16	20	20	20	20	20	20	25	25	25	25	25	25	32	32	32	32
20	16	16	16	20	20	20	20	25	25	25	25	25	25	25	25	32	32	32	32	40
30	16	20	20	20	25	25	25	25	25	32	32	32	32	32	32	32	40	40	40	40
40	20	20	20	25	25	25	25	32	32	32	32	32	32	32	32	40	40	40	40	50
60	20	25	25	25	32	32	32	32	32	40	40	40	40	40	40	40	50	50	50	50
80	25	25	32	32	32	32	32	40	40	40	40	40	40	50	50	50	50	50	63	63
100	25	32	32	32	32	40	40	40	40	40	50	50	50	50	50	50	63	63	63	63
125	25	32	32	32	40	40	40	40	50	50	50	50	50	50	50	63	63	63	63	63
150	32	32	32	40	40	40	40	50	50	50	50	50	50	63	63	63	63	63	63	80
200	32	32	40	40	40	50	50	50	50	50	63	63	63	63	63	63	80	80	80	80
300	40	40	40	50	50	50	63	63	63	63	63	63	63	80	80	80	80	80	100	100
400	40	50	50	50	63	63	63	63	63	80	80	80	80	80	80	80	100	100	100	100
500	40	50	50	63	63	63	63	63	80	80	80	80	80	80	80	100	100	100	100	160
750	50	63	63	63	63	80	80	80	80	80	100	100	100	100	100	100	160	160	160	160
1000	50	63	63	80	80	80	80	80	100	100	100	100	100	100	160	160	160	160	160	160
1500	63	80	80	80	100	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160
2000	63	80	80	100	100	100	100	160	160	160	160	160	160	160	160	160	160	160		
2500	80	80	100	100	100	160	160	160	160	160	160	160	160	160	160	160				
3000	80	100	100	100	160	160	160	160	160	160	160	160	160	160	160					
4000	100	100	160	160	160	160	160	160	160	160	160	160								
5000	100	160	160	160	160	160	160	160	160	160										
6000	100	160	160	160	160	160	160	160												
7000	100	160	160	160	160	160	160													
8000	160	160	160	160	160	160														
9000	160	160	160	160	160															
10000	160	160	160	160																

Note: Diameters are based on the CAGI Handbook's recommendations for pressure drop less than 3 psi, with the following conditions: pressure 100 psig at 20 degrees C, main loop including 2 valves and 4 elbows.

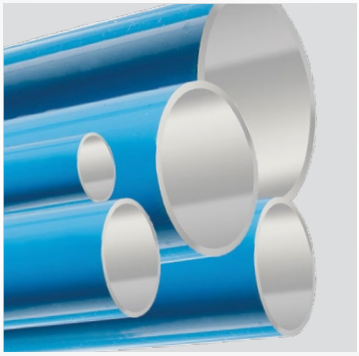
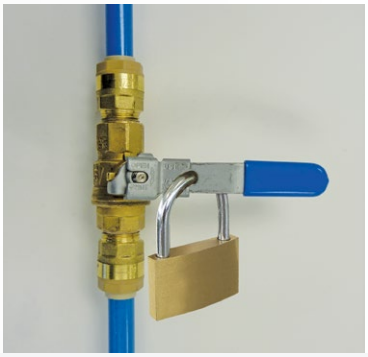
CAUTION

Installation of **TOPRING** S08 compressed air piping system must be made according to the assembly instructions as indicated in the installation guide. Carefully read the design and installation guides prior proceeding (available on **TOPRING**.com).

NOTES

QuickLINE
Compressed air piping system




Group 2 • Series 07

TOPRING

Compressed air solutions

QuickLINE
ALUMINUM PIPES AND BRASS FITTINGS

SUSTAINABLE AND LEAKTIGHT SOLUTION

The QuickLINE compressed air piping system is composed of corrosion resistant aluminium pipes and brass fittings that are easy and quick to install. The system can be easily disassembled and reinstalled without breaking any components.

The QuickLINE system ensures:

- Maximum working pressure of 217 PSI (15 BAR)
- Leaktight system and optimized airflow
- Clean air and optimal efficiency

The QuickLINE system offers a wide range of pipe and fitting diameters:

mm	15	22	28	40	50	63
∅ po	1/2	3/4	1	1-1/2	2	2-1/2

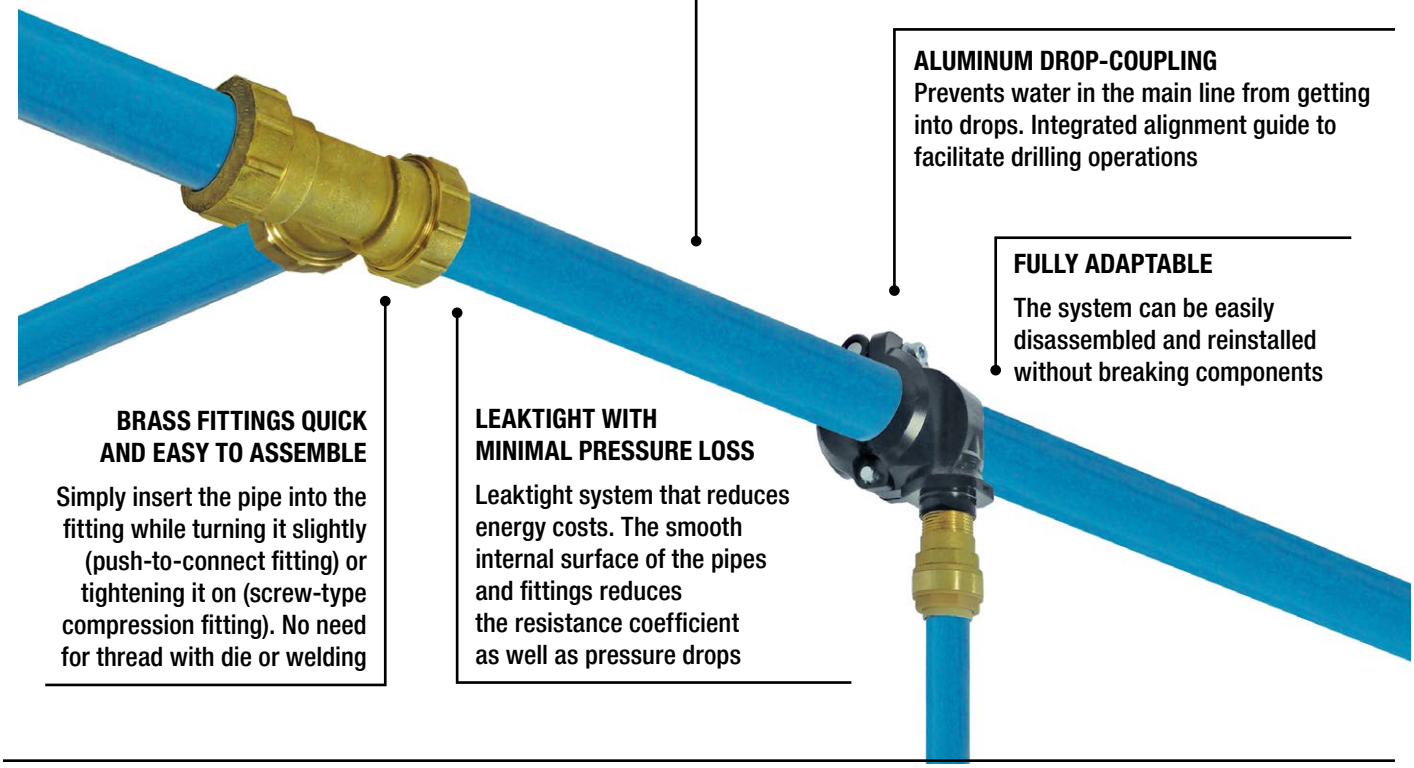
ADVANTAGES

ECONOMIC SOLUTION

Reduce installation costs that often include more labor costs than material costs, lower maintenance costs, and lower user fees

ALUMINUM PIPES

The aluminum alloy pipes are protected by an electrostatic paint and a special coating on the inside surface which optimizes flow rate and increases protection against corrosion and oxidation



ALUMINUM DROP-COUPLING

Prevents water in the main line from getting into drops. Integrated alignment guide to facilitate drilling operations

FULLY ADAPTABLE

The system can be easily disassembled and reinstalled without breaking components

BRASS FITTINGS QUICK AND EASY TO ASSEMBLE

Simply insert the pipe into the fitting while turning it slightly (push-to-connect fitting) or tightening it on (screw-type compression fitting). No need for thread with die or welding

LEAKTIGHT WITH MINIMAL PRESSURE LOSS

Leaktight system that reduces energy costs. The smooth internal surface of the pipes and fittings reduces the resistance coefficient as well as pressure drops

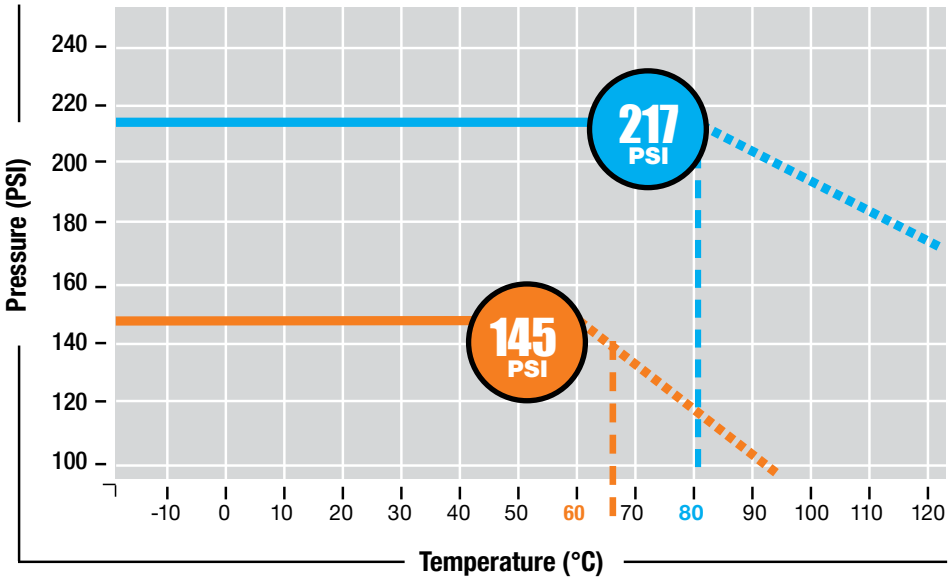
WARRANTY

The **TOPRING** QuickLINE products are warranted to be free of defects in material and workmanship for a period of ten (10) years from the date which the client-user was invoiced by the Distributor.

WARRANTY 10 YEARS

SPECIFICATIONS

Maximum working pressure: 217 PSI (15 BAR)
Burst pressure: Coefficient of 5:1 (217 PSI x 5 = 1 085 PSI)
Working temperature: -20 to 80 °C



Applications

- Compressed air, vacuum, inert gases (nitrogen, CO_2, argon, etc.)

Resistance to

- Corrosion
- Harsh environments
- Mechanical shock
- Thermal variations
- Mineral and synthetic oils for compressors
- Ultraviolet

Environment

- The pipes and fittings material are 100% recyclable
- All pipes and fittings are silicone free

Vacuum level

-29.84 in Hg / -0.98 BAR

LEGEND

QuickLINE pipes and fittings

Aluminum pipes and plastic or plastic/ aluminum fittings

GOOD TO KNOW

QuickLINE pipes and fittings allow the system to be operated at a maximum pressure of 217 PSI at temperatures of -20 to 80 °C.

Systems using aluminum piping and plastic or plastic/ aluminum fittings are limited to a maximum pressure of 145 PSI or less at temperatures of -20 to 60 °C.

CERTIFICATIONS

Pressure Equipment

All fittings and ball valves are registered under the Canadian Registration Number (CRN)

All products are registered with Technical Standard & Safety Authority (TSSA)

All products meet the requirements of ASME B31 / ASME B31.1 / ASME B31.3

Environment

Compliant with REACH regulation EC1907/2006

RoHS compliant

All TOPRING PPS materials are recyclable

Quality of the Fluids

Silicone free

Quality system

Quality system ISO9001-2015 certified

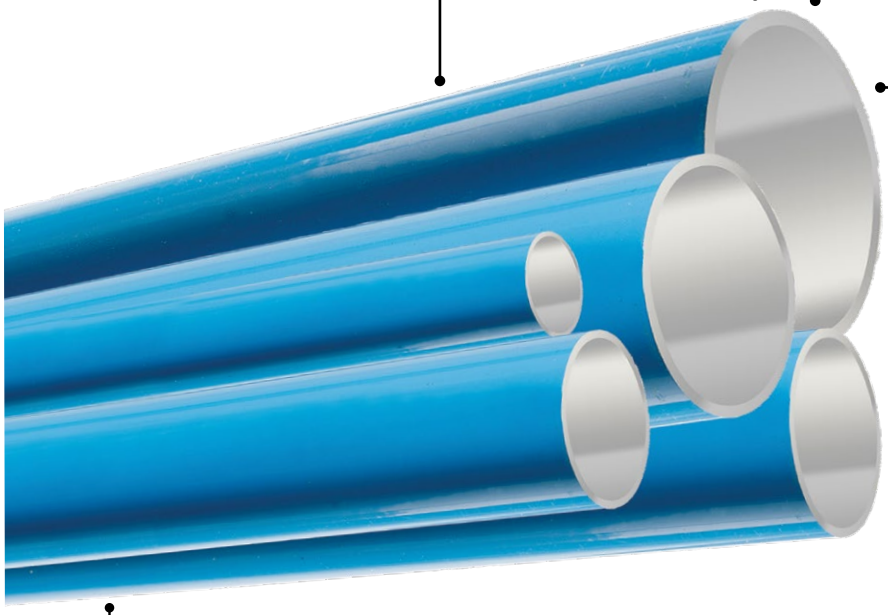
ALUMINUM PIPES

The QuickLINE piping system is quick and easy to install with a single assembly method for 15, 22 and 28 mm tubes and a connection method for 40, 50 and 63 mm tubes.

EASY INSTALLATION
Quick and easy assembly method for all diameters.
Easy to cut and chamfer

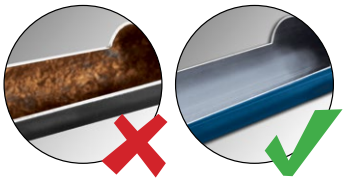
LIGHTWEIGHT
Easy to handle and assemble

TUBE COLORS
Available in blue, green and gray color for fluid identification

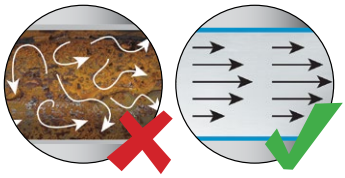


UV AND HEAT RESISTANT
Low expansion coefficient

CORROSION RESISTANT
Extruded aluminum alloy prevents rust formation



VERY LOW PRESSURE LOSS
Smooth internal surface prevents air turbulence

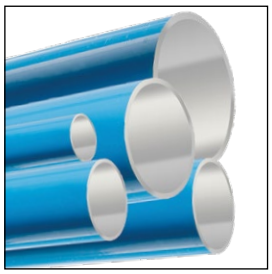


PIPE MARKING

O.D. (mm)	Material	Maximum working pressure (PSI)	Working temperature (°C/°F)	Norm	Lot number
TOPRING 22 MM	6063 T6 ALUMINUM	WP 217 PSI	-20 TO +80 °C	ASTM B221	#1234

ALUMINUM PIPES

PIPES



Product No	Pipe exterior diameter		Pipe length	
	mm	in	meter	feet
07.102	15	1/2	4	13
07.107	22	3/4	4	13
07.112	28	1	5.5	13
07.119	40	1-1/2	6	20
07.121	50	2	6	20
07.124	63	2-1/2	6	20

Material

Pipe: EN AW 6063 T6 anodized aluminum alloy extrusion

Specifications

Extrusion quality:
- Non-welded extrusion manufacturing process
- Calibrated pipe

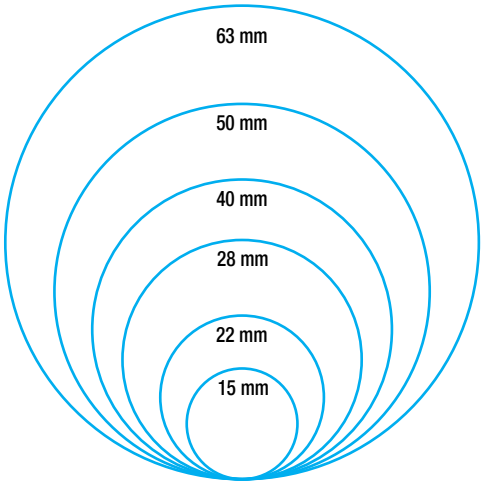
Color: • Blue – compressed air – RAL 5015

Maximum Working Pressure: 217 PSI (16 BAR)

Temperature Range: -20 to 80 °C

Fluids: Compressed air, vacuum, inert gases (nitrogen, CO_2, argon, etc.)

ACTUAL PIPE DIAMETERS



New packaging fully recyclable for tubes

Our team of engineers has implemented a new packaging method that is fully recyclable.

Eco-responsibility, waste reduction and local sourcing are part of our approach in this innovation process.



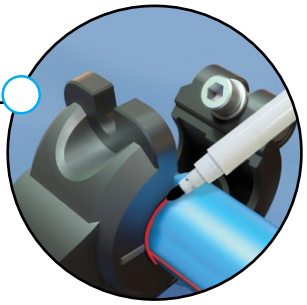
TAKE-OFF DROP COUPLINGS

Take-off drop couplings are used to install a downspout on a piping system for new or existing compressed air. They prevent water from the main line to infiltrate the drop legs.

UNIQUE FULL FLOW DIAMETER
For an optimized flow rate

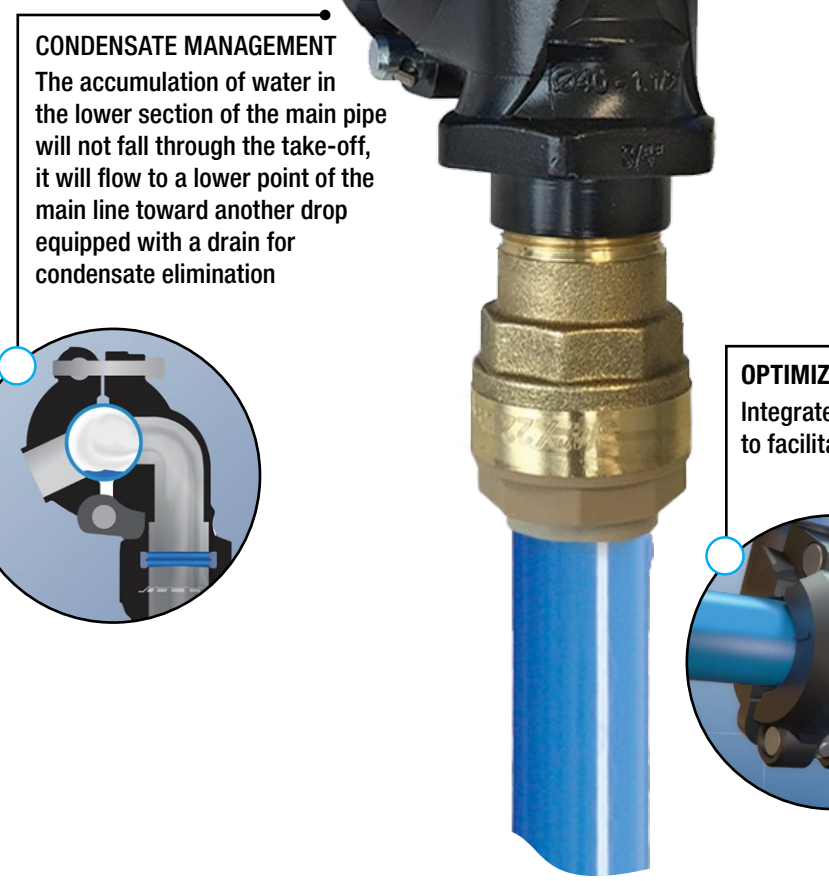
COMPACT
Body and nut entirely made from aluminum

VISUAL MARK
Engraved mark on drop coupling for pipe marking to help reposition the drop coupling to its original position on the pipe



V-SHAPE ANTI-ROTATION SYSTEM
Textured v-shaped marking integrated directly into the drop coupling prevents the rotation of the pipe during drilling operations



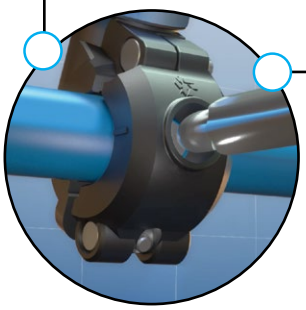


CONDENSATE MANAGEMENT
The accumulation of water in the lower section of the main pipe will not fall through the take-off, it will flow to a lower point of the main line toward another drop equipped with a drain for condensate elimination

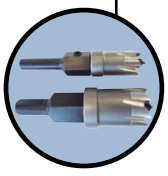


OPTIMIZED ALIGNMENT
Integrated alignment guide to facilitate drilling operations





PROPRIETARY DRILLING TOOLS
With a stop bumper to prevent accidental perforation of the pipe



TAKE-OFF DROP COUPLINGS

DROP COUPLING WITHOUT FITTING



Product No	Main pipe diameter		Thread (F) NPT
	mm	in	
08.028	40	1-1/2	1/2
08.029	40	1-1/2	3/4
08.030	40	1-1/2	1
08.033	50	2	1/2
08.034	50	2	3/4
08.035	50	2	1
08.038	63	2-1/2	1/2
08.039	63	2-1/2	3/4
08.040	63	2-1/2	1

STRAIGHT DROP COUPLING



Product No	Main pipe diameter		Thread (F) NPT
	mm	in	
08.716*	40	1-1/2	1/2
08.717*	40	1-1/2	3/4
08.718*	40	1-1/2	1
08.720*	50	2	1/2
08.721*	50	2	3/4
08.722*	50	2	1
08.724*	63	2-1/2	1/2
08.725*	63	2-1/2	3/4
08.726*	63	2-1/2	1
08.727*	63	2-1/2	1-1/4

DROP COUPLING WITH FITTING



Product No	Main pipe diameter		Drop leg pipe diameter	
	mm	in	mm	in
07.068	40	1-1/2	15	1/2
07.069	40	1-1/2	22	3/4
07.070	40	1-1/2	28	1
07.073	50	2	15	1/2
07.074	50	2	22	3/4
07.075	50	2	28	1
07.077	63	2-1/2	15	1/2
07.078	63	2-1/2	22	3/4
07.079	63	2-1/2	28	1

TECHNICAL SUPPORT

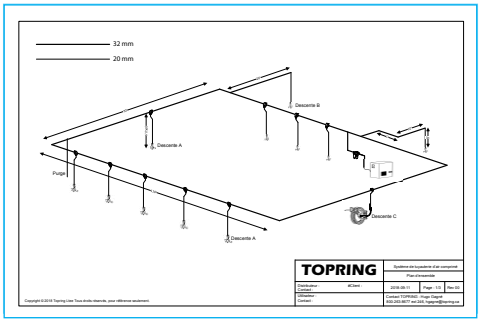
Whether you need technical support, design assistance or specific project guidances, our technical team is always available to help you with your compressed air piping system. You can reach us at 1-800-263-8677. You can also visit TOPRING.com to download our catalogue, installation guides, white papers and other useful tools for any compressed air piping system project.

AIR PIPING NETWORK DESIGN

We offer a wide range of services to help you design and select the right compressed air piping system.

Services include:

- An overall plan of your compressed air piping system to visualize your installation (Visio drawing).
- A detailed list of drops with the product references to visualize connectivity and facilitate assembly.
- Detailed quotes including product codes, quantities and pricing. Quotations also include product brochure with detailed technical specifications.



FITTINGS

QuickLINE fittings are entirely made of brass.

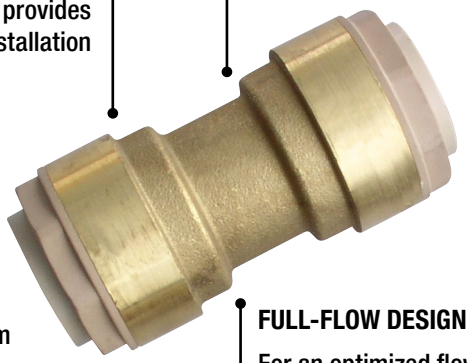
ASSEMBLY METHOD: PUSH-TO-CONNECT FITTINGS
FOR PIPES 15 • 22 • 28 mm

LEAKPROOF CONNECTION

No soldering, no threading, no sealing required

RESISTANCE UNDER PRESSURE

Very little expansion which provides a dimensionally stable installation



FULLY REUSABLE

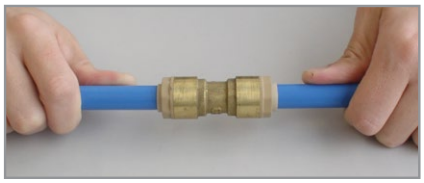
Fittings are easily removed and installed elsewhere when reorganizing the piping system

FULL-FLOW DESIGN

For an optimized flow rate

Materials

Body: Brass
Release Sleeve: Fiber-glass reinforced polyamide composite
Release Collar: Polyamide
Gripping Teeth: Stainless steel
Spacer: Acetal resin
Seal: Nitrile rubber



The push-to-connect fittings can also be installed on Series 5 AIR LINE nylon tubing.

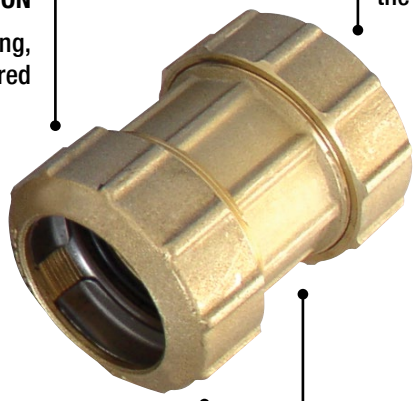
ASSEMBLY METHOD: SCREW-TYPE COMPRESSION
FOR PIPES 40 • 50 • 63 mm

QUICK AND EASY TO ASSEMBLE

Simply insert the pipe and tighten the screw-type compression fitting

LEAKPROOF CONNECTION

No soldering, no threading, no sealing required



DURABILITY

The fittings are robust and offer very good resistance to vibrations

FULL-FLOW DESIGN

For an optimized flow rate

REUSABLE

Only the internal ring needs to be replaced

Materials

Body: Brass
Compression Ring: Brass
Seal: Nitrile rubber
Spacer Ring: Stainless steel
Clamp Ring: Nickel plated brass



Screw-type compression fittings are easy to assemble with aluminum pipes

UNION CONNECTIONS

UNION



Product No	Pipe diameter mm	Pipe diameter in
07.300	15	1/2
07.305	22	3/4
07.310	28	1



Product No	Pipe diameter mm	Pipe diameter in
07.315	40	1-1/2
07.317	50	2
07.320	63	2-1/2

90° ELBOW UNION



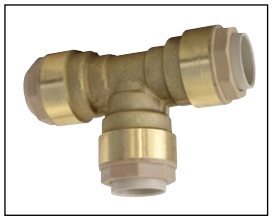
Product No	Pipe diameter mm	Pipe diameter in
07.260	15	1/2
07.265	22	3/4
07.270	28	1



Product No	Pipe diameter mm	Pipe diameter in
07.275	40	1-1/2
07.277	50	2
07.280	63	2-1/2

TEES

TEE UNION



Product No	Pipe diameter mm	Pipe diameter in
07.330	15	1/2
07.335	22	3/4
07.340	28	1



Product No	Pipe diameter mm	Pipe diameter in
07.345	40	1-1/2
07.342	50	2
07.350	63	2-1/2

FEMALE THREADED TEE



Product No	Pipe diameter mm	Pipe diameter in	Thread (F) BSPP
07.325	15	1/2	1/2
07.327	22	3/4	3/4
07.329	28	1	1



Product No	Pipe diameter mm	Pipe diameter in	Thread (F) BSPP
07.346	40	1-1/2	1-1/4
07.347	50	2	1-1/2
07.351	63	2-1/2	2

TEE REDUCER UNION



Product No	Main pipe diameter mm	Main pipe diameter in	Drop leg pipe diameter mm	Drop leg pipe diameter in
07.334	22	3/4	15	1/2
07.338	28	1	15	1/2
07.339	28	1	22	3/4



Product No	Main pipe diameter mm	Main pipe diameter in	Drop leg pipe diameter mm	Drop leg pipe diameter in
07.343	40	1-1/2	15	1/2
07.344	40	1-1/2	22	3/4
07.341	40	1-1/2	28	1
07.355	50	2	15	1/2
07.356	50	2	22	3/4
07.357	50	2	28	1
07.348	63	2-1/2	15	1/2
07.349	63	2-1/2	22	3/4

TEE WATER TRAPS

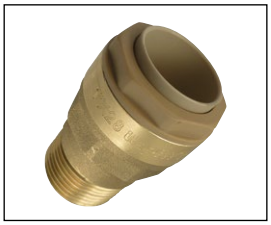
- Makes drop installation fast and easy
- Prevents water in the main line from getting into drops
- Allows installation of drops on new or existing compressed air networks



Product No	Main pipe diameter mm	Main pipe diameter in	Drop leg pipe diameter mm	Drop leg pipe diameter in
07.950	28	1	15	1/2
07.955	28	1	22	3/4
07.951	40	1-1/2	15	1/2
07.952	40	1-1/2	22	3/4
07.957	50	2	15	1/2
07.958	50	2	22	3/4
07.959	50	2	28	1
07.953	63	2-1/2	15	1/2
07.954	63	2-1/2	22	3/4
07.960	63	2-1/2	28	1

THREADED CONNECTORS

BSPT STRAIGHT MALE CONNECTOR

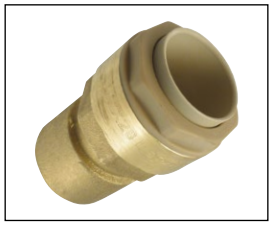


Product No	Pipe diameter		Thread (F) BSPT
	mm	in	
07.200	15	1/2	1/2
07.204	22	3/4	1/2
07.205	22	3/4	3/4
07.210	28	1	1

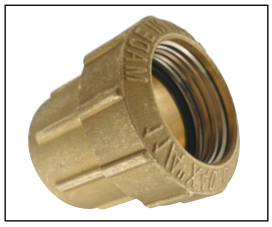


Product No	Pipe diameter		Thread (F) BSPT
	mm	in	
07.215	40	1-1/2	1-1/4
07.217	50	2	1-1/2
07.220	63	2-1/2	2

BSPP STRAIGHT FEMALE CONNECTOR

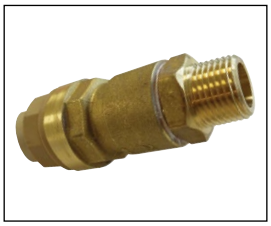


Product No	Pipe diameter		Thread (F) BSPP
	mm	in	
07.230	15	1/2	1/2
07.234	22	3/4	1/2
07.235	22	3/4	3/4
07.240	28	1	1

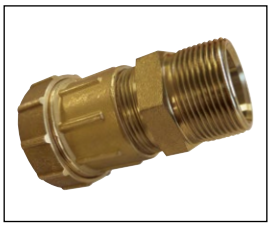


Product No	Pipe diameter		Thread (F) BSPP
	mm	in	
07.245	40	1-1/2	1-1/4
07.247	50	2	1-1/2
07.250	63	2-1/2	2

NPT STRAIGHT MALE CONNECTOR

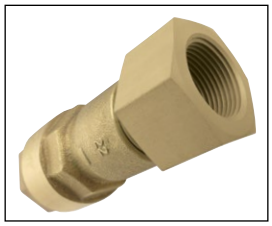


Product No	Pipe diameter		Thread (F) NPT
	mm	in	
07.222	15	1/2	1/2
07.223	22	3/4	1/2
07.224	22	3/4	3/4
07.225	28	1	1



Product No	Pipe diameter		Thread (F) NPT
	mm	in	
07.226	40	1-1/2	1-1/4
07.227	50	2	1-1/2
07.228	63	2-1/2	2
07.229	63	2-1/2	1-1/2

NPT STRAIGHT FEMALE CONNECTOR



Product No	Pipe diameter		Thread (F) NPT
	mm	in	
07.252	15	1/2	1/2
07.254	22	3/4	3/4
07.255	28	1	1

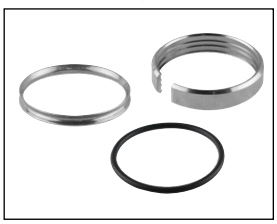
OTHERS

FEMALE BACKPLATE ELBOW



Product No	Pipe diameter		Thread (F) BSPT
	mm	in	
07.291	15	1/2	1/2

SPACER RING, CLAMP RING, O-RING

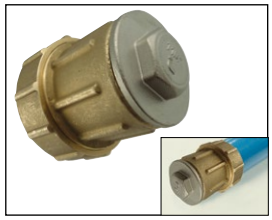


Product No	Pipe diameter	
	mm	in
07.580	40	1-1/2
07.584	50	2
07.585	63	2-1/2

PLUGS / END CAPS

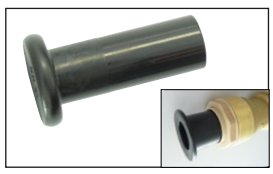


Product No	Pipe diameter	
	mm	in
07.360	15	1/2
07.365	22	34
07.370	28	1



Product No	Pipe diameter	
	mm	in
07.375	40	1-1/2
07.376	50	2
07.380	63	2-1/2

POLYAMIDE PLUG



Product No	Pipe diameter	
	mm	in
07.367	22	3/4
07.372	28	1

DRAINS

MANUAL DRAIN



Product No	Pipe diameter	
	mm	in
07.600	15	1/2
07.605	22	3/4

Includes: Brass ball valve, 20 or 25 mm fitting, 3/8 x 12 in (30.5 cm) THERMOFLEX hose with hose barb and hose clamp

HIFLO AUTOMATIC DRAIN



Product No	Pipe diameter	
	mm	in
07.601	15	1/2
07.606	22	3/4

Includes: 114 ml liquid capacity drain, ball valve, Y strainer, and 20 or 25 mm fitting

MAXDRAIN AUTOMATIC DRAIN

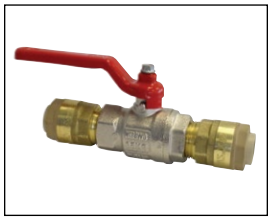


Product No	Pipe diameter	
	mm	in
07.602	15	1/2
07.607	22	3/4

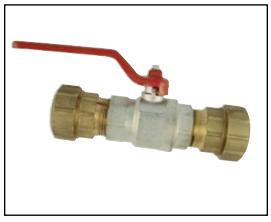
Includes: 400 ml liquid capacity drain and 15 or 22 mm fitting

BALL VALVES AND SAFETY EXHAUST VALVES

STANDARD BALL VALVE

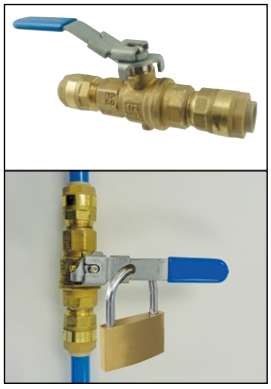


Product No	Pipe diameter	
	mm	in
07.400	15	1/2
07.405	22	1/2
07.410	28	1



Product No	Pipe diameter	
	mm	in
07.415	40	1-1/2
07.417	50	2
07.420	63	2-1/2

LOCK-OUT SAFETY EXHAUST BALL VALVE



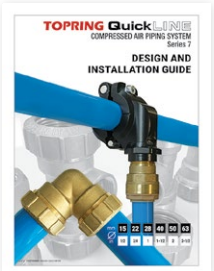
Product No	Pipe diameter	
	mm	in
07.401	15	1/2
07.406	22	1/2
07.411	28	1

DESIGN AND INSTALLATION GUIDE

The Design and Installation Guide for the QuickLine Compressed Air Piping System contains technical information explaining the installation and assembly steps of the various system components and relevant information to properly plan and design an optimal compressed air network.

Product No	Description
96.610	QuickLINE S07 design and installation guide - French version
96.612	QuickLINE S07 design and installation guide - English version

Documents available at **TOPRING**.com



For an overview of the tube diameter needed for a compressed air network, see the guide on the last pages.

2 tables are available depending on the type of network desired, closed loop or linear. For more details, refer to the design and installation guide.

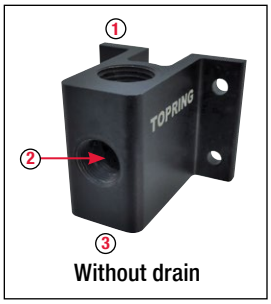
Minimum diameter pipe sizing for a closed loop network

TOTAL LENGTH (FEET)

TOTAL FLOW REQUIRED SCFM	100'	150'	200'	250'	300'	400'	500'	600'	700'	800'	900'	1000'	1250'	1500'	2000'
5	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
10	15	15	15	15	15	15	15	15	15	15	15	15	22	22	22
15	15	15	15	15	15	15	15	22	22	22	22	22	22	22	22
20	15	15	15	15	15	22	22	22	22	22	22	22	22	22	22
30	15	22	22	22	22	22	22	22	22	22	22	22	22	22	28
40	22	22	22	22	22	22	22	22	22	22	28	28	28	28	28
60	22	22	22	22	22	28	28	28	28	28	28	28	28	28	40
80	22	22	22	28	28	28	28	28	28	28	40	40	40	40	40
100	22	28	28	28	28	28	28	28	40	40	40	40	40	40	40
125	28	28	28	28	28	40	40	40	40	40	40	40	40	40	40
150	28	28	28	28	40	40	40	40	40	40	40	40	40	40	40
200	28	28	40	40	40	40	40	40	40	40	40	40	50	50	50
300	40	40	40	40	40	40	40	50	50	50	50	50	50	50	63
400	40	40	40	40	40	50	50	50	50	50	50	63	63	63	63
500	40	40	50	50	50	50	50	50	63	63	63	63	63	63	63
750	50	50	50	50	63	63	63	63	63	63	63	63			
1000	50	50	63	63	63	63	63								
1500	63	63	63	63											

1 OUTLET ANODISED ALUMINUM MANIFOLDS

MANIFOLD



Without drain

Product No	Inlet (F) BSPP ①	Outlet (F) NPT ②	Outlet (F) NPT ③
47.605	1/2	3/8	1/4

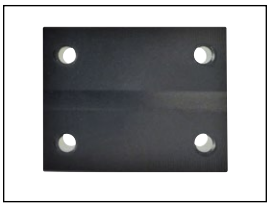


Product No	Inlet (F) BSPP ①	Outlet (F) NPT ②
47.606	1/2	3/8



Product No	Pipe diameter ①		Outlet (F) NPT ②
	mm	in	
07.450	15	1/2	3/8
07.452	22	3/4	3/8

SPACER FOR 1 OUTLET MANIFOLD



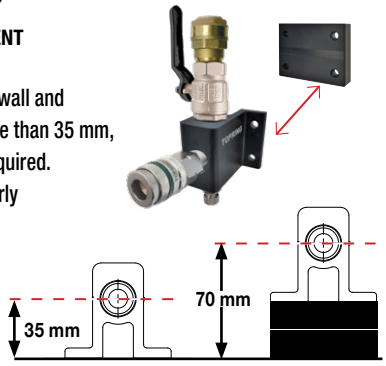
Product No	Thickness
47.596	18 mm

Installation requires screws #10

INSTALLATION TIP

FOR AN OPTIMAL ALIGNMENT WITH DROP LEG

If the distance between the wall and the center of the pipe is more than 35 mm, manifold spacers may be required. The manifold must be properly aligned with the drop leg.



MANIFOLD / 1 QUICK COUPLER



Product No	Pipe diameter		Quick Coupler
	mm	in	
07.457	15	1/2	QUIKSILVER 1/4 INDUSTRIAL
07.460	22	3/4	



Product No	Pipe diameter		Quick Coupler
	mm	in	
07.457.02	15	1/2	QUIKSILVER ULTRAFLO
07.460.02	22	3/4	



Product No	Pipe diameter		Quick Coupler
	mm	in	
07.457.03	15	1/2	TOPQUIK 1/4 INDUSTRIAL
07.460.03	22	3/4	



Product No	Pipe diameter		Quick Coupler
	mm	in	
07.457.04	15	1/2	TOPQUIK ULTRAFLO
07.460.04	22	3/4	



Product No	Pipe diameter		Quick Coupler
	mm	in	
07.457.05	15	1/2	TOPQUIK S1 1/4 INDUSTRIAL
07.460.05	22	3/4	



Product No	Pipe diameter		Quick Coupler
	mm	in	
07.457.07	15	1/2	TOPQUIK S1 ULTRAFLO
07.460.07	22	3/4	

2 OUTLET ANODISED ALUMINUM MANIFOLDS

MANIFOLD / 2 OR 3 OUTLETS



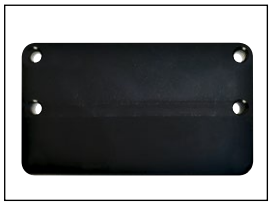
Product No	Inlet (F) BSPP ①	Outlet (F) NPT ②	Outlet (F) NPT ③
47.640	1/2	1/2 (2/3x)	1/4
47.645	3/4	1/2 (2/3x)	1/4



Product No	Inlet (F) BSPP ①	Outlet (F) NPT ②
47.641	1/2	1/2 (2/3x)
47.646	3/4	1/2 (2/3x)



Product No	Pipe diameter ① mm	Pipe diameter ① in	Outlet (F) NPT ②
07.470	15	1/2	1/2 (2/3x)
07.475	22	3/4	1/2 (2/3x)
07.477	28	1	1/2 (2/3x)



Product No	Thickness
47.598	18 mm

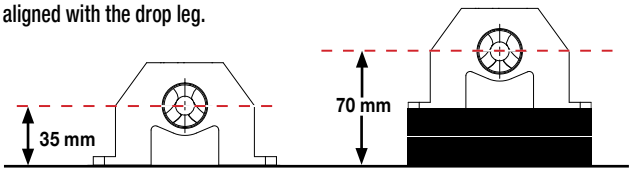
Installation requires screws #10

INSTALLATION TIP

FOR AN OPTIMAL ALIGNMENT WITH DROP LEG

If the distance between the wall and the center of the pipe is more than 35 mm, manifold spacers may be required. The manifold must be properly aligned with the drop leg.





MANIFOLD / 2 QUICK COUPLERS



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.463	15	1/2	QUIKSILVER 1/4 INDUSTRIAL (2x)
07.464	22	3/4	
07.469	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.463.02	15	1/2	QUIKSILVER ULTRAFLO (2x)
07.464.02	22	3/4	
07.469.02	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.463.03	15	1/2	TOPQUIK 1/4 INDUSTRIAL (2x)
07.464.03	22	3/4	
07.469.03	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.463.04	15	1/2	TOPQUIK ULTRAFLO (2x)
07.464.04	22	3/4	
07.469.04	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.463.05	15	1/2	TOPQUIK S1 1/4 INDUSTRIAL (2x)
07.464.05	22	3/4	
07.469.05	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.463.07	15	1/2	TOPQUIK S1 ULTRAFLO (2x)
07.464.07	22	3/4	
07.469.07	28	1	

3 OUTLET ANODISED ALUMINUM MANIFOLDS



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.481	15	1/2	QUIKSILVER 1/4 INDUSTRIAL (3x)
07.482	22	3/4	
07.488	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.481.02	15	1/2	QUIKSILVER ULTRAFLO (3x)
07.482.02	22	3/4	
07.488.02	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.481.03	15	1/2	TOPQUIK 1/4 INDUSTRIAL (3x)
07.482.03	22	3/4	
07.488.03	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.481.04	15	1/2	TOPQUIK ULTRAFLO (3x)
07.482.04	22	3/4	
07.488.04	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.481.05	15	1/2	TOPQUIK S1 1/4 INDUSTRIAL (3x)
07.482.05	22	3/4	
07.488.05	28	1	



Product No	Pipe diameter mm	Pipe diameter in	Quick Coupler
07.481.07	15	1/2	TOPQUIK S1 ULTRAFLO (3x)
07.482.07	22	3/4	
07.488.07	28	1	

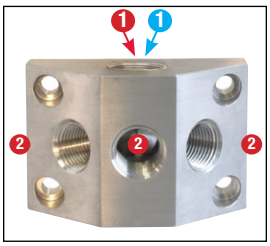
2 OR 3 OUTLET ALUMINUM MANIFOLDS

- Provide a convenient junction point for compressed air distribution systems requiring multiple connections
- Universal manifold with 3 outlets

Specifications

Maximum Working Pressure: 300 PSI

Working Temperature: -20 to 60 °C



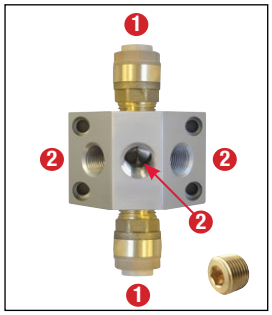
Product No	Inlet / Outlet 1 (F) NPT	Outlet 2 (F) NPT
47.300	1/2	1/4

Product No	Inlet / Outlet 1 (F) BSPP	Outlet 2 (F) NPT
47.307	3/4	3/8
47.310	3/4	1/2
47.320	1	1/2

Installation requires screws # 10



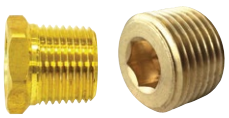
Product No	Pipe diameter 1 mm	Pipe diameter 1 in	Outlet 2 (F) NPT
07.441	15	1/2	1/4
07.492	15	1/2	3/8
07.496	22	3/4	3/8
07.445	28	1	1/2



Product No	Pipe diameter 1 mm	Pipe diameter 1 in	Outlet 2 (F) NPT
07.493	15	1/2	1/4
07.497	22	3/4	3/8
07.446	28	1	3/8

INSTALLATION TIP

Manifolds can be quickly and easily modified by using reducing bushings and caps (see Series 41)



QUICK COUPLERS FEATURES

QUIKSILVER

- Deliver high air volume with low pressure drop
- Automatic push-to-connect operation
- Easy to connect, even under pressure



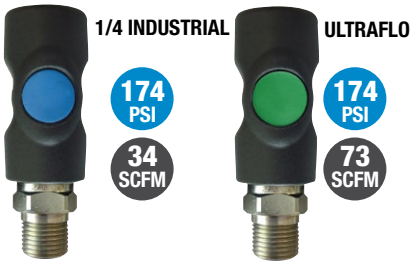
TOPQUIK

- Provides superior tool performance
- 2-step safe disconnection: downstream pressure automatically vented for easy disconnection at zero pressure



TOPQUIK S1

- Superior quality • ATEX certified
- Safe disconnection in a single push: downstream pressure automatically vented for easy disconnection at zero pressure



MOUNTING ACCESSORIES

MOUNTING CLIP



For 15 to 28 mm pipes

Product No	Pipe diameter	
	mm	in
07.500	15	1/2
07.505	22	3/4
07.510	28	1

Ouverture de 5.2 mm / Vis #14

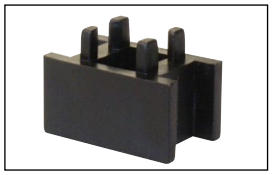


For 40 to 63 mm pipes

Product No	Pipe diameter	
	mm	in
07.591	40	1-1/2
07.593	50	2
07.595	63	2-1/2

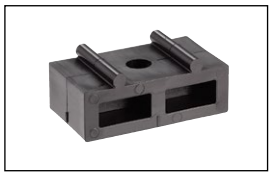
Note: Integrated nut for ceiling installation with threaded rod 3/8 UNC

CLIP SPACER



For 15 to 28 mm pipes

Product No	Thickness (mm)
07.512	12.7



For 40 to 63 mm pipes

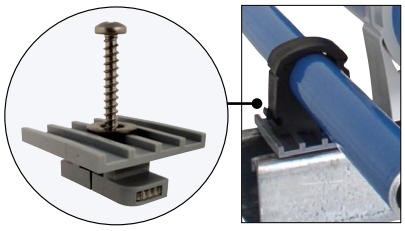
Product No	Thickness (mm)
07.599	20

INSTALLATION TIP

The clip spacer compensate for the eight difference created by connecting pipes of different diameters. The clip spacer ensures a perfect aligment.

STRUT CHANNEL ADAPTER KIT FOR MOUNTING CLIP

For installation on 1-5/8 x 1-5/8 in standard strut channel

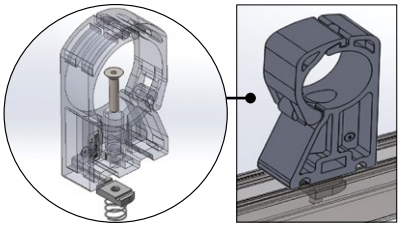


Product No	Pipe diameter	
	mm	in
07.540	15 • 22 • 28	1/2 • 3/4 • 1

Kit 07.540 includes:

- 1 strut catcher
- 1 flat washer
- 1 x 316 stainless steel screw

For installation on 1-5/8 x 1-5/8 in slotted strut channel

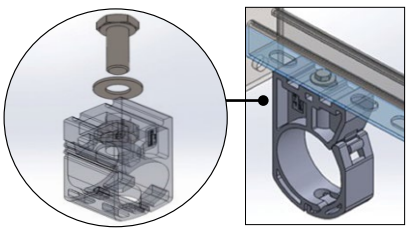


Product No	Pipe diameter	
	mm	in
07.557	40 • 50 • 63	1-1/4 • 1-1/2 • 2

Kit 07.557 includes:

- 1 sping nut
- 1 flat head Phillips screw 1/4

For installation on 1-5/8 x 1-5/8 in slotted strut channel



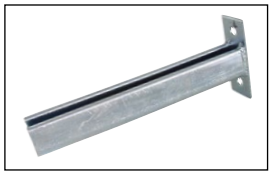
Product No	Pipe diameter	
	mm	in
07.556	40 • 50 • 63	1-1/4 • 1-1/2 • 2

Kit 07.556 includes:

- 1 flat washer
- 1 hex cap screw 3/8 UNC

MOUNTING ACCESSORIES

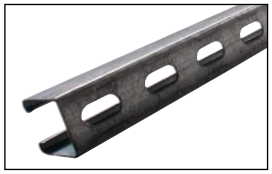
CANTILEVER ARM • 1-5/8 X 1-5/8 IN



Product No	Length / in
07.550	6
07.551	12

For wall mounting

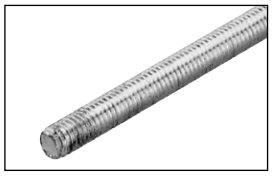
STRUT CHANNEL • 1-5/8 X 1-5/8 IN



Product No	Length / in
07.555	10

For ceiling mounting

THREADED ROD • 10 FT



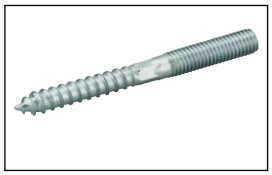
Product No	Thread UNC
07.526	3/8 - 16
07.541	1/2 - 13

COUPLING NUT



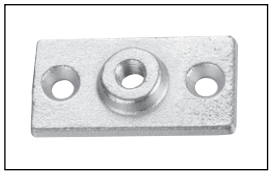
Product No	Thread UNC
07.528	3/8 - 16
07.542	1/2 - 13

SCREW



Product No	Thread UNC
07.529	3/8 - 16
07.543	1/2 - 13

CEILING FLANGE



Product No	Thread UNC
07.553	3/8 - 16
07.554	1/2 - 13

DISMANTLING CLIP



Product No	Pipe diameter	
	mm	in
07.560	15	1/2
07.561	22	3/4
07.562	28	1

SWIVEL LOOP HANGER



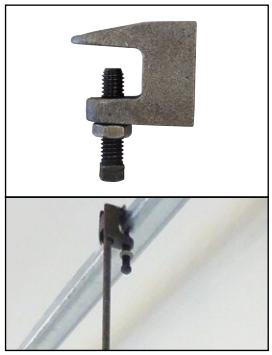
Product No	Pipe diameter		Thread UNC
	mm	in	
07.508	28	1	3/8 - 16
07.518	40	1-1/2	3/8 - 16
07.520	50	2	3/8 - 16
07.525	63	2-1/2	3/8 - 16

SUSPENSION PIPE CLIP



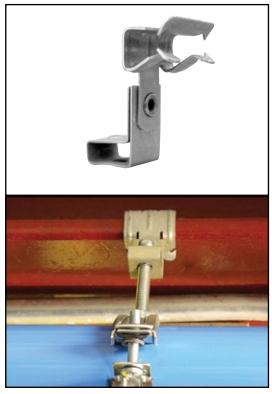
Product No	Pipe diameter		Thread UNC
	mm	in	
07.507	28	1	3/8 - 16
07.517	40	1-1/2	3/8 - 16
07.521	50	2	3/8 - 16
07.522	63	2-1/2	3/8 - 16
07.522.01	63	2-1/2	1/2 - 13

I-BEAM CLAMP • 3/8 UNC



Product No	Beam Thickness (in)	Thread UNC
07.535	3/4	3/8 - 16
07.535.01	3/4	1/2 - 13

I-BEAM MOUNTING CLIP



Product No	Beam Thickness (in)	Thread UNC
07.530	1/8 - 1/4	3/8 - 16
07.531	3/8 - 1/2	3/8 - 16
07.532	1/2 - 3/4	3/8 - 16

PRACTICAL TOOLS

PIPE CUTTER

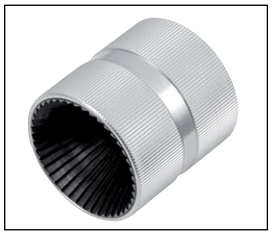


Product No	Pipe diameter	
	mm	in
07.566	3 to 30	1/8 to 1-1/8
07.567	Replacement blade for 07.566	
07.568	6 to 64	1/4 to 2-1/2
07.569	Replacement blade for 07.568	
07.558	50 to 140	2 to 5-1/2
07.559	Replacement blade for 07.558	

CHAMFER TOOL



Product No	Pipe diameter	
	mm	in
07.570	3 to 35	1/8 to 1-3/8



Product No	Pipe diameter	
	mm	in
07.574	15 to 50	1/2 to 2

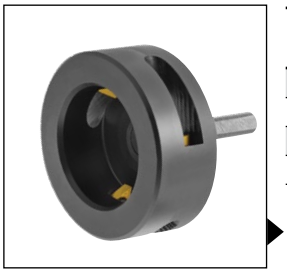


Product No	Pipe diameter	
	mm	in
07.579	63 to 100	2-1/2 to 4

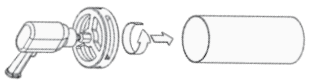
CHAMFER TOOL FOR DRILL



Product No	Pipe diameter	
	mm	in
07.610	16 to 50	1/2 to 2



Product No	Pipe diameter	
	mm	in
07.615	28	1
07.616	40	1-1/2
07.617	50	2
07.618	63	2-1/2



DEBURRING TOOL



Product No	Description
07.571	Deburring tool
07.572	Replacement blades (x2)

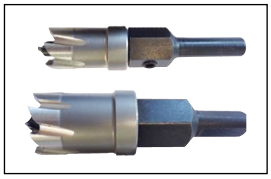
GEL FOR ASSEMBLY



Product No	Description
08.579	200 ml

- Integrated brush easy to use
- Facilitates pipe and fitting connection without any drip
- NSF H1 certified for the food industry

DRILLING BIT



Product No	Drilling diameter		Size	
	mm	in	mm	in
08.575	15	1/2	22 to 28	3/4 / 1
08.576	22	55 / 64	40 / 50	1-1/2 / 2
08.577	30	1-3 / 16	63	2-1/2

- For the installation of take-off drop couplings
- Integrated stop bumper to prevent a complete perforation of the pipe

GUIDE TO DETERMINE THE MINIMUM DIAMETER PIPE SIZING FOR A COMPRESSED AIR NETWORK

1. Identify the type of network: closed loop or dead-end
2. Calculate the total length of the line (feet)
3. Determine the total flow required (SCFM)
4. Use the charts below in order to identify the proper diameter size

Note

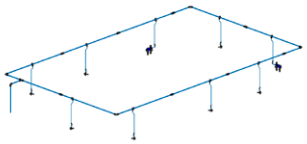
Total flow required takes account of all flows for all compressed air powered tools and equipment. Typical compressor will produce approximately 4 SCFM per HP

Minimum diameter pipe sizing for a closed loop network

TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED SCFM

SCFM \ FEET	100'	150'	200'	250'	300'	400'	500'	600'	700'	800'	900'	1000'	1250'	1500'	2000'
5	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
10	15	15	15	15	15	15	15	15	15	15	15	15	22	22	22
15	15	15	15	15	15	15	15	22	22	22	22	22	22	22	22
20	15	15	15	15	15	22	22	22	22	22	22	22	22	22	22
30	15	22	22	22	22	22	22	22	22	22	22	22	22	22	28
40	22	22	22	22	22	22	22	22	22	22	28	28	28	28	28
60	22	22	22	22	22	28	28	28	28	28	28	28	28	28	40
80	22	22	22	28	28	28	28	28	28	28	28	40	40	40	40
100	22	28	28	28	28	28	28	28	40	40	40	40	40	40	40
125	28	28	28	28	28	40	40	40	40	40	40	40	40	40	40
150	28	28	28	28	40	40	40	40	40	40	40	40	40	40	40
200	28	28	40	40	40	40	40	40	40	40	40	40	50	50	50
300	40	40	40	40	40	40	40	50	50	50	50	50	50	50	63
400	40	40	40	40	40	50	50	50	50	50	50	63	63	63	63
500	40	40	50	50	50	50	50	50	63	63	63	63	63	63	63
750	50	50	50	50	63	63	63	63	63	63	63	63			
1000	50	50	63	63	63	63	63								
1500	63	63	63	63											

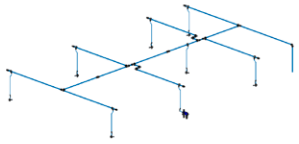


Minimum pipe diameter required for a linear system (dead-end)

TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED SCFM

SCFM \ FEET	25'	50'	75'	100'	150'	200'	250'	300'	400'	500'	600'	700'	800'	900'	1000'
5	15	15	15	15	15	15	15	15	15	15	15	22	22	22	22
10	15	15	15	15	15	22	22	22	22	22	22	22	22	22	22
15	15	15	22	22	22	22	22	22	22	22	22	22	28	28	28
20	15	22	22	22	22	22	22	22	22	28	28	28	28	28	28
30	22	22	22	22	22	28	28	28	28	28	28	28	28	40	40
40	22	22	22	22	28	28	28	28	28	40	40	40	40	40	40
60	22	28	28	28	28	28	40	40	40	40	40	40	40	40	40
80	22	28	28	28	40	40	40	40	40	40	40	40	40	40	50
100	28	28	28	40	40	40	40	40	40	40	40	50	50	50	50
125	28	40	40	40	40	40	40	40	50	50	50	50	50	50	50
150	28	40	40	40	40	40	40	50	50	50	50	50	50	63	63
200	40	40	40	40	40	50	50	50	50	63	63	63	63	63	63
300	40	40	50	50	50	50	63	63	63	63	63	63	63		
400	40	50	50	50	63	63	63	63	63						
500	50	50	50	63	63	63	63								
750	50	63	63	63											
1000	63	63													
1500	63														

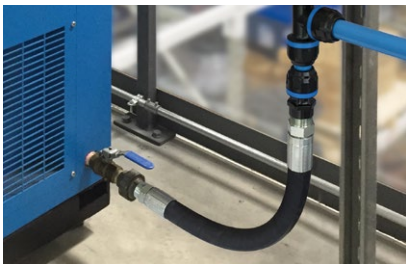


Note: Diameters are based on the CAGI Handbook's recommendations for pressure drop less than 3 PSI, with the following conditions: pressure 100 psig at 20 degrees C, main loop including 2 valves and 4 elbows

FLEXIBLE ANTI-VIBRATION HOSES

- Designed for bypassing obstacles or overcoming misalignments of piping system
- Ideal for connecting a compressor outlet to the piping system





STANDARD RUBBER

Length 24 in	Length 48 in	Fittings (M) NPT	Hose I.D. in	Minimum Bend Radius (in)
Product No				
07.800	**07.810**	1/2	1/2	3-1/2
07.801	**07.811**	3/4	3/4	4-3/4
07.802	**07.812**	1	1	6
07.803	**07.813**	1-1/4	1-1/4	8-1/4
07.804	**07.814**	1-1/2	1-1/2	10
07.805	**07.815**	2	2	12-1/2

Materials
Cover: Oil-resistant synthetic rubber
Inner Hose: Oil and heat-resistant rubber
Reinforcement: Steel wire

Specifications
Working temperature: -40 to 100 °C
Maximum working pressure: 500 PSI

CRN APPROVED RUBBER

CRN CANADIAN REGISTRATION NUMBER

Length 24 in	Length 48 in	Fittings (M) NPT	Hose I.D. in	Minimum Bend Radius (in)	Steel Wire
Product No					
07.820	**07.830**	1/2	1/2	3-1/2	One-braid
07.821	**07.831**	3/4	3/4	4-3/4	Two-braid
07.822	**07.832**	1	1	6	Two-braid
07.823	**07.833**	1-1/4	1-1/4	8-1/4	Four-spiral
07.824	**07.834**	1-1/2	1-1/2	10	Four-spiral
07.825	**07.835**	2	2	12-1/2	Four-spiral

Materials
Cover: Abrasion resistant synthetic rubber
Inner hose: Synthetic rubber
Reinforcement: High tensile steel wire

Specifications
Working temperature: -40 to 125 °C
Maximum working pressure: 3000 PSI



HIGH TEMPERATURE STAINLESS STEEL 12 INCHES

Product No	Fittings (M) NPT	Hose I.D. in	Length (in)	Maximum Misalignment (in)		Maximum Working Pressure PSI at 21 °C
07.840	1/2	1/2	12	1.240	5/8	1225
07.841	3/4	3/4		1.104	1/2	1034
07.842	1	1		0.920	7/16	796
07.843	1-1/4	1-1/4		0.490	1/4	600
07.844	1-1/2	1-1/2		0.427	1/4	557
07.845	2	2		0.399	3/16	570

HIGH TEMPERATURE STAINLESS STEEL 24 INCHES

Product No	Fittings (M) NPT	Hose I.D. in	Length (in)	Maximum Misalignment (in)		Maximum Working Pressure PSI at 21 °C
07.850	1/2	1/2	24	1.65	3-5/8	1225
07.851	3/4	3/4		1.650	3	1034
07.852	1	1		1.880	2-5/8	796
07.853	1-1/4	1-1/4		2.55	2	600
07.854	1-1/2	1-1/2		2.94	1-3/4	557
07.855	2	2		3.14	1-7/16	570

- Flexible and corrugated designed to minimize vibration and heat coming from the compressor
- Meets ISO 10380 specifications

Materials
Hose and Braid: Stainless steel
Fitting: Steel
(Stainless steel available upon request)

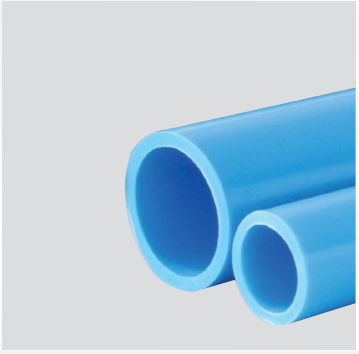
Specifications
Working temperature: -40 to 250 °C

CAUTION

An anti-vibration hose must always be installed between the compressor and the air piping system to protect the system from vibrations and expansion forces.

NOTES

AIR LINE
Compressed air piping system



Group 2 • Series 05

TOPRING
Compressed air solutions

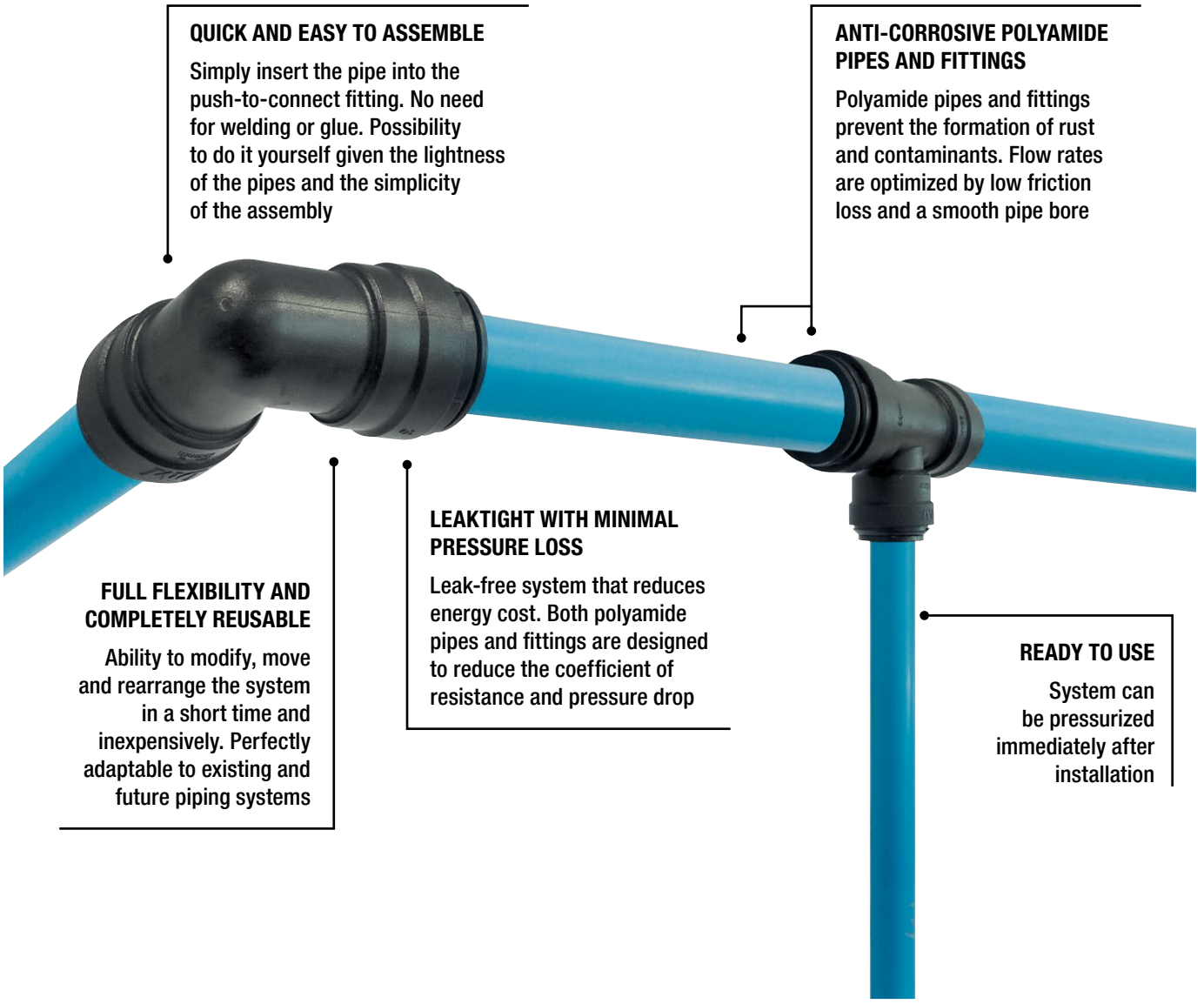
AIR LINE
COMPRESSED AIR PIPING SYSTEM

ANTI-CORROSION AND EASY TO INSTALL SOLUTION

The AIR LINE compressed air piping system consists of lightweight, corrosion-resistant polyamide pipes and push-to-connect fittings. It is quick and easy to install and can be pressurized immediately. The system is easily adaptable to meet future needs and expansions.

The AIR LINE system ensures:

- Full flexibility and complete scalable adaptability to existing and future installations
- Leaktight system and optimized flow rate
- Clean, high-quality air



AIR LINE
COMPRESSED AIR PIPING SYSTEM

CERTIFICATIONS

Fire resistance standard

Series 5 AIR LINE pipes (only) are UL94 V2 certified for fire resistance all over Canada

Specifications

Maximum Working Pressure:
- 145 PSI at 23 °C
- 100 PSI at 70 °C

Working Temperature:
0 to 70 °C

Fluids:
Compressed air and nitrogen

CAUTION

Installation of a AIR LINE compressed air piping system must be made according to the assembly instructions as indicated in the installation guide. Carefully read the design and installation guides prior to proceeding (available on **TOPRING**.com).

DESIGN AND INSTALLATION GUIDES

Download the design and installation guide of the AIR LINE Series for important info on system configurations, design and installation.

Available on **TOPRING**.com in the "Piping Systems" section.

Product No	Description
96.602	AIRLINE Design Guide S05 French
96.603	AIRLINE Design Guide S05 English
96.720	AIRLINE Installation Guide S05 French
96.721	AIRLINE Installation Guide S05 English



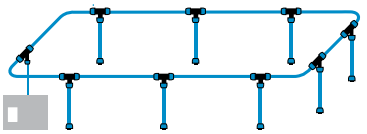


GUIDE TO DETERMINE THE MINIMUM DIAMETER PIPE SIZING FOR A COMPRESSED AIR NETWORK

1. Identify network type: closed loop or dead end
2. Calculate total length of the network (feet)
3. Determine total flow required (SCFM)
4. Use the charts below in order to identify the proper diameter size

- Calculations based on total maximum pressure drop (△P) of no more than 3 PSIG for the entire network, at 100 PSIG at 15.5 °C
- Total flow required takes account of all flows for all compressed air powered tools and equipment
- Note that a typical compressor will produce approximately 4 SCFM per HP

Minimum diameter pipe sizing for a closed loop network

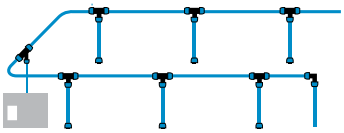


TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED

SCFM \ FEET	100'	150'	200'	250'	300'	400'	500'	600'	700'	800'	900'	1000'	1250'	1500'	2000'
5	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
10	15	15	15	15	15	15	15	15	15	15	15	15	22	22	22
15	15	15	15	15	15	15	15	22	22	22	22	22	22	22	22
20	15	15	15	15	15	22	22	22	22	22	22	22	22	22	22
30	15	22	22	22	22	22	22	22	22	22	22	22	28	28	28
40	22	22	22	22	22	22	22	22	28	28	28	28	28	28	28
60	22	22	22	22	28	28	28	28	28	28	28	28	28	28	
80	22	22	28	28	28	28	28	28	28	28	28				
100	22	28	28	28	28	28	28	28							
125	28	28	28	28	28										
150	28	28	28	28											
200	28	28													

Minimum diameter pipe sizing for a dead end network



TOTAL LENGTH OF THE NETWORK (FEET)

TOTAL FLOW REQUIRED

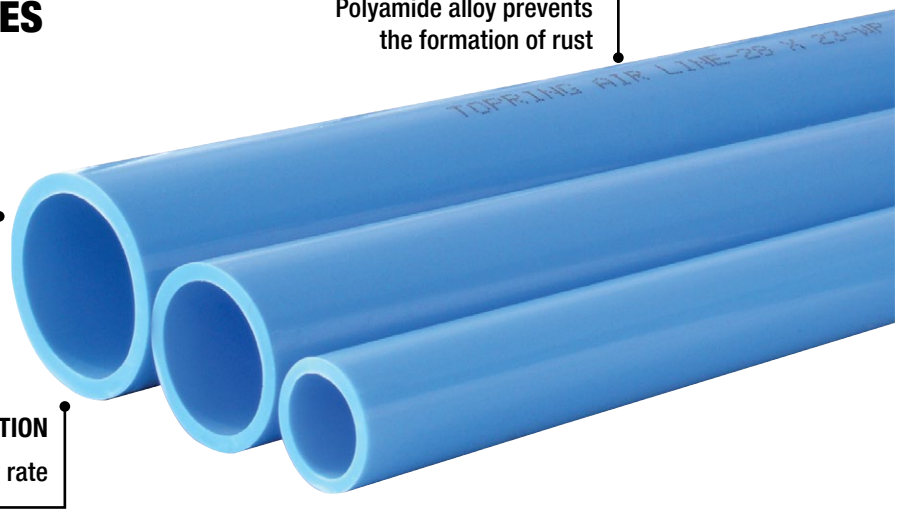
SCFM \ FEET	25'	50'	75'	100'	150'	200'	250'	300'	400'	500'	600'	700'	800'	900'	1000'
5	15	15	15	15	15	15	15	15	15	15	15	22	22	22	22
10	15	15	15	15	15	22	22	22	22	22	22	22	22	22	22
15	15	15	22	22	22	22	22	22	22	22	28	28	28	28	28
20	15	22	22	22	22	22	22	22	28	28	28	28	28	28	28
30	22	22	22	22	28	28	28	28	28	28	28	28	28		
40	22	22	22	28	28	28	28	28	28						
60	22	28	28	28	28	28									
80	28	28	28	28											
100	28	28	28												
125	28														
150	28														
200	---														

AIR LINE

SEMI-RIGID POLYAMIDE PIPES

The AIR LINE piping system is lightweight, corrosion resistant and easy to install.

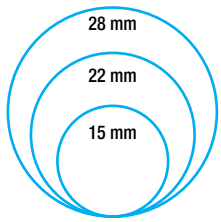
CORROSION RESISTANT
Polyamide alloy prevents the formation of rust



LIGHTWEIGHT
Easy handling

LOW FRICTION
Smooth internal surface ensures high flow rate

Product Not	Pipe O.D.	Length m	Length ft
05.042	15	4	13
05.062	22	4	13
05.072	28	4	13



PIPES DIAMETER

Material

Pipe: Polyamide 12 (PA12) – self extinguishing

Specifications

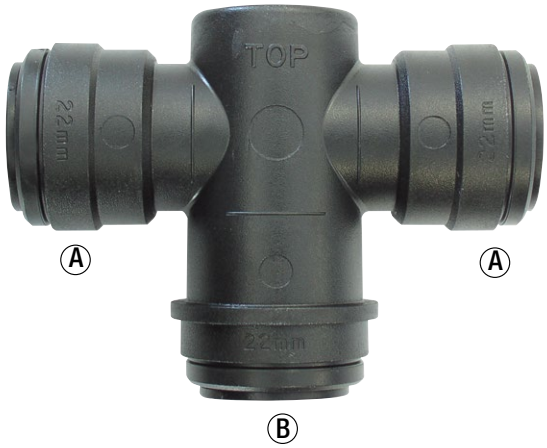
Extrusion Quality: Calibrated pipe for leakproof connections

Available Diameters O.D. (I.D.): 15 (14), 22 (18) and 28 (24) mm

Available Lengths: 4 meters /13 feet

WATER TRAP TEES

Quick and easy to assemble with polyamide pipes



Materials

Body: Black acetal copolymer
Seal: Nitrile rubber
Clamp: Black acetal copolymer
Gripping Teeth: Stainless steel

HOW IT WORKS

Condensates remain in the main line.

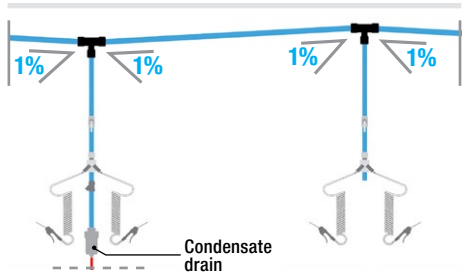
Only compressed air can go into the drop.



Product No	Pipe Ⓐ mm	Pipe Ⓑ mm
05.079	22	15
05.080	22	22
05.085	28	28

INSTALLATION TIP

All horizontal pipes most have a 1% slope towards drainage points at different locations (manual or automatic drains installed as low as possible).



AIR LINE

PUSH-TO-CONNECT FITTINGS FOR PIPES ○ 15, 22 AND 28 mm

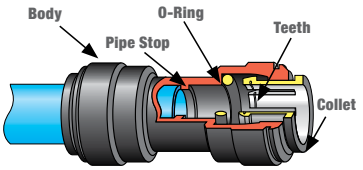
- Full-flow design for optimized airflow
- **Leakproof connection,** no soldering, no threading, no sealing required
- Fully reusable: fittings easy to remove and install elsewhere when reorganizing the piping system

Materials

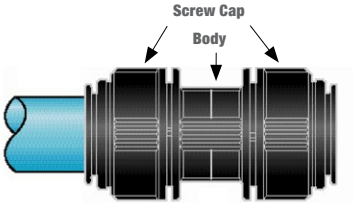
Body: Black acetal copolymer
Seal: Nitrile rubber
Clamp: Black acetal copolymer
Screw Cap: Black acetal copolymer
Gripping Teeth: Stainless steel







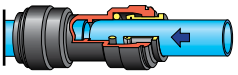




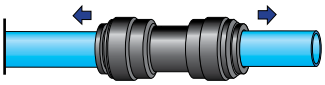
SIMPLE ASSEMBLY STEPS

15 AND 22 MM

STEP 1
Push in to pipe stop.



STEP 2
Pull to make sure that pipe is secure.
Test the system before use.



28 MM

STEP 1
Push in to pipe stop



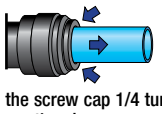
STEP 2
After inserting the pipe, turn screw cap approx 1/4 turn. This locks the collet in place and reduces lateral and sideways movement of the pipe.



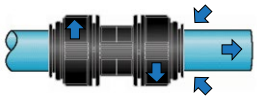
DISASSEMBLY STEPS

To disconnect any components, always make sure the system is depressurised

15-22 MM: Push the collet towards the fitting and remove the pipe



28 MM : Turn the screw cap 1/4 turn, push in the collet and remove the pipe.



The fittings and the pipes can be reused.

PUSH-TO-CONNECT FITTINGS



MALE CONNECTOR (NPT)

Product No	Pipe mm	Thread (M) NPT
05.116	15	1/2
05.121	22	3/4
05.125	28	1



MALE CONNECTOR (BSPP)

Product No	Pipe mm	Thread (M) BSPP
05.115	15	1/2
05.120	22	3/4



UNION REDUCER TEE

Product No	Pipe mm ①	Pipe mm ②
05.170	22	15



TEE UNION

Product No	Pipe mm
05.160	15
05.165	22
05.168	28



END CAP

Product No	Pipe mm
05.230	15
05.235	22



STRAIGHT UNION

Product No	Size mm
05.130	15
05.135	22
05.140	28



90 ° ELBOW UNION

Product No	Size mm
05.145	15
05.150	22
05.155	28



FEMALE REDUCER

Product No	Size mm ①	Size mm ②
05.210	15	22
05.212	15	28
05.215	22	28



MALE REDUCER BSPP

Product No	Size mm ①	Thread (M) BSPP ②
05.185	15	3/8
05.190	15	1/2
05.195	22	1/2
05.200	22	3/4
05.205*	28	1

* Brass



PLUG

Product No	Pipe mm
05.220	15
05.225	22
05.227	28

ANODIZED ALUMINUM MANIFOLDS

1 OUTLET



Product No	Pipe mm ①	Outlet (F) NPT ②
05.450	15	3/8

2 OR 3 OUTLETS



Product No	Pipe mm ①	Outlet (F) NPT ②
05.470	15	1/2
05.475	22	1/2

SPACERS FOR ANODIZED ALUMINUM MANIFOLDS



Product No	Thickness mm	Compatible with manifolds
47.596	18	1 outlet



Product No	Thickness mm	Compatible with manifolds
47.598	18	2/3 outlets

INSTALLATION TIP

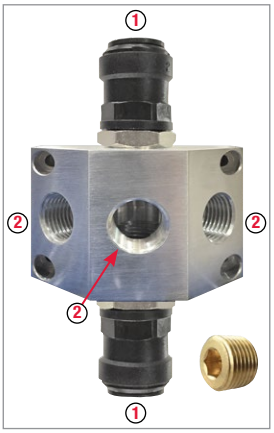
Installation requires screws #10

BRUSHED ALUMINUM MANIFOLDS

2 OR 3 OUTLETS



Product No	Pipe mm ①	Outlet (F) NPT ②
05.492	15	3/8 (2/3x)
05.496	22	3/8 (2/3x)



Product No	Pipe mm ①	Outlet (F) NPT ②
05.493	15	3/8 (2/3x)
05.497	22	3/8 (2/3x)

INSTALLATION TIP

Installation requires screws #8

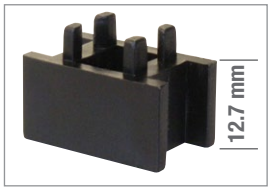
MOUNTING CLIPS



PIPE CLIP FOR WALL MOUNTING

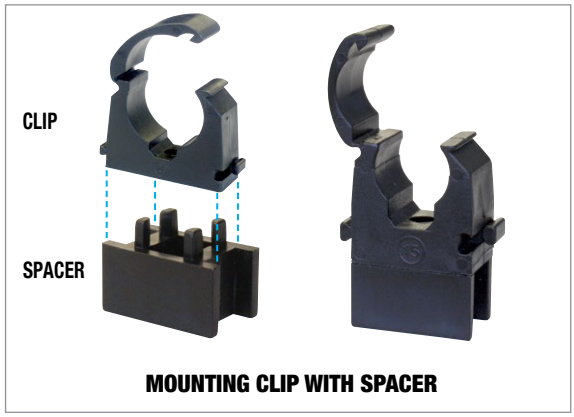
Product No	Pipe mm
05.325	15
05.330	22
05.335	28

Adding horizontal or vertical mounting clips can be done simply without having to cut the pipe



MOUNTING BRACKET SPACER

Product No	Thickness
05.337	1/2 in (12.7 mm)



MOUNTING CLIP WITH SPACER

PIPE CUTTER



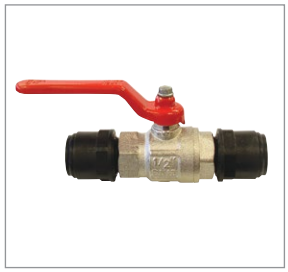


PIPE CUTTER

Product No	Description
36.100	Pipe cutter

Allows effortless straight, even and accurate cutting of nylon pipes up to 36 mm (1-13/32 in) O.D.

COMPLEMENTARY PRODUCTS



BRASS BALL VALVE

Product No	Size mm	Fitting Material
05.400	15	Acetal
05.405	22	Brass
05.410	28	Brass



MECHANICAL AUTOMATIC DRAIN

Product No	Size mm	Fitting Material
05.501	15	Acetal
05.506	22	Acetal

With brass ball valve, fittings and strainer



MANUAL DRAIN

Product No	Size mm	Fitting Material
05.500	15	Acetal
05.505	22	Brass

With brass ball valve, fittings and hose

HOME GARAGE FLEXIBLE KIT

148 PSI

TEMP °C -20 +60

RoHS DIRECTIVE



All-in-one kit for creating a compressed air network simply, quickly and economically

- Modular and adaptable design system
- Compact design reducing the overloading of any workshop
- Installs directly on existing walls
- Easily assembles, disassembles and easy to modify
- No specific installation tools required
- For small businesses, workshops or personal garages or for any homeowner who needs a compressed air system nearby
- Ideal for minor jobs such as car maintenance, DIY, various repairs, etc.

Materials

Tubing: Ester base polyurethane
Manifold: Anodised aluminum
Mounting Clip: Zinc
QuickCoupler and Plug: Zinc plated steel

Specifications

Working Temperature: -20 to 60 °C
Maximum Working Pressure: 148 PSI
Fluid: Compressed air



Kit includes:

- Polyurethane tubing 1/2 x 100 ft
- 1 tube cutter
- 1 straight connector 1/2 x 3/8 (M) NPT
- 2 straight connectors 1/2 x 1/2 (M) NPT
- 2 straight unions
- 6 union elbows
- 1 tee union
- 25 mounting clips
- 2 aluminum manifold with drain 1/2 (F) NPT x 3/8 (F) NPT
- 1 miniature hand valve 3-way
- 2 quick couplers (1/4 IND) 3/8 (M) NPT (manual)
- 2 plugs (1/4 IND) 1/4 (M) NPT
- 1 ergonomic blow gun - 10 cm tube
- 1 installation guide

Product No	Description
05.900	Home garage flexible kit

CAUTION

The Home Garage Flexible Kit must never be connected directly from the compressor outlet if there is no integrated air tank. Without the tank, the temperature of the compressed air will be too hot. The maximum operating temperature of the Home Garage tubing is 60 °C.

It is also recommended to install the Home Garage Flexible Kit on compressors of 5 HP and less.



YouTube

Watch the video "How to install a compressed air system in your garage or workshop" on Topring.com / Resources /Our YouTube Channel

Manifolds







Group 2 • Series 47

TOPRING

Compressed air solutions

ANODIZED ALUMINUM MANIFOLDS

- Provide a convenient junction point for compressed air distribution systems requiring multiple connections
- Each manifold accepts one to three quick couplers or air hoses

Material

Body: Anodized aluminum

Specifications

Maximum Working Pressure: 262 PSI

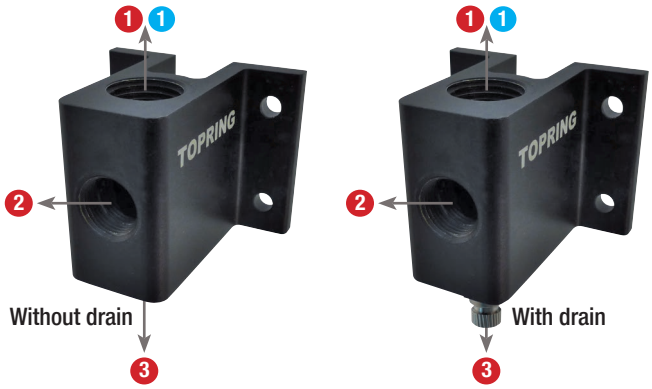
Working Temperature: -20 to 70 °C

INSTALLATION TIP

Manifolds can be quickly and easily modified by using reducing bushings and plugs (see Series 41)



MANIFOLDS / 1 OUTLET



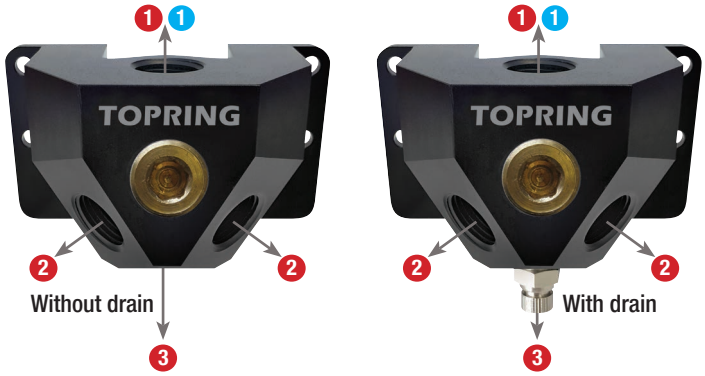
Product No		Inlet (F) NPT	Outlet (F) NPT	Outlet (F) NPT
Without drain	With drain	1	2	3
47.600	47.601	1/2	3/8	1/4

NOTE: Installation requires screws #10

Product No		Inlet (F) BSPP	Outlet (F) NPT	Outlet (F) NPT
Without drain	With drain	1	2	3
47.605	47.606	1/2	3/8	1/4

NOTE: Installation requires screws #10

MANIFOLDS / 2 OUTLETS



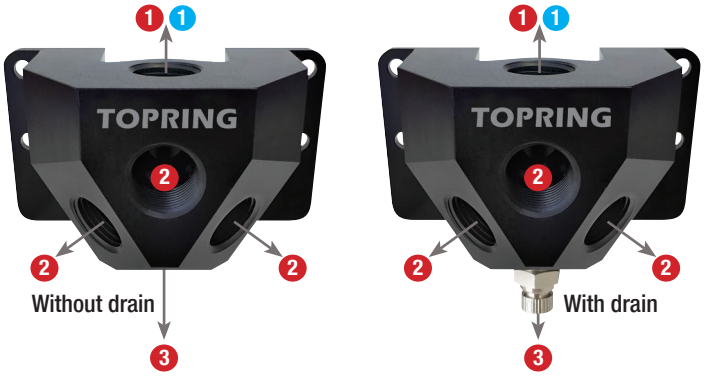
Product No		Inlet (F) NPT	Outlet (F) NPT	Outlet (F) NPT
Without drain	With drain	1	2	3
47.610	47.611	1/2	1/2	1/4
47.615	47.616	3/4	1/2	1/4

NOTE: Installation requires screws #10

Product No		Inlet (F) BSPP	Outlet (F) NPT	Outlet (F) NPT
Without drain	With drain	1	2	3
47.620	47.621	1/2	1/2	1/4
47.625	47.626	3/4	1/2	1/4

NOTE: Installation requires screws #10

MANIFOLDS / 3 OUTLETS



Product No		Inlet (F) NPT	Outlet (F) NPT	Outlet (F) NPT
Without drain	With drain	1	2	3
47.630	47.631	1/2	1/2	1/4
47.635	47.636	3/4	1/2	1/4

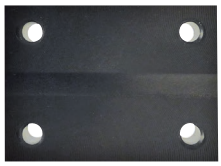
NOTE: Installation requires screws #10

Product No		Inlet (F) BSPP	Outlet (F) NPT	Outlet (F) NPT
Without drain	With drain	1	2	3
47.640	47.641	1/2	1/2	1/4
47.645	47.646	3/4	1/2	1/4

NOTE: Installation requires screws #10

SPACERS FOR ANODIZED ALUMINUM MANIFOLDS

SPACER FOR 1 OUTLET MANIFOLD

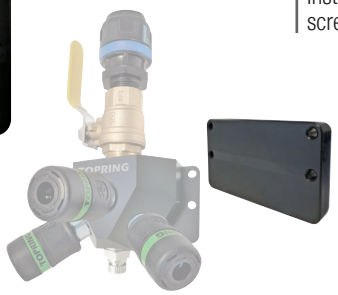




Product No	Thickness mm
47.596	18

SPACER FOR 2 OR 3 OUTLETS MANIFOLD





Product No	Thickness mm
47.598	18

Material
Polyethylene

NOTE:
Installation requires screws #10

BRUSHED ALUMINUM MANIFOLDS

- Provide a convenient junction point for compressed air distribution systems requiring multiple connections
- Universal manifold with 2 or 3 outlets

Material
Brushed aluminum

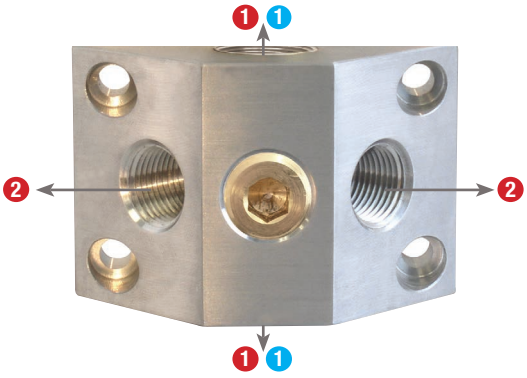
Specifications

Maximum Working Pressure: 300 PSI

Working Temperature: -20 to 60 °C

NOTE:
Installation requires screws #8

MANIFOLD / 2 OUTLETS

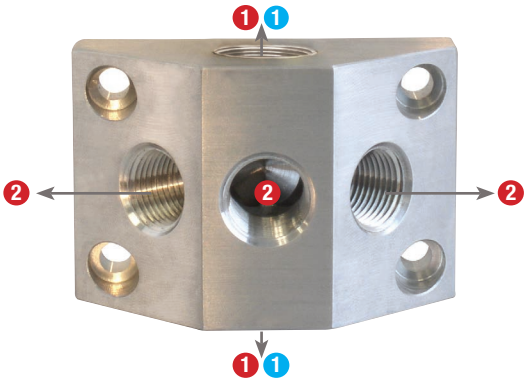


Product No	Inlet / Outlet (1) (F) BSPP	Outlet (2) (F) NPT
47.302	1/2	3/8
47.303	3/4*	3/8
47.304	3/4	3/8



*Exit plug included

MANIFOLD / 3 OUTLETS



Product No	Inlet / Outlet (1) (F) NPT	Outlet (3) (F) NPT
47.300	1/2	1/4
47.305	1/2*	3/8

Product No	Inlet / Outlet (1) (F) BSPP	Outlet (3) (F) NPT
47.306	3/4*	3/8
47.307	3/4	3/8
47.310	3/4	1/2
47.320	1	1/2



*Exit plug included

INSTALLATION TIP

Manifolds can be quickly and easily modified by using reducing bushings and caps (see Series 41)



ANODIZED ALUMINUM BAR MANIFOLDS

- Provide a convenient junction point for compressed air distribution systems or control panels requiring multiple connections
- Each bar manifold accepts three to six quick couplers or air hoses

Material

Black anodizing aluminum for corrosion resistance

Specifications

Maximum Working Pressure: 1000 PSI

Working Temperature: -23 to 93 °C

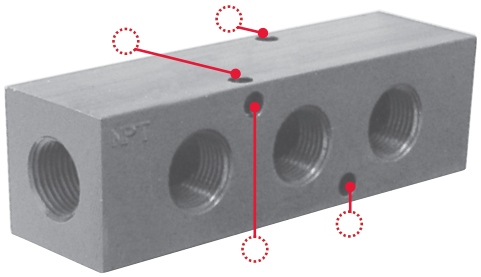
Fluids: Air and liquids/gases compatible with aluminum



INSTALLATION TIP

To ensure safe installation of the bar manifolds, it is recommended to use the proper type of screws suitable for the surface on which the manifold will be installed.

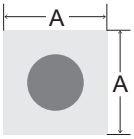
Screws # 6: Models 47.402
Screws # 8: Models 47.421 to 47.433



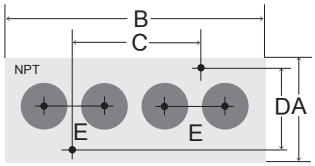
Each bar is equipped with 2 mounting holes on each side allowing multiple installation options

	1	2						
Product No	Inlet/ Outlet (F) NPT	Outlet (F) NPT	Number of distribution outlets	Dimensions (mm)				
				A	B	C	D	E
47.402	1/4	1/8	4	25	97	48	15	24
47.421	3/8	1/4	3	32	106	37	22	37
47.422	3/8	1/4	4	32	143	74	22	37
47.423	3/8	1/4	5	32	180	111	22	37
47.424	3/8	1/4	6	32	217	148	22	37
47.432	3/8	3/8	4	32	191	94	22	47
47.433	3/8	3/8	5	32	238	141	22	47

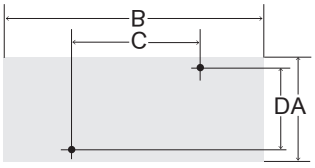
Air inlet



Multiple connections

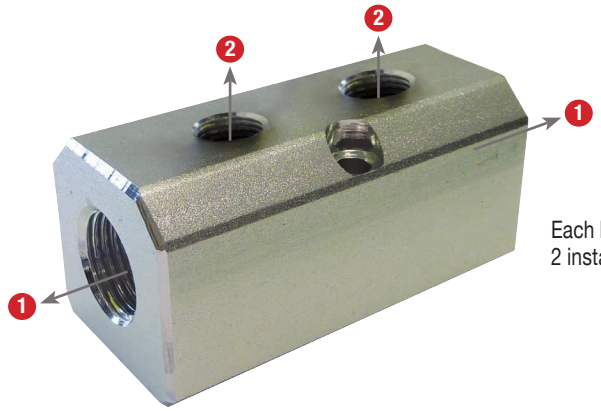


Installation holes



ALUMINUM BAR MANIFOLDS

- Provide a convenient junction point for compressed air distribution systems or control panls requiring multiple connections
- Each bar manifold accepts two to five quick couplers or air hoses



Each bar is equipped with 2 installation holes

Material
Aluminum

Specifications
Maximum Working Pressure: 300 PSI

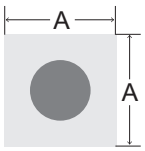
Working Temperature: -20 to 70 °C

Fluid: Air

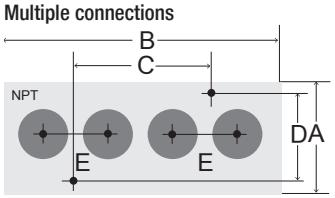
INSTALLATION TIP
To ensure safe installation of the bar manifolds, it is recommended to use the proper type of screws suitable for the surface on which the manifold will be installed: screws #8

Product No	Inlet/ Outlet (F) NPT (1)	Outlet (F) NPT (2)	Number of distribution outlets	Dimensions (mm) A	B	C	D	E
47.550	1/2	1/4	2	40	85	---	30	35
47.551	1/2	1/4	3	40	120	33.6	30	35
47.552	1/2	1/4	4	40	155	74.8	30	35
47.553	1/2	1/4	5	40	190	103.3	30	35

Air inlet

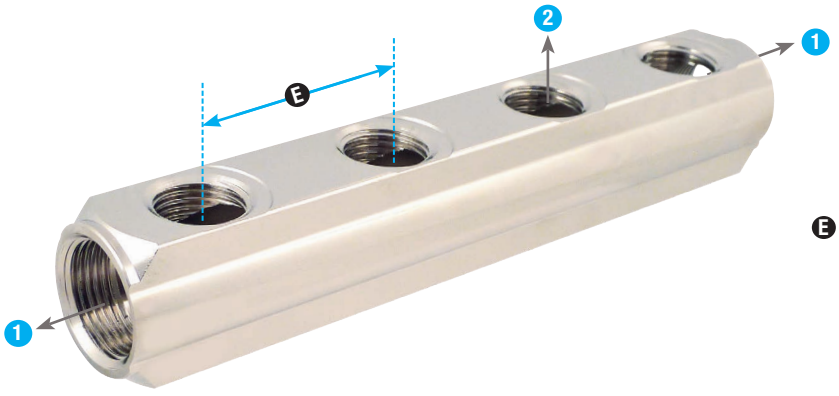


Multiple connections



NICKEL PLATED BRASS BAR MANIFOLDS

- Provide a convenient junction point for compressed air distribution systems and control panels requiring multiple connections
- Each manifold accepts two to four quick couplers or air hoses



Material
Nickel plated brass

Specifications
Maximum Working Pressure: 145 PSI

Maximum Working Temperature: 110 °C

Fluids: Air and water

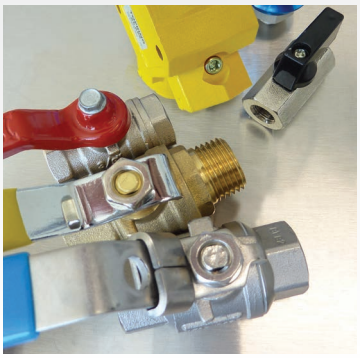
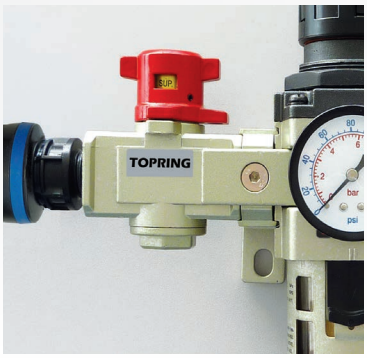
E : Distance between port centers 50 mm

Product No	Inlet/Outlet (F) BSPP (1)	Outlet (F) BSPP (2)	Number of distribution outlets	Length (mm)
47.500	3/4	1/2	2	100
47.505	3/4	1/2	3	150
47.510	3/4	1/2	4	200
47.520 *	1	1/2	2	110
47.525 *	1	1/2	3	160
47.530 *	1	1/2	4	210

* Canadian Registration Number (CRN) available

NOTES

Ball valves




Group 2 • Series 65

TOPRING

Compressed air solutions

BRASS BALL VALVES

- Ideal for isolating compressed air from part of the network for maintenance, service, repair or component changes
- Saves energy when parts of the network are not used
- Industrial quality two-piece forged brass
- Precision machining for maximum strength, durability and maintenance-free operation
- Full flow design
- Chrome plated brass ball valve and nickel plated brass body for long service life and additional resistance to corrosion
- Compressed air and water distribution systems

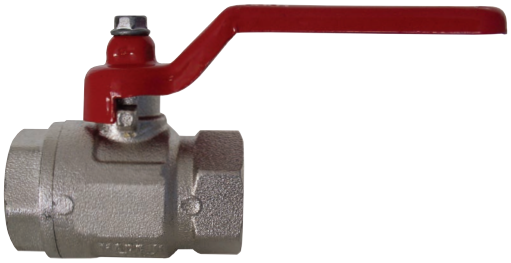
Materials

Body: Nickel plated brass
Ball: Chrome plated brass
Stem Seal: Brass
Ball Seal: PTFE
Handle: Steel
Seals: Nitrile rubber and Viton®

Specifications

Working Temperature: -20 to 150 °C

FEMALE / FEMALE FULL FLOW 1/4 - 2 NPT



Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.725	725 PSI	1/4	0.14
65.738	725 PSI	3/8	0.16
65.750	725 PSI	1/2	0.20
65.775	580 PSI	3/4	0.32
65.800	580 PSI	1	0.46
65.825	435 PSI	1-1/4	0.70
65.850	435 PSI	1-1/2	1.06
65.900	362 PSI	2	1.66

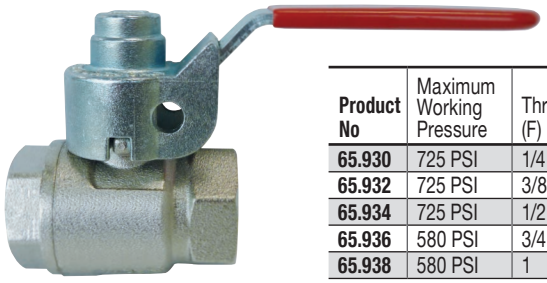
Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.738M	725 PSI	3/8	0.16
65.750M	725 PSI	1/2	0.20
65.775M	580 PSI	3/4	0.32
65.800M	580 PSI	1	0.46
65.825M	435 PSI	1-1/4	0.70
65.850M	435 PSI	1-1/2	1.06
65.900M	362 PSI	2	1.66



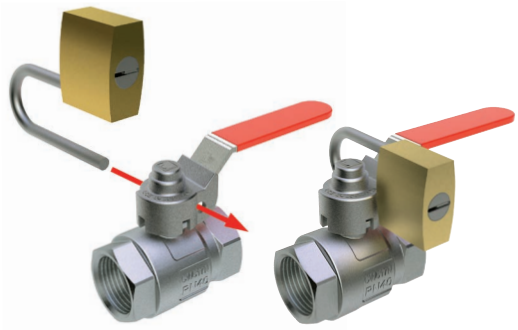
Replacement parts

Product No	Description
65.920	Handle for ball valve 1/4-3/8-1/2
65.922	Handle for ball valve 3/4-1
65.925	Locking device for ball valve 1/4-3/8-1/2
65.927	Locking device for ball valve 3/4-1

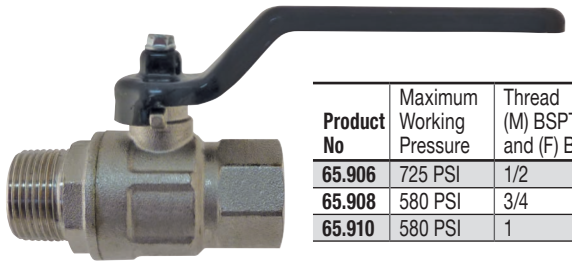
FEMALE / FEMALE FULL FLOW 1/4 - 1 NPT LOCKOUT



Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.930	725 PSI	1/4	0.19
65.932	725 PSI	3/8	0.21
65.934	725 PSI	1/2	0.25
65.936	580 PSI	3/4	0.38
65.938	580 PSI	1	0.51



MALE / FEMALE FULL FLOW 1/2 - 1 BSPT



Materials

Stem Seal (2): NBR and Viton®
Seals: PTFE

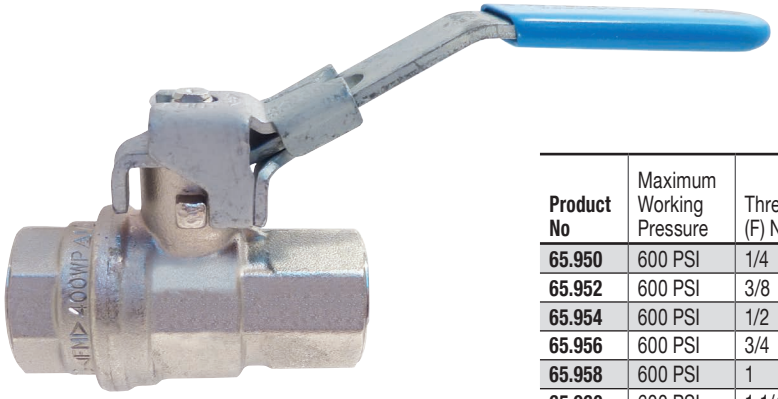
Product No	Maximum Working Pressure	Thread (M) BSPT and (F) BSPP	Weight kg
65.906	725 PSI	1/2	0.23
65.908	580 PSI	3/4	0.34
65.910	580 PSI	1	0.49

TECH TIP

90% of air leakage is generated in the compressed air distribution system. In order to minimize the negative impact of these leaks, it is strongly recommended to install ball valves or even better "**AIR-SAVER**" programmable ball valves to isolate the compressed air distribution system from the compressor (see details on page 9).

BRASS BALL VALVES

FEMALE / FEMALE FULL FLOW 1/4 - 2 NPT LOCKOUT



Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.950	600 PSI	1/4	0.17
65.952	600 PSI	3/8	0.15
65.954	600 PSI	1/2	0.24
65.956	600 PSI	3/4	0.38
65.958	600 PSI	1	0.63
65.960	600 PSI	1-1/4	0.95
65.962	600 PSI	1-1/2	1.18
65.964	600 PSI	2	1.93

CRN CANADIAN REGISTRATION NUMBER

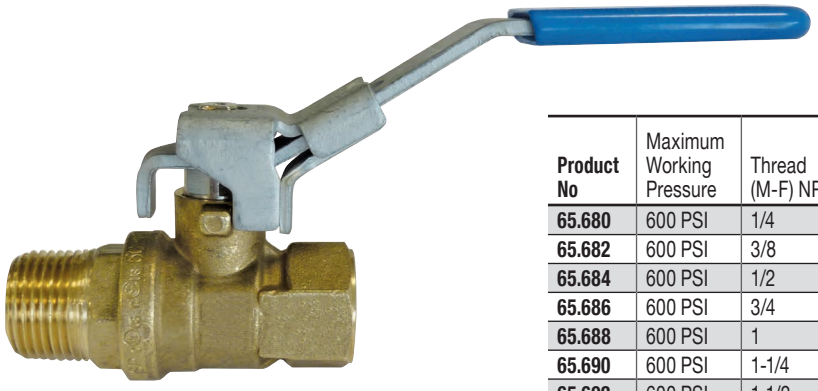
Materials

Body: Brass
Ball: Chrome plated brass
Stem and Ball Seals: PTFE
Handle: Steel with PVC

Specifications

Working Temperature: -40 to 177 °C

MALE / FEMALE FULL FLOW 1/4 - 2 NPT LOCKOUT



Product No	Maximum Working Pressure	Thread (M-F) NPT	Weight kg
65.680	600 PSI	1/4	0.17
65.682	600 PSI	3/8	0.15
65.684	600 PSI	1/2	0.23
65.686	600 PSI	3/4	0.37
65.688	600 PSI	1	0.62
65.690	600 PSI	1-1/4	0.94
65.692	600 PSI	1-1/2	1.16
65.694	600 PSI	2	1.91

CRN CANADIAN REGISTRATION NUMBER

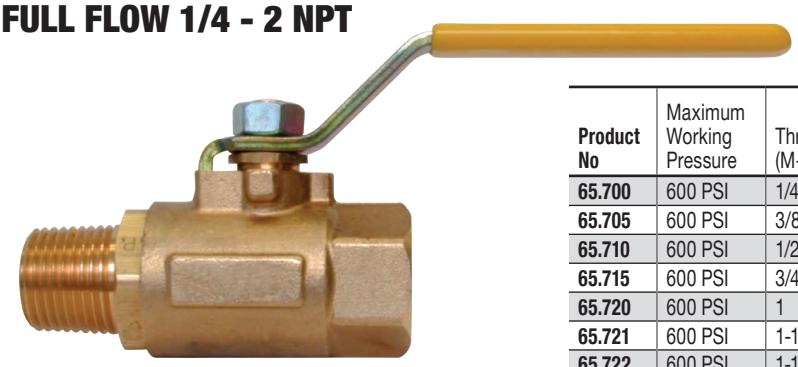
Materials

Body: Brass
Ball: Chrome plated brass
Stem and Ball Seals: PTFE
Handle: Steel with PVC

Specifications

Working Temperature: -40 to 177 °C

MALE / FEMALE FULL FLOW 1/4 - 2 NPT



Product No	Maximum Working Pressure	Thread (M-F) NPT	Weight kg
65.700	600 PSI	1/4	0.26
65.705	600 PSI	3/8	0.26
65.710	600 PSI	1/2	0.34
65.715	600 PSI	3/4	0.39
65.720	600 PSI	1	0.63
65.721	600 PSI	1-1/4	1.61
65.722	600 PSI	1-1/2	2.50
65.723	600 PSI	2	3.48

Materials

Body: Brass
Ball: Chrome plated brass
Stem and Ball Seals: PTFE
Handle: Steel with PVC

Specifications

Working Temperature: -29 to 120 °C

STAINLESS STEEL BALL VALVES

- Dual sealing system allows ball valve to be operated in either direction
- Plastic coated stainless steel lockable handle offering both thermal and electrical protection
- Removable handle while ball valve is in service
- Handle clearly shows flow direction
- Silicone-free lubricant on all seals
- Ideal for corrosive environments

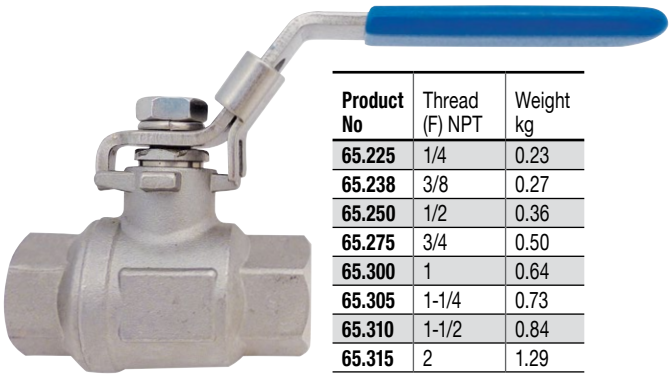
Materials

Body and Stem: Stainless steel 316
Seals: PTFE
Handle: PVC coated stainless steel

Specifications

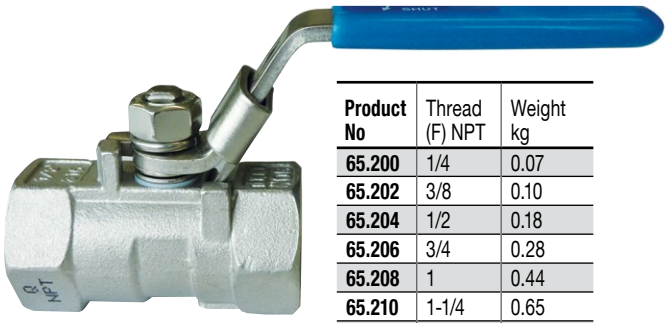
Maximum Working Pressure: 1000 PSI
Working Temperature:
Full flow: -45 to 232 °C
Reduced flow: -45 to 204 °C

FEMALE / FEMALE FULL FLOW 1/4 - 2 NPT LOCKOUT



Product No	Thread (F) NPT	Weight kg
65.225	1/4	0.23
65.238	3/8	0.27
65.250	1/2	0.36
65.275	3/4	0.50
65.300	1	0.64
65.305	1-1/4	0.73
65.310	1-1/2	0.84
65.315	2	1.29

FEMALE / FEMALE REDUCED FLOW 1/4 - 2 NPT LOCKOUT



Product No	Thread (F) NPT	Weight kg
65.200	1/4	0.07
65.202	3/8	0.10
65.204	1/2	0.18
65.206	3/4	0.28
65.208	1	0.44
65.210	1-1/4	0.65
65.212	1-1/2	0.82
65.214	2	1.37

STAINLESS STEEL BALL VALVES WITH FLANGE

3 OR 4 IN FLANGE LOCKOUT

- Steel lockable handle offering a safe protection
- Anti-static device
- Long cycle life
- Blowout proof stem design
- Sealing with low deformation under load and low permeation
- Vacuum service to 29 in Hg
- API 607 4th edition fire safe approval
- Ideal for corrosive environments



Product No	Flange in
65.350	3
65.355	4



Materials

Body: Stainless Steel ASTM A351 Gr. CF8M
Stem: Stainless Steel 316
Seals: ME-PTFE
Handle: Acier ASTM A536 Gr. 65-45-12

Specifications

Maximum Working Pressure: 750 PSI
Working Temperature: -46 to 246°C
Connections: Flange B16.5
CRN 0C0940

SLIDE VALVES

- Manually operated slide valves provide simple on/off airflow control
- Downstream air exhausts when slide valve is closedà
- Ideal low-cost method for operating single-action pneumatic cylinders, air clamps, air gauges and similar air-actuated devices

Material

Aluminum

Specifications

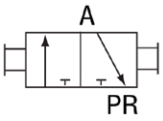
Maximum Working Pressure: 145 PSI
Working Temperature: -20 to 70 °C



Slide the sleeve towards the air inlet to close the valve



Slide the sleeve towards the air outlet to open the valve

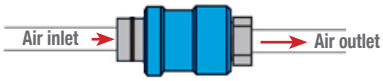


Product No	Thread (F) NPT	Thread (M) NPT	Flow SCFM*
65.600	1/8	1/8	56
65.605	1/4	1/4	73
65.615	3/8	3/8	83
65.625	1/2	1/2	99
65.645	1	1	282

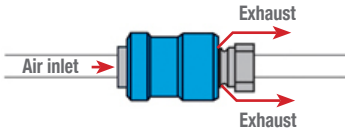
* Inlet 100 PSI, 10 PSI pressure drop

HOW IT WORKS

By moving the sleeve in one direction, the air is free to pass through the slide valve to the circuit.



By sliding the sleeve in the opposite direction, the air supply is shut off and the downstream air is allowed to exhaust, thus rendering the tool or machine inoperative.



MINI BALL VALVES

- Nitrile o-ring for a positive seal in both directions, making installation easier
- Compact corrosion-resistant aluminum handle
- Compact design
- No maintenance required
- For compressed air and water piping systems

Materials

Body: Nickel plated brass
Ball: Chrome plated brass
Handle: Aluminum
O-Ring: Nitrile

Specifications

Maximum Working Pressure: 235 PSI
Working Temperature: 0 to 80 °C



Product No	Thread (F) NPT
65.118	1/8
65.125	1/4
65.138	3/8
65.150	1/2



Product No	Thread (M-F) NPT
65.119	1/8
65.126	1/4
65.139	3/8
65.151	1/2

SAFETY LOCKOUT EXHAUST BALL VALVES

- Exhausts automatically and continuously downstream air pressure as soon as turned in the closed position
- Ball valve is lockable in the closed position only, according to Part. 1910.147 Safety OSHA requirements to allow safe maintenance of the air supplied equipment
- Ball valve body includes a tapped downstream depressurization venting outlet (10-32 UNF) to direct exhaust air and assemble a muffler for noise reduction
- Vinyl coated steel handle, offering both thermal and electrical protection
- Silicone-free lubricant on all seals

Materials

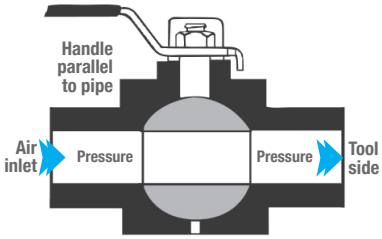
Body: Brass
Ball: Chrome plated brass
Seals: Reinforced PTFE
Handle: Steel with PVC

Specifications

Maximum Working Pressure: 200 PSI
Working Temperature: -9 to 99 °C

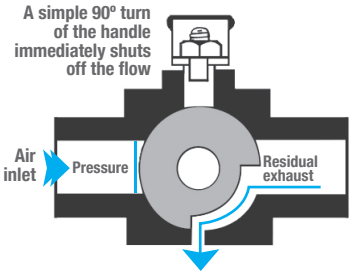
HOW IT WORKS

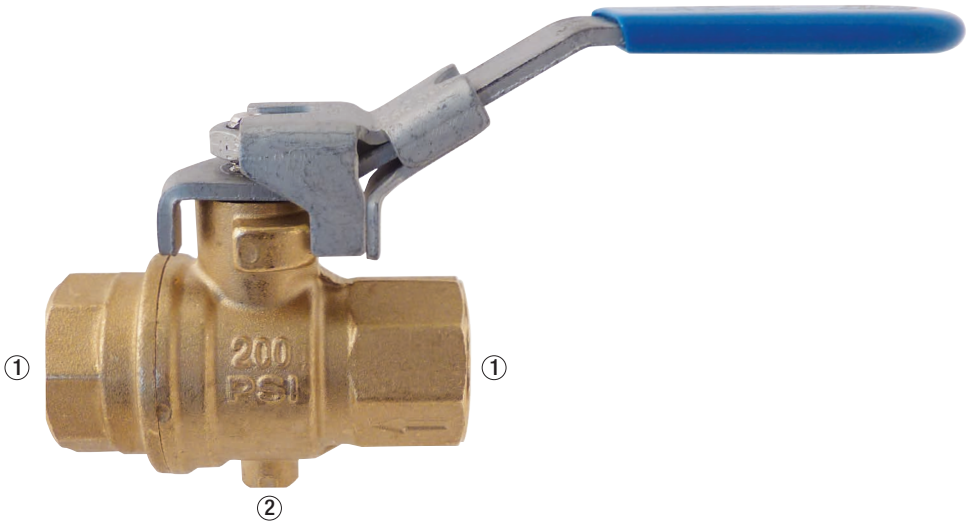
100% full flow when valve is in the OPEN position.



When the ball valve is in the OFF position, the exhaust port vents residual air on the downstream side of the ball valve.

This ensures that air-powered equipment is safe to service.

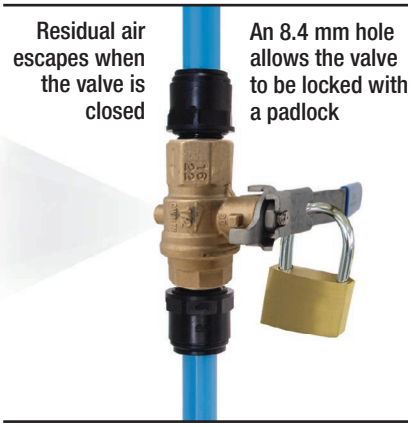




Product No	① Thread (F) NPT	② Exhaust Thread	Weight kg
65.500	1/4	10-32 UNF	0.18
65.505	3/8	10-32 UNF	0.16
65.510	1/2	10-32 UNF	0.24
65.515	3/4	10-32 UNF	0.38
65.520	1	10-32 UNF	0.63
65.525	1-1/4	1/4 NPT	1.09
65.530	1-1/2	1/4 NPT	1.46
65.535	2	1/4 NPT	2.40

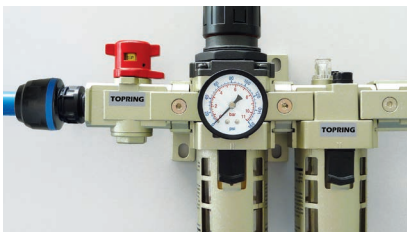
Residual air escapes when the valve is closed

An 8.4 mm hole allows the valve to be locked with a padlock



AIRFLO SAFETY AND LOCKOUT VENTING VALVES

- 3-port/2-position venting valve relieves downstream pressure when closed
- Can be locked only in the closed position
- Can be mounted directly to AIRFLO FRL using standard AIRFLO spacers (see Series 51 for more details)
- Threaded ports allow direct assembly with other components
- 6 mm to 8.5 mm hole for locking the valve with a standard single padlock or safety lock for multiple lockout
- Meet OSHA Standard 29 CFR Part 1910.147

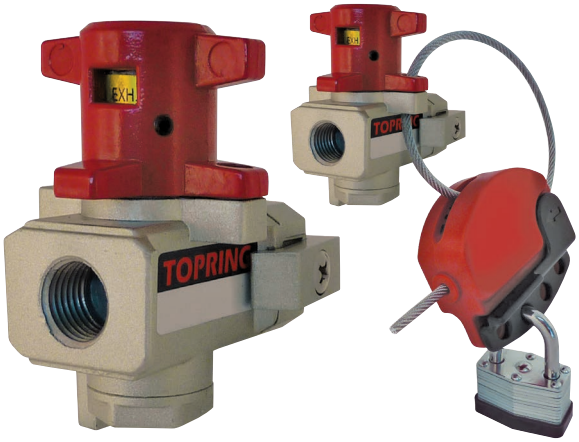


Materials

Body: Aluminum
Buttom Plug and Handle: Zinc
Internal: Steel and rubber

Specifications

Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C



Product No	Thread (F) NPT	Vent Port	Locking Hole (mm)	Suggested Muffler
51.270	1/4	1/8	6	86.600
51.370	1/4	1/4	7.5	86.605
51.375	3/8	1/4	7.5	86.605
51.470	3/8	3/8	7.5	86.610
51.475	1/2	3/8	7.5	86.610
51.575	1	3/8	8.5	86.610

MODULAIR SAFETY AND LOCKOUT VENTING VALVES

- Lockable in the closed position with a standard padlock so they cannot inadvertently be opened
- 3 port/2 position shut off valves relieve downstream pressure when closed
- Comply with CSA Z460 Standard and OSHA Standard 29 CFR Part 10
- Can be mounted directly to MODULAIR FRL (see Series 50 for more details)





Product No	Thread (F) NPT
50.781A	1/4
50.784A	3/8
50.785A	1/2
50.786A	3/4

Materials

Body: Die-cast zinc
Slide: Acetal
Seals: Nitrile
Screws: Zinc-plated steel

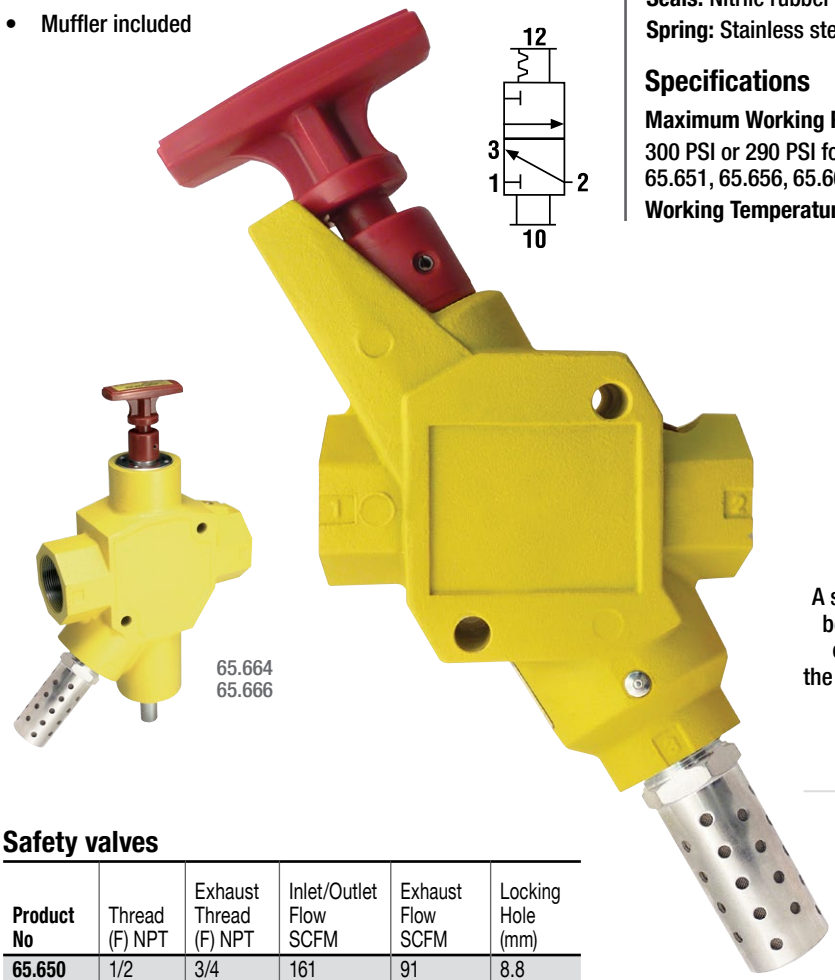
Specifications

Maximum Working Pressure: 150 PSI
Working Temperature: 4 to 52°C

HIGH FLOW SAFETY EXHAUST/LOCKOUT VALVES

Meet OSHA Standard 29 CFR Part 1910.147, lockout valves are used during maintenance and service procedures of air operated equipment (5 microns). Lockout ball valves are installed in pneumatic drop legs or individual pneumatic control lines.

- Safety lockout valve with a 2-position, 3-way that exhausts downstream air at closed position
- Yellow cast aluminum body with red handle (NACE MR0175 / ISO 15156) for high visibility
- High flow exhaust port
- Muffler included



65.664
65.666

Materials

Body: Cast alloy
Handle: Plastic
Spool: Aluminum
Seals: Nitrile rubber
Spring: Stainless steel

Specifications

Maximum Working Pressure:
300 PSI or 290 PSI for CRN products 65.651, 65.656, 65.661 and 65.663
Working Temperature: 4 to 79 °C



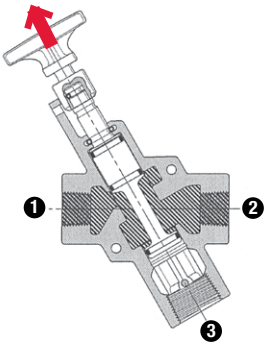
A standard padlock can be inserted in the hole of the plunger to lock the unit in a non-flowing position, keeping it safe for downstream maintenance

HOW IT WORKS

NORMAL OPERATION – VALVE OPEN

With the handle pulled upward:

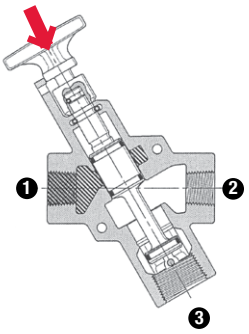
Inlet port ❶ is open to outlet port ❷ and exhaust port ❸ is blocked.



LOCKOUT OPERATION – VALVE CLOSED

With the handle pulled inward:

Inlet port ❶ is blocked and outlet port ❷ is open to exhaust port ❸.



Safety valves

Product No	Thread (F) NPT	Exhaust Thread (F) NPT	Inlet/Outlet Flow SCFM	Exhaust Flow SCFM	Locking Hole (mm)
65.650	1/2	3/4	161	91	8.8
65.655	3/4	3/4	187	93	8.8
65.660	1	1-1/4	375	216	8.8
65.662	1-1/4	1-1/4	436	221	8.8
65.664	1-1/2	2	761	1156	7.0
65.666	2	2	918	1186	7.0

Safety valves CRN approved

CRN CANADIAN REGISTRATION NUMBER

Product No	Thread (F) NPT	Exhaust Thread (F) NPT	Inlet/Outlet Flow SCFM	Exhaust Flow SCFM	Locking Hole (mm)
65.651	1/2	3/4	161	91	8.8
65.656	3/4	3/4	187	93	8.8
65.661	1	1-1/4	375	216	8.8
65.663	1-1/4	1-1/4	436	221	8.8

TECH TIP

Prior to servicing, the red handle is pressed inward, blocking pressure and relieving all downstream air pressure. A padlock is installed through the locking hasp, preventing accidental actuation during the maintenance procedure. Following maintenance, the padlock is removed and the red handle is pulled outward, returning air pressure to the system.

AIR-SAVER®
PROGRAMMABLE BALL VALVES

90% of air leaks occur in the production area. These losses can be avoided by installing an Air-Saver valve at the outlet of the tank.

- Valve opens slowly to prevent water hammer in the distribution system
- A lithium battery protects program in case of a power failure while manual opening and closing are possible
- Microprocessor controlled (16 cycles/day, 7 days/week)
- Each individual day can be programmed according to specific working day shift requirements
- Fully automatic with a reset function
- No unnecessary start up of compressors during periods when compressed air is not required
- Allows to shut off sections of a distribution system where compressed air is not continuously needed
- Large LCD display showing program cycle and current time
- Compact design easy to install and easy to program
- Easy to obtain air in case of overtime work
- Great solution against air leakage and for saving energy

Specifications

Maximum Working Pressure: 230 PSI
Working Temperature: 1 to 50 °C
Fluid Temperature: 1 to 100 °C
Voltage: 115V / 50/60 Hz
Power Consumption:
7W during cycle rotation
Classification: IP54 (NEMA 13)

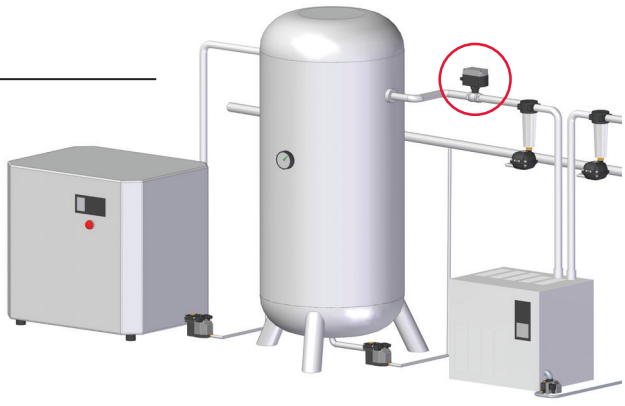


Product No	Thread (F) NPT	Opening / Closing Duration
65.592	2	105 sec

TYPICAL INSTALLATION

AUTOMATICALLY OPEN just prior to the work shift and AUTOMATICALLY CLOSE just after the work shift is over.

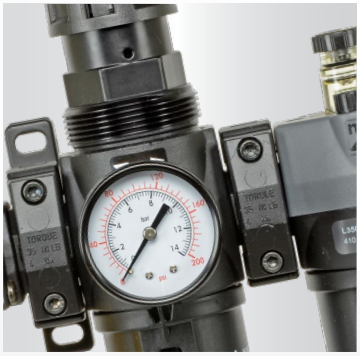
The content of compressed air within the air tank will be saved rather than lost through pipe work leakages.



NOTES

MODULAIR
Filters, regulators and lubricators






Group 3 • Series 50

TOPRING

Compressed air solutions

MODULAIR 200 • 300 • 400

FILTERS, REGULATORS AND LUBRICATORS

- Modular design, especially when used with piping adapters, allows quick field conversion or servicing of individual units without disturbing existing piping
- Modular connection reduces the number of possible leak points associated with pipe fittings and mounted units
- Installation flexibility - no special inserts or connectors required
- Enhanced versatility in 3 body sizes, ports from 1/4 to 3/4 NPT
- Full range of accessories for maximum FRL flexibility
- Optional safety shutoff lockout valve
- Superior product finish (water-based acrylic)
- Silicone-free

- **TOTAL FLEXIBILITY**
- **EXCELLENT PERFORMANCE**
- **EASY MAINTENANCE**
- **RUGGED DESIGN**

200
1/4



300
1/4 • 3/8 • 1/2



400
1/2 • 3/4



MODULAIR 200 Materials

Filter, coalescing filter, filter/regulator, lubricator

Body: Acetal
Bowl: Polycarbonate
Filter Element: Polyethylene
Seals: Nitrile

Regulator, filter/regulator

Body: Acetal
Dome: Acetal
Knob: Acetal
Seals: Nitrile

MODULAIR 300 and 400 Materials

Filter, coalescing filter, filter/regulator, lubricator

Body: Zinc
Standard Bowl 300: Polycarbonate with nylon shatterguard
Standard Bowl 400: Polycarbonate with steel shatterguard
Metal Bowl 300 and 400: Aluminum with clear nylon sight glass
Filter Element: Polyethylene
Seals: Nitrile

Regulator, filter/regulator

Body: Zinc
Dome: Nylon
Valve: Brass
Valve Cap: Nylon
Knob: Acetal
Seals: Nitrile

NOTE

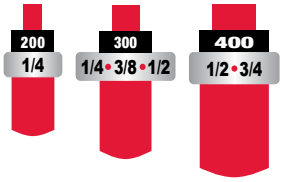
Maximum flow data (SCFM) is based on maximum pressure drop according to the following rules:

F (only), R (only), Fc (only) or L (only) = 5 PSI

F/R, F+R, or F+Fc = 10 PSI

F+R+L, F/R+L or F/R+ Fc = 15 PSI

V+F+R+L, V+F/R+L or V+F/R+Fc = 16 PSI



MODULAIR 200 • 300 • 400
FILTERS, REGULATORS AND LUBRICATORS

Residual pressure and venting safety lockout valves

Residual pressure is the term used to describe the pressure stored inside a piece of equipment or a tool, even if the compressed air source is disconnected.

Pneumatic potential energy is the energy stored within pressurized air. When pneumatic energy is released in an uncontrolled manner, individuals may be struck by equipment and machinery.

Hazardous energy is defined: «"any electrical, mechanical, hydraulic, pneumatic, chemical, nuclear, thermal, gravitational, or other energy that can harm personnel" . (**CSA Z460-20** «Control of Hazardous Energy-Lockout and Other Methods».

Hazardous energy control is the use of procedures, techniques, and methods to protect personnel from injury due to the inadvertent release of hazardous energy. (**https://www.scc.ca/en/standardsdb/standards/30302** : «The purpose of this Standard is to specify requirements and performance objectives for procedures, techniques, designs, and methods to protect personnel from injury from the inadvertent release of hazardous energy. Release of hazardous energy can include any motion, energization, start-up, or release of stored energy that, from the perspective of the person(s) at risk, is either unintended or deliberate. **Lockout is recognized as the primary method of hazardous energy control**.»

Lockout is the placement of a lock and tag on an energy-isolating device in accordance with an established procedure. It indicates that the energy isolating device is not to be operated until removal of the lock.

Venting safety lockout valves

Each piece of equipment must have a shutoff valves to isolate the equipment from its air supply. The shutoff valve must be lockable in the closed position so that it cannot inadvertently be opened. When closed the shutoff valve must have an exhaust port to exhaust downstream pressurized air.

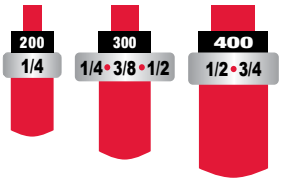
MODULAIR 200, 300 and 400 F+R+L and F/R+L combination units are offered with lockout valves and satisfy Safety Agencies requirements for energy isolation and lockout.



Safety lockout valve
MODULAIR 200



Safety lockout valve
MODULAIR 300 • 400



MODULAIR 200 • 300 • 400
FILTERS, REGULATORS AND LUBRICATORS

Standard bowls and metal bowls

- Standard bowls are made of high-strength polycarbonate, a very tough transparent material.
- Filters, Filters/Regulators and Lubricators for **MODULAIR 200** models are offered with polycarbonate bowl as standard.
- Filters, Filters/Regulators and Lubricators are offered with polycarbonate bowls with nylon guard for **MODULAIR 300** models. For **MODULAIR 400** models they come with steel guard as standard.
- Polycarbonate bowls are intended for use with compressed air but can be adversely affected if contaminants such as alcohol or liquified petroleum gas are in the intake air. Some compressor oils, solvents fumes, and other substances can attack the bowl and lead to failure. If the ambient air contains harmful substances, it is preferable to use a metal bowl.
- A partial list of chemicals that require metal bowl are as follows:
  - Acetone
  - Ammonia
  - Benzene
  - Brake fluids
  - Carbon disulfide
  - Carbon tetrachloride
  - Ethyl acetate
  - Ethylene glycol
  - Freon
  - Lacquer thinner
  - Nitrocellulose lacquer
  - Sodium hydroxide
  - Toluene
  - Turpentine
- Polycarbonate bowls should not be used at temperature above 52°C or pressure above 150 PSI. For conditions exceeding these limits, metal bowls should be used.



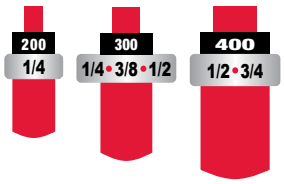
Standard Bowl
MODULAIR 200
Polycarbonate

Standard Bowl
MODULAIR 300
Polycarbonate with nylon shatterguard

Standard Bowl
MODULAIR 400
Polycarbonate with steel shatterguard

Metal Bowl
MODULAIR 300
Aluminum with clear nylon sight glass

Metal Bowl
MODULAIR 400
Aluminum with clear nylon sight glass



MODULAIR 200 • 300 • 400
FILTERS, REGULATORS AND LUBRICATORS

Bowl drains

- Manual draining is often inconvenient and overlooked.
- Manual drains are the simplest bowl drain, but they require frequent attention to rid the bowl of accumulated water and dirt particles. If a filter or Filter/regulator is located where it is difficult to access, it might not be drained as often as it should be.
- Semi-automatic and automatic drains provide a cost-effective way to maximize filter performance and reduce maintenance needs.
- Semi-automatic drains operate when liquids have accumulated in the filter bowl and a pressure drop of 2 PSI or more occurs. The pressure drop triggers the automatic drain to expel accumulated liquid. The drain activates whenever the air supply is shut down and exhausted.
- Automatic drains are used as an alternative for continuous flow applications where pressure drop might only occur at the start of the duty cycle. When liquid is present the float will rise, and the bowl will empty.



Manual drain
MODULAIR
200 • 300 • 400



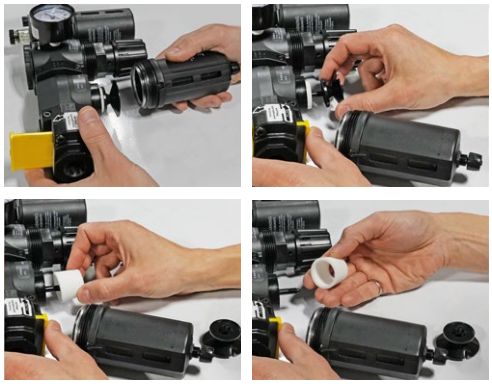
Semi-automatic drain
MODULAIR
200



Automatic drain
MODULAIR
300 • 400

Filter element maintenance

- Pressure drop across filter elements increases as they continue to remove dirt from air.
- They should be inspected on a regular basis and replaced to restore full efficiency.
- Polyethylene elements are offered with filters and filter/regulators.
- Optional sintered bronze filter elements are offered.



Differential pressure gauges

MODULAIR 300 and **MODULAIR 400** coalescing filters include a differential pressure gauge which measures the pressure drop across the coalescing filter element.

This monitors the condition of the coalescing element. When this pressure drop increases into the range of 7 to 10 PSI the gauge indicates that the element must be changed.



MODULAIR
300



MODULAIR
400

GREEN
Clean the element
(up to 7 PSI)

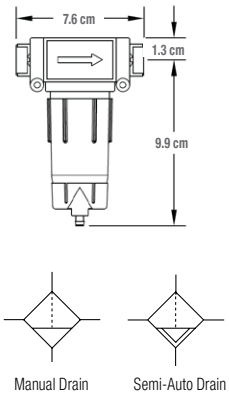
RED
Element must be changed
(7 to 10 PSI)

200
1/4

MODULAIR 200

FILTERS





- **Modular or inline mounting**
- **Designed to remove particulate material to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 30 SCFM

Ambient/Media Temperature: 4 to 52 °C

Working Pressure:
Standard bowl with manual drain: 0-150 PSI
Standard bowl with semi-automatic drain: 15-150 PSI

Filtration: 5 micron

Drain: Manual or semi-automatic

Bowl Capacity: 60 ml

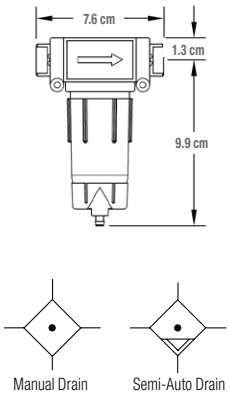
Standard Bowl: High-strength Polycarbonate

Seals: Nitrile

Product No		Port Size (F) NPT
Manual Drain	Semi-Auto Drain	
50.120A	50.121A	1/4

COALESCING FILTERS





- **Modular or inline mounting**
- **Designed to remove particulate material 99.98 % of free oil and solid contaminants 0.01 micron and larger**

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 6 SCFM

Ambient/Media Temperature: 4 to 52 °C

Working Pressure:
Standard bowl with manual drain: 0-150 PSI
Standard bowl with semi-automatic drain: 15-150 PSI

Filtration: 0.01 micron

Drain: Manual or semi-automatic

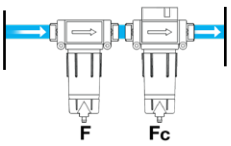
Bowl Capacity: 60 ml

Standard Bowl: High-strength Polycarbonate

Seals: Nitrile

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter



Product No		Port Size (F) NPT
Manual Drain	Semi-Auto Drain	
50.920A	50.921A	1/4

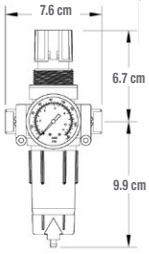
200
1/4

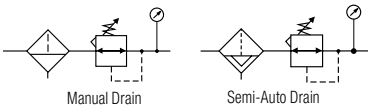
MODULAIR 200

FILTER/REGULATORS

GAUGE INCLUDED







- **Modular or inline mounting**
- **Designed to remove particulate material to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — piston type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 20 SCFM

Ambient/Media Temperature: 4 to 52 °C

Maximum Working Pressure: 150 PSI

Pressure Range:
Standard bowl with manual drain: 0-125 PSI
Standard bowl with semi-automatic drain: 15-125 PSI

Panel Mounting: 30 mm hole required

Drain: Manual or semi-automatic

Bowl Capacity: 60 ml

Standard Bowl: High-strength Polycarbonate

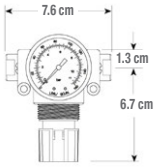
Seals: Nitrile

Product No		Port Size (F) NPT
Manual Drain	Semi-Auto Drain	
50.220A	50.221A	1/4

REGULATOR

GAUGE INCLUDED







- **Modular or inline mounting**
- **Superior pressure regulation - piston type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 10 SCFM

Ambient/Media Temperature: 4 to 52 °C

Maximum Working Pressure: 150 PSI

Pressure Range: 0-125 PSI

Panel Mounting: 30 mm hole required

Valve: Brass

Valve Cap: Nylon

Seals: Nitrile

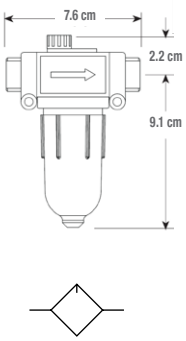
Product No	Port Size (F) NPT	Replacement Gauge
50.320A	1/4	55.120

200
1/4

MODULAIR 200

LUBRICATOR





- **Modular or inline mounting**
- **Precision needle valve assures repeatable oil delivery**
- **External oil delivery adjusting knob**

Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow at 100 PSI: 25 SCFM
Working Pressure: 0-150 PSI
Bowl Capacity: 60 ml
Standard Bowl: High-strength Polycarbonate
Seals: Nitrile

Product No	Port Size (F) NPT
50.420A	1/4

AIR TOOL OILS

SYNTHETIC OIL FOR EXTREME TEMPERATURES

Detergent-free synthetic formula, with polyalphaolefins for optimum speed and power of air tools



PREMIUM MINERAL OIL

Detergent-free mineral formula for maximum output and superior performance of air tools



For more details on oils, see Series 69

200
1/4

MODULAIR 200

F+R+L COMBINATION UNITS
GAUGE INCLUDED

- **Designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — piston type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**
- **External oil delivery adjusting knob**

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI (with or without valve): 16 SCFM

Ambient/Media Temperature: 4 to 52 °C

Pression maximale d'utilisation : 150 PSI

Pressure Range:
Standard bowl with manual drain: 0-125 PSI
Standard bowl with semi-automatic drain: 15-125 PSI

Inlet Pressure:

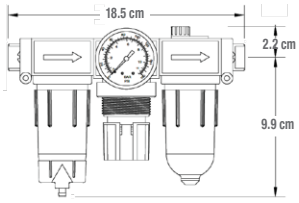
Filtration: 5 micron

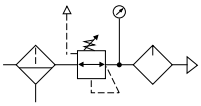
Bowl Capacity: 60 ml

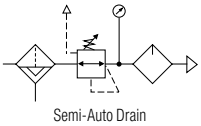
Standard Bowl: High-strength Polycarbonate

Seals: Nitrile






Manual Drain

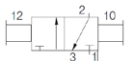

Semi-Auto Drain

F+R+L

Product No		Port Size (F) NPT
Manual Drain	Semi-Auto Drain	
50.520A	50.521A	1/4

- **F+R+L assemblies are the most widely used**





Lockout Valve

F+R+L WITH LOCKOUT VALVE

Product No	Drain Type	Port Size (F) NPT
50.521A1	Semi-Auto Drain	1/4

- **Provides positive lockout of supply air and exhausting of dowstream air**
- **Can be padlocked only in the closed position**

200
1/4

MODULAIR 200

F/R+L COMBINATION UNITS

GAUGE INCLUDED

- **Designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation - piston type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**
- **External oil delivery adjusting knob**

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 23 SCFM

Ambient/Media Temperature: 4 to 52 °C

Maximum Working Pressure: 150 PSI

Pressure Range:
Standard bowl with manual drain: 0-125 PSI
Standard bowl with semi-automatic drain: 15-125 PSI

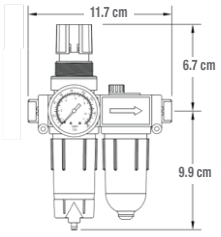
Filtration: 5 micron

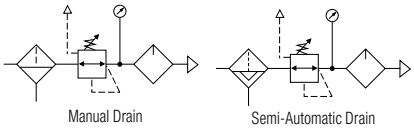
Bowl Capacity: 60 ml

Standard Bowl: High-strength Polycarbonate

Seals: Nitrile



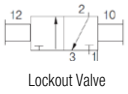




Product No		Port Size (F) NPT
Manual Drain	Semi-Auto Drain	
50.620A	50.621A	1/4

- **F/R+L assemblies provide the compactness needed where space is limited**





Lockout Valve

F+R+L WITH LOCKOUT VALVE

Product No	Drain Type	Port Size (F) NPT
50.621A1	Semi-Auto Drain	1/4

- **Provides positive lockout of supply air and exhausting of dowstream air**
- **Can be padlocked only in the closed position**

ACCESSORIES

VENTING SAFETY LOCKOUT VALVE

- Complies with CSA Z460 Standard and OSHA Standard 29 CFR Part 10
- 3 port/2 position shut off valve relieves downstream pressure when closed.
- Can be locked in the closed position only with standard padlock



Product No	Port Size
50.781A	1/4 (F) NPT

REGULATOR MOUNTING BRACKET KIT

- Regulators and filter/regulators can be mounted to a surface with a bracket that attaches to the regulator
- Kit includes both bracket and mounting nut

Product No
50.721A



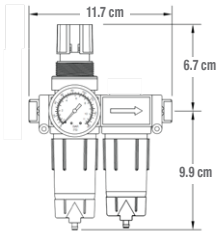
200
1/4

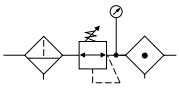
MODULAIR 200

F/R+Fc COMBINATION UNITS

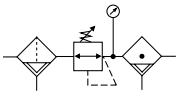
GAUGE INCLUDED







Manual Drain



Semi-Automatic Drain

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 6 SCFM

Ambient/Media Temperature: 4 to 52 °C

Maximum Working Pressure: 150 PSI

Pressure Range:
Standard bowl with manual drain: 0-125 PSI
Standard bowl with semi-automatic drain: 15-125 PSI

Filtration: (F) 5 micron

Filtration: (Fc) 0.01 micron

Standard Bowl Capacity: 60 ml

Standard Bowl: High-strength Polycarbonate

Seals: Nitrile

- **Filter designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Filter with superior removal of free water up to 98% efficiency**
- **Coalesing-filter designed to remove particulate material 99.98% of free oils and solid contaminants 0.01 micron and larger**
- **Superior pressure regulation - piston type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**

Product No		Port Size (F) NPT
Manual Drain	Semi-Auto Drain	
50.660A	50.661A	1/4

REPLACEMENT PARTS



Product No 50.020A
5 micron Element
F, F/R 200



Product No 50.070A
0.01 micron Element
Fc 200



Product No 50.800A
Standard Bowl (Manual Drain)
F, Fc, F/R 200



Product No 50.820A
Standard Bowl (Semi-Automatic Drain) F, Fc, F/R 200



Product No 50.806A
Standard Bowl
L 200



Product No 55.120
Replacement Gauge 0-160 PSI
R, F/R 200



Product No 50.059A
Quick Fill Cap
L 200



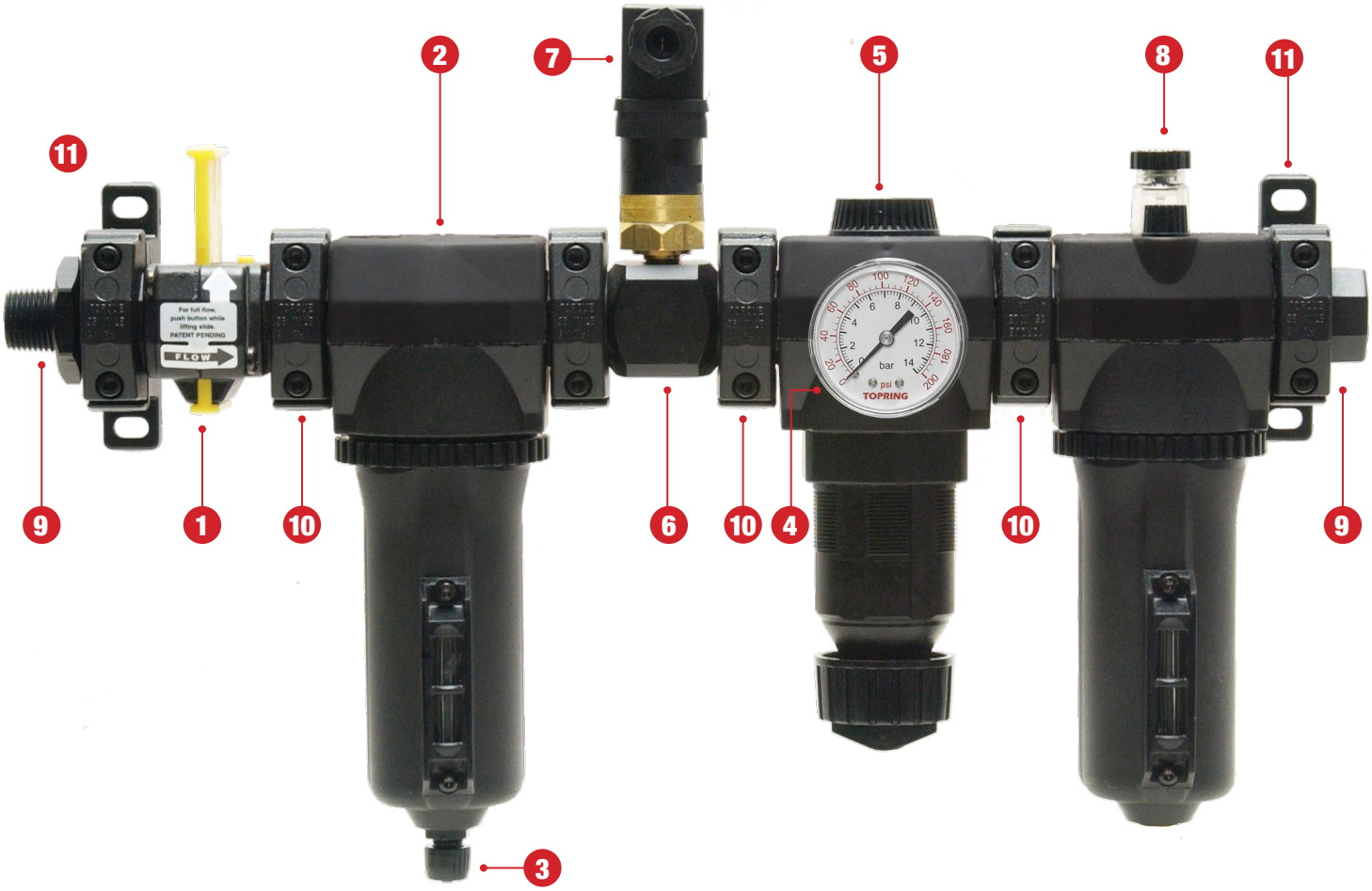
Product No 50.022A
Relieving piston
R, F/R 200

300 1/4 • 3/8 • 1/2

400 1/2 • 3/4

MODULAIR 300 • 400

FILTERS, REGULATORS AND LUBRICATORS



1. **VENTING SAFETY LOCKOUT VALVE**
   Isolate downstream equipment with 3-way lockable shut off valve. Vented to relieve downstream pressure in off position.

2. **FILTER**
   Deflector plate insures maximum water removal while a 5 micron element eliminates damaging particulate matter. Filter/Regulator also available.

3. **AUTOMATIC FLOAT DRAIN**
   Optional automatic float drain removes condensation as required. Manual drain standard.

4. **PRESSURE GAUGE**
   Heavy-duty industrial pressure gauge included with regulator.

5. **REGULATOR**
   Accurate high-flow regulators with positive snap lock push-pull adjusting knob for an easy operation.

6. **EXTRA PORT BLOCK**
   Provides components manifolding and branch lines. Its mounting position can be rotated to obtain the most convenient operating orientation

7. **PRESSURE SWITCH**
   Provides electric signal when a specific pressure is achieved.

8. **LUBRICATOR**
   Provides consistent lubrication under variable flow conditions. Removable adjusting knob renders lubricator tamperproof (standard).

9. **PIPING ADAPTER**
   Mounts to all components. Allows quick unit removal without unscrewing pipe threads.

10. **CLAMP FOR MODULE CONNECTIONS**
    Designed to provide a quick and easy assembly or dissassembly. 2 allen-head bolts and 2 O-rings provide positive sealing between modules.

11. **MOUNTING BRACKET**
    Used to mount a FRL to a vertical surface. Attaches to the module connectiong clamp with a single screw.

300 1/4 • 3/8 • 1/2 400 1/2 • 3/4

MODULAIR 300 • 400

FILTERS, REGULATORS AND LUBRICATORS

TRUE MODULARITY COMES WITH THE USE OF PIPING ADAPTERS

The biggest challenge with standard type FRL units requiring brass pipe fittings is screwing the unit onto opposing ends of airline piping (while tightening one end, the other end is being loosened).

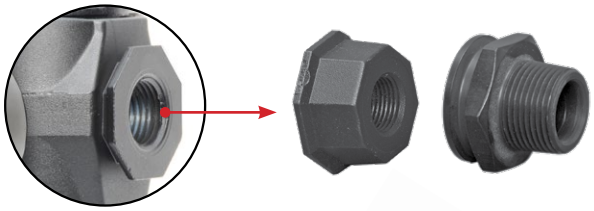
With the piping adapters available for **MODULAIR 300 and 400**, the unit is installed by simply screwing the piping adapters onto the two ends of the piping and sliding the FRL unit into place, securing it with the module connecting clamps.

Removal for maintenance purposes is just as simple, requiring only the removal of the retaining screws in order to slide the unit out.

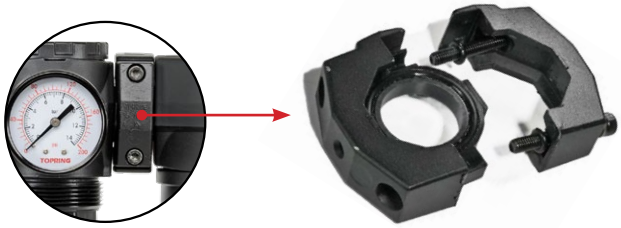
Piping adapters are therefore the ideal method for allowing simple and easy installation and removal of FRL units.

PIPING ADAPTERS

Either male or female end ports can be attached to threaded inlet and outlet lines. This allows all modules of a FRL assembly to be removed easily and quickly without having to unthread the end modules.



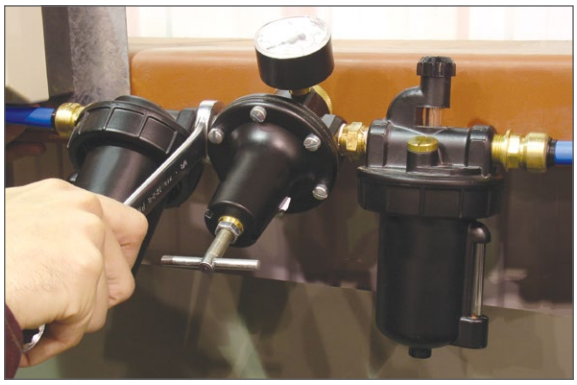
The end ports are attached to the modules with clamps.



STANDARD TYPE → VERY DIFFICULT



Standard type FRL use pipe nipples



This makes maintenance more difficult

MODULAIR → VERY EASY



MODULAIR FRL use piping adapters



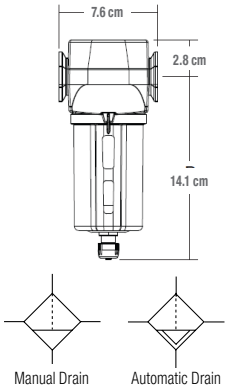
Removal is very easy, since the piping adapters allow the unit to slide out

MEDIUM
1/4•3/8•1/2

MODULAIR 300

FILTERS





- **Modular or inline mounting**
- **High performance**
- **Designed to remove particulate material to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 52 SCFM • 3/8: 64 SCFM • 1/2: 72 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Working Pressure:
Standard Bowl with Manual Drain: 0-150 PSI
Standard Bowl with Auto Drain: 30-150 PSI
Metal Bowl with Manual Drain: 0-250 PSI
Metal Bowl with Auto Drain: 30-200 PSI

Filtration: 5 micron

Drain: Manual or automatic

Bowl Capacity:
Standard Bowl: 151 ml
Metal Bowl: 177 ml

Standard Bowl: Polycarbonate with nylon shatterguard

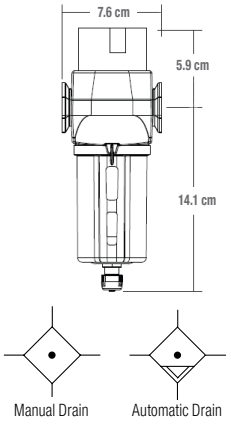
Metal Bowl: Aluminum with clear nylon sight glass

Seals: Nitrile

STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.125A	50.126A	50.127A	50.128A	1/4
50.130A	50.131A	50.132A	50.133A	3/8
50.135A	50.136A	50.137A	50.138A	1/2

COALESCING FILTERS





- **Modular or inline mounting**
- **High performance**
- **Designed to remove particulate material 99.98 % of free oil and solid contaminants 0.01 micron and larger**
- **Differential pressure gauge to indicate when filter element needs changing**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size:
1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 35 SCFM • 3/8: 37 SCFM • 1/2: 39 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Working Pressure:
Standard Bowl with Manual Drain: 0-150 PSI
Standard Bowl with Auto Drain: 30-150 PSI
Metal Bowl with Manual Drain: 0-250 PSI
Metal Bowl with Auto Drain: 30-200 PSI

Filtration: 0.01 micron

Drain:
Manual or automatic

Bowl Capacity:
Standard Bowl: 151 ml
Metal Bowl: 177 ml

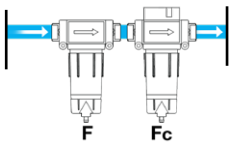
Standard Bowl:
Polycarbonate with nylon shatterguard

Metal Bowl:
Aluminum with clear nylon sight glass

Seals: Nitrile

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter



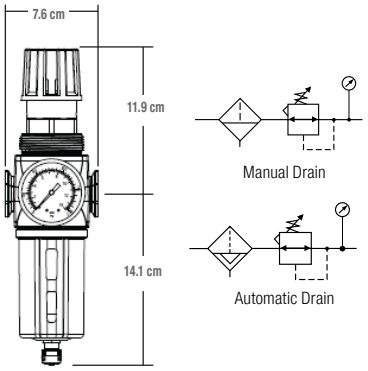
STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.925A	50.926A	50.927A	50.928A	1/4
50.935A	50.936A	50.937A	50.938A	3/8
50.930A	50.931A	50.932A	50.933A	1/2

MEDIUM
1/4•3/8•1/2

MODULAIR 300

FILTER/REGULATORS
GAUGE INCLUDED





- **Modular or inline mounting**
- **High performance**
- **Designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 20 SCFM • 3/8: 30 SCFM • 1/2: 35 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl with Manual Drain: 250 PSI
Metal Bowl with Auto Drain: 200 PSI

Pressure Range:
Standard/Metal Bowl with Manual Drain: 0-125 PSI
Standard/Metal Bowl with Auto Drain: 30-125 PSI

Panel Mounting: 52 mm hole required

Drain: Manual or automatic

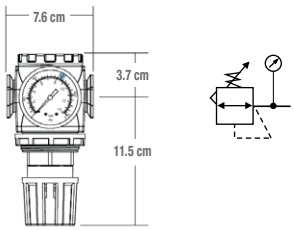
Bowl Capacity: Standard Bowl: 151 ml / Metal Bowl: 177 ml

Seals: Nitrile

STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.225A	50.226A	50.227A	50.228A	1/4
50.230A	50.231A	50.232A	50.233A	3/8
50.235A	50.236A	50.237A	50.238A	1/2

REGULATORS
GAUGE INCLUDED





- **Modular or inline mounting**
- **High performa nce**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 20 SCFM • 3/8: 30 SCFM • 1/2: 60 SCFM

Ambient/Media Temperature: 4 to 80 °C

Maximum Working Pressure: 300 PSI

Pressure Range: 0-125 PSI

Panel Mounting: 52 mm hole required

Valve: Brass

Valve Cap: Nylon

Seals: Nitrile

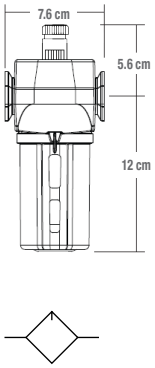
Product No	Port Size (F) NPT
50.325A	1/4
50.330A	3/8
50.335A	1/2

300
1/4 • 3/8 • 1/2

MODULAIR 300

LUBRICATORS





- **Modular or inline mounting**
- **High performance**
- **Precision needle valve assures repeatable oil delivery**
- **Sight feed design — transparent dome to show oil delivery**
- **External oil delivery adjusting knob**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 50 SCFM • **3/8:** 80 SCFM • **1/2:** 120 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl: 4 to 80 °C

Working Pressure:
Standard Bowl: 0-150 PSI
Metal Bowl: 0-250 PSI

Bowl Capacity:
Standard Bowl: 151 ml
Metal Bowl: 177 ml

Standard Bowl: Polycarbonate with nylon shatterguard

Metal Bowl: Aluminum with clear nylon sight glass

Seals: Nitrile

STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
50.425A	50.427A	1/4
50.430A	50.432A	3/8
50.435A	50.437A	1/2

AIR TOOL OILS

SYNTHETIC OIL FOR EXTREME TEMPERATURES

Detergent-free synthetic formula, with polyalphaolefins for optimum speed and power of air tools



PREMIUM MINERAL OIL

Detergent-free mineral formula for maximum output and superior performance of air tools



For more details, see Group 4 Series 69

300
1/4 • 3/8 • 1/2

MODULAIR 300

F+R+L COMBINATION UNITS
GAUGE INCLUDED

- **Designed to remove particulate material to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design regulator**
- **Push-pull adjusting knob**
- **Sight feed design lubricator — transparent dome to show oil delivery**
- **External oil delivery adjusting knob — removable for tamper resistance**

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI (with or without valve):
1/4: 30 SCFM • 3/8: 40 SCFM • 1/2: 65 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl with Manual Drain: 250 PSI (200 PSI with valve)
Metal Bowl with Auto Drain: 200 PSI

Filtration: 5 micron

Drain: Manual or automatic

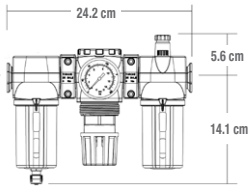
Bowl Capacity:
Standard Bowl: 151 ml
Metal Bowl: 177 ml

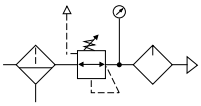
Standard Bowl: Polycarbonate with nylon shatterguard

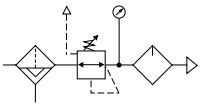
Metal Bowl: Aluminum with clear nylon sight glass

Seals: Nitrile

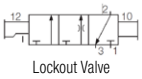





Manual Drain


Automatic Drain





Lockout Valve

F+R+L

Product No	Bowl Type	Drain Type	Pressure Range	Port Size (F) NPT
50.525A	Standard	Manual	0-125 PSI	1/4
50.526A	Standard	Auto	30-125 PSI	1/4
50.527A	Metal	Manual	0-125 PSI	1/4
50.528A	Metal	Auto	30-125 PSI	1/4
50.530A	Standard	Manual	0-125 PSI	3/8
50.531A	Standard	Auto	30-125 PSI	3/8
50.532A	Metal	Manual	0-125 PSI	3/8
50.533A	Metal	Auto	30-125 PSI	3/8
50.535A	Standard	Manual	0-125 PSI	1/2
50.536A	Standard	Auto	30-125 PSI	1/2
50.537A	Metal	Manual	0-125 PSI	1/2
50.538A	Metal	Auto	30-125 PSI	1/2

- **F+R+L assemblies are the most widely used**

F+R+L WITH LOCKOUT VALVE

Product No	Bowl Type	Drain Type	Pressure Range	Port Size (F) NPT
50.526A1	Standard	Auto	30-125 PSI	1/4
50.528A1	Metal	Auto	30-125 PSI	1/4
50.531A1	Standard	Auto	30-125 PSI	3/8
50.533A1	Metal	Auto	30-125 PSI	3/8
50.536A1	Standard	Auto	30-125 PSI	1/2
50.538A1	Metal	Auto	30-125 PSI	1/2

- **Provides positive lockout of supply air and exhausting of dowstream air**
- **Can be padlocked only in the closed position**

300
1/4 • 3/8 • 1/2

MODULAIR 300

F/R+L COMBINATION UNITS
GAUGE INCLUDED

- **Designed to remove particulate material to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design regulator**
- **Push-pull adjusting knob**
- **Sight feed design lubricator — transparent dome to show oil delivery**
- **External oil delivery adjusting knob — removable for tamper resistance**

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI (with or without valve):
1/4: 35 SCFM • 3/8: 50 SCFM • 1/2: 55 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl with Manual Drain: 250 PSI (200 PSI with valve)
Metal Bowl with Auto Drain: 200 PSI

Filtration: 5 micron

Drain: Manual or automatic

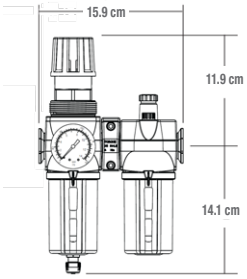
Bowl Capacity:
Standard Bowl: 151 ml
Metal Bowl: 177 ml

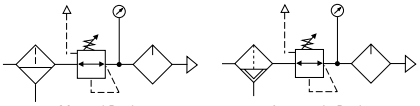
Standard Bowl: Polycarbonate with nylon shatterguard

Metal Bowl:
Aluminum with clear nylon sight glass

Seals: Nitrile









F/R+L

Product No	Bowl Type	Drain Type	Pressure Range	Port Size (F) NPT
50.625A	Standard	Manuel	0-125 PSI	1/4
50.626A	Standard	Auto	30-125 PSI	1/4
50.627A	Metal	Manuel	0-125 PSI	1/4
50.628A	Metal	Auto	30-125 PSI	1/4
50.630A	Standard	Manuel	0-125 PSI	3/8
50.631A	Standard	Auto	30-125 PSI	3/8
50.632A	Metal	Manuel	0-125 PSI	3/8
50.633A	Metal	Auto	30-125 PSI	3/8
50.635A	Standard	Manuel	0-125 PSI	1/2
50.636A	Standard	Auto	30-125 PSI	1/2
50.637A	Metal	Manuel	0-125 PSI	1/2
50.638A	Metal	Auto	30-125 PSI	1/2

- **F/R+L assemblies provide the compactness needed where space is limited**

F/R+L WITH LOCKOUT VALVE

Product No	Bowl Type	Drain Type	Pressure Range	Port Size (F) NPT
50.626A1	Metal	Auto	30-125 PSI	1/4
50.628A1	Metal	Auto	30-125 PSI	1/4
50.631A1	Metal	Auto	30-125 PSI	3/8
50.633A1	Metal	Auto	30-125 PSI	3/8
50.636A1	Metal	Auto	30-125 PSI	1/2
50.638A1	Metal	Auto	30-125 PSI	1/2

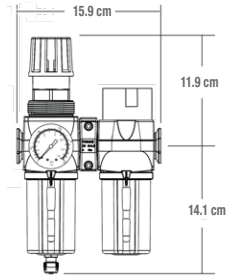
- **Provides positive lockout of supply air and exhausting of dowstream air**
- **Can be padlocked only in the closed position**

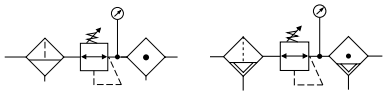
300
1/4 • 3/8 • 1/2

MODULAIR 300

F/R+Fc COMBINATION UNITS
GAUGE INCLUDED







- **Designed to remove particulate material to 5 micron from the airstream to protect downstream equipment**
- **Filter with superior removal of free water up to 98% efficiency**
- **Coalesing-filter designed to remove particulate material 99.98% of free oils and solid contaminants 0.01 micron and larger**
- **Coalesing-filter with differential pressure gauge to indicate when coalescing filter element needs changing**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**

VENTING SAFETY LOCKOUT VALVE



- Complies with CSA Z460 Standard and OSHA Standard 29 CFR Part 10
- 3 port/2 position shut off valve relieves downstream pressure when closed
- Can be locked in the closed position only with standard padlock

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 30 SCFM • 3/8: 40 SCFM • 1/2: 45 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl with Manual Drain: 250 PSI
Metal Bowl with Auto Drain: 200 PSI

Pressure Range:
Standard/Metal Bowl with Manual Drain: 0-125 PSI
Standard/Metal Bowl with Auto Drain: 30-125 PSI

Filtration: (F) 5 micron
Filtration: (Fc) 0.01 micron
Drain: Manual or automatic
Bowl Capacity:
Standard Bowl: 151 ml
Metal Bowl: 177 ml

Standard Bowl: Polycarbonate with nylon shatterguard
Metal Bowl: Aluminum with clear nylon sight glass
Seals: Nitrile

STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.665A	50.666A	50.667A	50.668A	1/4
50.670A	50.671A	50.672A	50.673A	3/8
50.685A	50.686A	50.687A	50.688A	1/2

300
1/4 • 3/8 • 1/2

MODULAIR 300



ACCESSORIES

VENTING SAFETY LOCKOUT VALVES

- Complies with CSA Z460 Standard and OSHA Standard 29 CFR Part 10
- 3 port/2 position shut off valve relieves downstream pressure when closed
- Can be locked in the closed position only





Product No	Port Size
50.783A	1/4 (F) NPT
50.784A	3/8 (F) NPT
50.785A	1/2 (F) NPT

EXTRA PORT BLOCKS

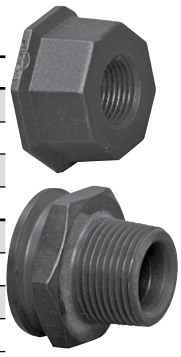
- An extra port can be placed between modules to provide 2 auxiliary ports
- Its mounting position can be rotated to obtain the most convenient operating orientation
- If only one auxiliary port is to be used, the unused port must be closed with a pipe plug



Product No	Auxiliary Port Size
50.792A	1/4 (F) NPT
50.793A	3/8 (F) NPT
50.794A	1/2 (F) NPT

PIPING ADAPTERS

- Designed to install or remove basic units without altering the threaded pipe connections
- Either female or male can be attached to threaded inlet and outlet lines
- The end ports are attached to the modules with clamps



Product No	Port Size
50.951A	1/4 (F) NPT
50.952A	3/8 (F) NPT
50.953A	1/2 (F) NPT
50.954A	3/4 (F) NPT
50.964A	1/4 (M) NPT
50.965A	3/8 (M) NPT
50.966A	1/2 (M) NPT
50.967A	3/4 (M) NPT

CLAMP FOR MODULE CONNECTIONS

- Designed to provide a quick and easy assembly or dissassembly of 300 and 400 modules
- 2 allen-head bolts quickly tighten or loosen the clamp using a 5/32 or 4 mm hex key
- the clamp contains a plate carrying 2 O-rings to provide positive sealing between modules

A .....



Product No
50.766A

MOUNTING BRACKET

- 2 brakets are normally used to mount a FRL to a vertical surface
- The mounting bracket attaches to the module connectiong clamp with a single screw
- Each mounting bracket employs 2 bolts (1/4 or 6 mm) to connect the assembly to the mounting surface

B .....



Product No
50.767A

COMBINED AND CLAM



Product No
50.765A

A + B

REGULATOR AND FILTER/REGULATOR MOUNTING BRACKET KIT

- Regulators and filter/regulators can be mounted to a surface with a bracket that attaches to the regulator
- Kit includes both bracket and mounting nut



Product No
50.722A

PRESSURE SWITCH

- Pressure switches provide an electrical signal to warn or prevent over -or - under pressurization which can be harmful to a machine or process
- The pressure is adjustable
- Switches are sealed, vibration resistant and built to provide reliable protection

Adjustment Range: 25-100 PSI
Pipe Size: 1/4 (M) NPT
5 AMP, 125/250 VAC or 12/24 VDC
Electrical Connection: DIN 43650A cable clamp



Product No
50.010A

300
1/4 • 3/8 • 1/2

MODULAIR 300

REPLACEMENT PARTS



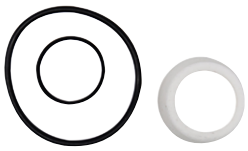
Product No 50.000A
Manual Drain
F, Fc, F/R 300 & 400



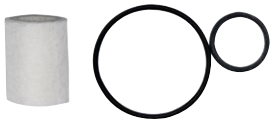
Product No 50.003A
Automatic Drain
F, Fc, F/R 300 & 400



Product No 50.032A
Relieving Diaphragm
R, F/R 300



Product No 50.031A
5 micron Element
F, F/R 300



Product No 50.076A
0.01 micron Element
Fc 300



Product No 50.802A
Standard Bowl (Manual Drain)
F, Fc, F/R 300



Product No 50.803A
Metal Bowl (Manual Drain)
F, Fc, F/R 300



Product No 50.830A
Standard Bowl (Automatic Drain)
F, Fc, F/R 300



Product No 50.832A
Metal Bowl (Automatic Drain)
F, Fc, F/R 300



Product No 50.808A
Standard Bowl
L 300



Product No 50.809A
Metal Bowl
L 300



Product No 50.036A
Differential Pressure Indicator
Fc 300



Product No 55.415
Replacement Gauge 0-160 PSI
R, F/R 300



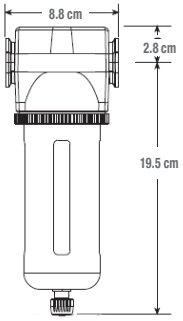
Product No 50.060A
Quick Fill Cap
L 300

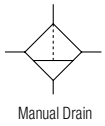
400
1/2 • 3/4

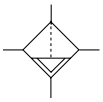
MODULAIR 400

FILTERS






Manual Drain


Automatic Drain

- **Modular or inline mounting**
- **High flow capacity**
- **Designed to remove particulate material to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

Maximum Airflow at 100 PSI:
1/2: 130 SCFM • 3/4: 160 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Working Pressure:
Standard Bowl with Manual Drain: 0-150 PSI
Standard Bowl with Auto Drain: 30-150 PSI
Metal Bowl with Manual Drain: 0-200 PSI
Metal Bowl with Auto Drain: 30-200 PSI

Filtration: 5 micron

Drain: Manual or automatic

Bowl Capacity: 270 ml

Standard Bowl: Polycarbonate with steel shatterguard

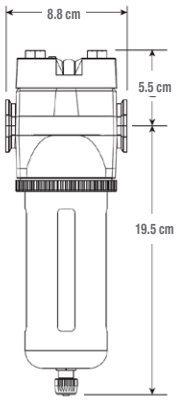
Metal Bowl: Aluminum with clear nylon sight glass

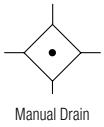
Seals: Nitrile

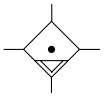
STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.140A	50.141A	50.142A	50.143A	1/2
50.150A	50.151A	50.152A	50.153A	3/4

COALESCING FILTERS






Manual Drain


Automatic Drain

- **Modular or inline mounting**
- **High flow capacity**
- **Designed to remove particulate material 99.98 % of free oil and solid contaminants 0.01 micron and larger**
- **Differential pressure gauge to indicate when filter element needs changing**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

Maximum Airflow at 100 PSI:
1/2: 65 SCFM • 3/4: 70 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Working Pressure:
Standard Bowl with Manual Drain: 0-150 PSI
Standard Bowl with Auto Drain: 30-150 PSI
Metal Bowl with Manual Drain: 0-200 PSI
Metal Bowl with Auto Drain: 30-200 PSI

Filtration: 0.01 micron

Drain: Manual or automatic

Bowl Capacity: 270 ml

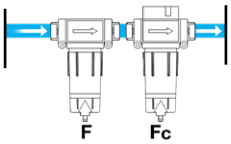
Standard Bowl: Polycarbonate with steel shatterguard

Metal Bowl: Aluminum with clear nylon sight glass

Seals: Nitrile

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter



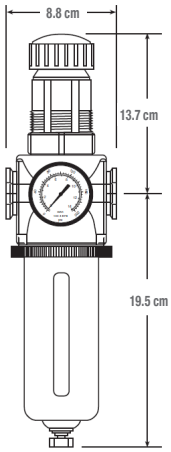
STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.945A	50.946A	50.947A	50.948A	1/2
50.959A	50.960A	50.962A	50.963A	3/4

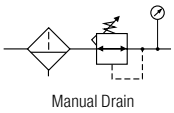
400
1/2 • 3/4

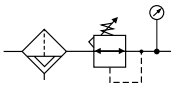
MODULAIR 400

FILTER/REGULATORS
GAUGE INCLUDED






Manual Drain


Automatic Drain

- **Modular or inline mounting**
- **High flow capacity**
- **Designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

Maximum Airflow at 100 PSI:
1/2: 120 SCFM • 3/4: 120 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl: 200 PSI

Pressure Range:
Standard Bowl with Manual Drain: 0-125 PSI
Standard Bowl with Auto Drain: 30-125 PSI
Metal Bowl with Manual Drain: 0-125 PSI
Metal Bowl with Auto Drain: 30-125 PSI

Panel Mounting:
52 mm hole required

Drain: Manual or automatic

Bowl Capacity: 270 ml

Seals: Nitrile

STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.240A	50.241A	50.242A	50.243A	1/2
50.250A	50.251A	50.252A	50.253A	3/4

REGULATORS
GAUGE INCLUDED







- **Modular or inline mounting**
- **High flow capacity**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

Maximum Airflow at 100 PSI:
1/2: 80 SCFM • 3/4: 90 SCFM

Ambient/Media Temperature: 4 to 52 °C

Maximum Working Pressure: 300 PSI

Pressure Range: 0-125 PSI

Panel Mounting: 52 mm hole required

Valve: Brass

Valve Cap: Nylon

Seals: Nitrile

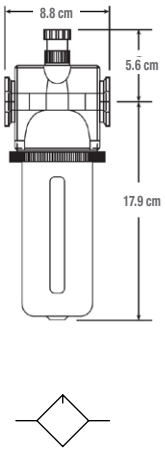
Product No	Port Size (F) NPT
50.340A	1/2
50.350A	3/4

400
1/2 • 3/4

MODULAIR 400

LUBRICATORS





- **Modular or inline mounting**
- **High flow capacity**
- **Precision needle valve assures repeatable oil delivery**
- **Sight feed design — transparent dome to show oil delivery**
- **External oil delivery adjusting knob**
- **Front mounted clamping design with encapsulated screws**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

Maximum Airflow at 100 PSI:
1/2: 110 SCFM • 3/4: 170 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl: 4 to 80 °C

Working Pressure:
Standard Bowl: 0-150 PSI
Metal Bowl: 0-200 PSI

Bowl Capacity: 270 ml

Standard Bowl: Polycarbonate with steel shatterguard

Metal Bowl: Aluminum with clear nylon sight glass

Seals: Nitrile

STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
50.440A	50.442A	1/2
50.450A	50.452A	3/4

AIR TOOL OILS

SYNTHETIC OIL FOR EXTREME TEMPERATURES

Detergent-free synthetic formula, with polyalphaolefins for optimum speed and power of air tools



PREMIUM MINERAL OIL

Detergent-free mineral formula for maximum output and superior performance of air tools



For more details on oils, see Series 69

400
1/2 • 3/4

MODULAIR 400

F+R+L COMBINATION UNITS
GAUGE INCLUDED

- **Designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design regulator**
- **Push-pull adjusting knob**
- **Transparent dome shows oil delivery**
- **External oil delivery adjusting knob — removable for tamper resistance**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

Maximum Airflow at 100 PSI (with or without valve):
1/2: 100 SCFM • 3/4: 120 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl: 200 PSI

Filtration: 5 micron

Drain: Manual or automatic

Bowl Capacity: 270 ml

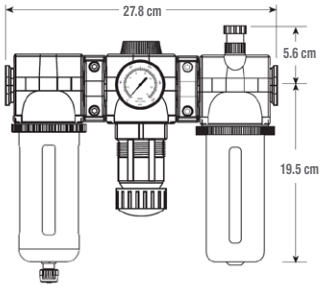
Standard Bowl: Polycarbonate with steel shatterguard

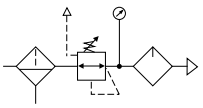
Metal Bowl: Aluminum with clear nylon sight glass

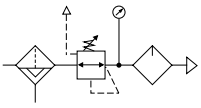
Seals: Nitrile








Manual Drain


Automatic Drain



Lockout Valve

F+R+L

Product No	Bowl Type	Drain Type	Inlet Pressure	Port Size (F) NPT
50.540A	**Standard**	Manual	0-125 PSI	1/2
50.541A	**Standard**	Auto	30-125 PSI	1/2
50.542A	**Metal**	Manual	0-125 PSI	1/2
50.543A	**Metal**	Auto	30-125 PSI	1/2
50.550A	**Standard**	Manual	0-125 PSI	3/4
50.551A	**Standard**	Auto	30-125 PSI	3/4
50.552A	**Metal**	Manual	0-125 PSI	3/4
50.553A	**Metal**	Auto	30-125 PSI	3/4

- **F+R+L assemblies are the most widely used**

F+R+L WITH LOCKOUT VALVE

Product No	Bowl Type	Drain Type	Inlet Pressure	Port Size (F) NPT
50.541A1	**Standard**	Auto	30-125 PSI	1/2
50.543A1	**Metal**	Auto	30-125 PSI	1/2
50.551A1	**Standard**	Auto	30-125 PSI	3/4
50.553A1	**Metal**	Auto	30-125 PSI	3/4

- **Provides positive lockout of supply air and exhausting of dowstream air**
- **Can be padlocked only in the closed position**

400
1/2 • 3/4

MODULAIR 400

F/R+L COMBINATION UNITS
GAUGE INCLUDED

- **Designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Superior removal of free water up to 98% efficiency**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design regulator**
- **Push-pull adjusting knob**
- **Transparent dome shows oil delivery**
- **External oil delivery adjusting knob — removable for tamper resistance**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

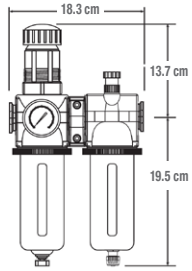
Maximum Airflow at 100 PSI (with or without valve):
1/2: 120 SCFM • 3/4: 130 SCFM

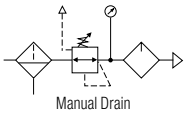
Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

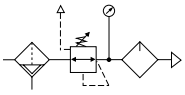
Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl: 200 PSI

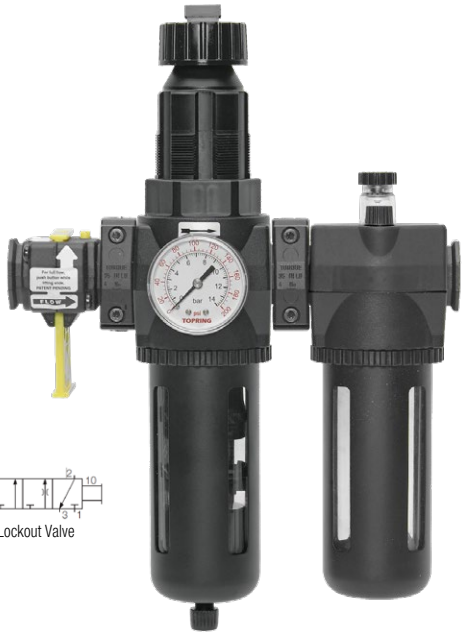
Filtration: 5 micron
Drain: Manual or automatic
Bowl Capacity: 270 ml
Standard Bowl: Polycarbonate with steel shatterguard
Metal Bowl: Aluminum with clear nylon sight glass
Seals: Nitrile

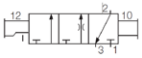





Manual Drain


Automatic Drain




Lockout Valve

F/R+L

Product No	Bowl Type	Drain Type	Inlet Pressure	Port Size (F) NPT
50.640A	**Standard**	Manual	0-125 PSI	1/2
50.641A	**Standard**	Auto	30-125 PSI	1/2
50.642A	**Metal**	Manual	0-125 PSI	1/2
50.643A	**Metal**	Auto	30-125 PSI	1/2
50.650A	**Standard**	Manual	0-125 PSI	3/4
50.651A	**Standard**	Auto	30-125 PSI	3/4
50.652A	**Metal**	Manual	0-125 PSI	3/4
50.653A	**Metal**	Auto	30-125 PSI	3/4

- **F/R+L assemblies provide the compactness needed where space is limited**

F/R+L WITH LOCKOUT VALVE

Product No	Bowl Type	Drain Type	Inlet Pressure	Port Size (F) NPT
50.641A1	**Standard**	Auto	30-125 PSI	1/2
50.643A1	**Metal**	Auto	30-125 PSI	1/2
50.651A1	**Standard**	Auto	30-125 PSI	3/4
50.653A1	**Metal**	Auto	30-125 PSI	3/4

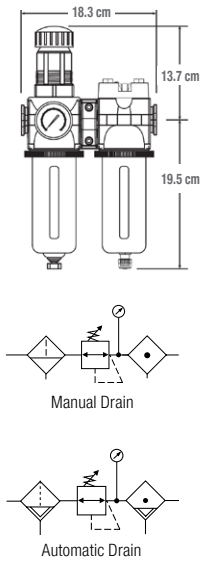
- **Provides positive lockout of supply air and exhausting of dowstream air**
- **Can be padlocked only in the closed position**

400
1/2 • 3/4

MODULAIR 400

F/R+Fc COMBINATION UNITS
GAUGE INCLUDED





- **High performance combination with 2 units**
- **High-flow design**
- **Designed to remove particulate material down to 5 micron from the airstream to protect downstream equipment**
- **Filter with superior removal of free water up to 98% efficiency**
- **Coalesing-filter designed to remove particulate material 99.98% of free oils and solid contaminants 0.01 micron and larger**
- **Coalesing-filter with differential pressure gauge to indicate when coalescing filter element needs changing**
- **Superior pressure regulation — diaphragm type regulator**
- **Self relieving design**
- **Push-pull adjusting knob**

Specifications

Port Size: 1/2 (F) NPT • 3/4 (F) NPT

Maximum Air low at 100 PSI: 1/2:
65 SCFM • 3/4: 70 SCFM

Ambient/Media Temperature:
Standard Bowl: 4 to 52 °C
Metal Bowl with Manual Drain: 4 to 80 °C
Metal Bowl with Auto Drain: 4 to 66 °C

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl: 200 PSI

Pressure Range:
Standard Bowl with Manual Drain: 0-125 PSI
Standard Bowl with Auto Drain: 30-125 PSI
Metal Bowl with Manual Drain: 0-125 PSI
Metal Bowl with Auto Drain: 30-125 PSI

Filtration: (F) 5 micron
Filtration: (Fc) 0.01 micron
Drain: Manual or automatic
Bowl Capacity: 270 ml

Standard Bowl:
Polycarbonate with steel shatterguard

Metal Bowl:
Aluminum with clear nylon sight glass

Seals: Nitrile

STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
50.675A	50.676A	50.677A	50.678A	1/2
50.680A	50.681A	50.682A	50.683A	3/4

VENTING SAFETY LOCKOUT VALVE



- Complies with CSA Z460 Standard and OSHA Standard 29 CFR Part 10
- 3 port/2 position shut off valve relieves downstream pressure when closed
- Can be locked in the closed position only with standard padlock

400
1/2 • 3/4

MODULAIR 400



ACCESSORIES

VENTING SAFETY LOCKOUT VALVES

- Complies with CSA Z460 Standard and OSHA Standard 29 CFR Part 10
- 3 port/2 position shut off valve relieves downstream pressure when closed
- Can be locked in the closed position only





Product No	Port Size
50.785A	1/2 (F) NPT
50.786A	3/4 (F) NPT

EXTRA PORT BLOCKS

- An extra port can be placed between modules to provide 2 auxiliary ports
- Its mounting position can be rotated to obtain the most convenient operating orientation
- If only one auxiliary port is to be used, the unused port must be sclosed with a pipe plug



Product No	Auxiliary Port Size
50.792A	1/4 (F) NPT
50.793A	3/8 (F) NPT
50.794A	1/2 (F) NPT

PIPING ADAPTERS

- Designed to install or remove basic units without altering the threaded pipe connections
- Either female or male can be attached to threaded inlet and outlet lines
- The end ports are attached to the modules with clamps



Product No	Port Size
50.951A	1/4 (F) NPT
50.952A	3/8 (F) NPT
50.953A	1/2 (F) NPT
50.954A	3/4 (F) NPT
50.964A	1/4 (M) NPT
50.965A	3/8 (M) NPT
50.966A	1/2 (M) NPT
50.967A	3/4 (M) NPT

CLAMP FOR MODULE CONNECTIONS

- Designed to provide a quick and easy assembly or dissassembly of 300 and 400 modules
- 2 allen-head bolts quickly tighten or loosen the clamp using a 5/32 or 4 mm hex key
- the clamp contains a plate carrying 2 O-rings to provide positive sealing between modules



Product No
50.766A

MOUNTING BRACKET

- 2 brakets are normally used to mount a FRL to a vertical surface
- The mounting bracket attaches to the module connectiong clamp with a single screw
- Each mounting bracket employs 2 bolts (1/4 or 6 mm) to connect the assembly to the mounting surface



Product No
50.767A

COMBINED BRACKET AND CLAMP



Product No
50.765A

REGULATOR AND FILTER/REGULATOR MOUNTING BRACKET KIT

- Regulators and filter/regulators can be mounted to a surface with a bracket that attaches to the regulator
- Kit includes both bracket and mounting nut



Product No
50.723A

PRESSURE SWITCH

- Pressure switches provide an electrical signal to warn or prevent over -or - under pressurization which can be harmful to a machine or process
- The pressure is adjustable
- Switches are sealed, vibration resistant and built to provide reliable protection

Adjustment Range: 25-100 PSI
Pipe Size: 1/4 (M) NPT
5 AMP, 125/250 VAC or 12/24 VDC
Electrical Connection: DIN 43650A cable clamp



Product No
50.010A

400
1/2 • 3/4

MODULAIR 400

REPLACEMENT PARTS



Product No 50.000A
Manual Drain
F, Fc, F/R 300 & 400



Product No 50.003A
Automatic Drain
F, Fc, F/R 300 & 400



Product No 50.014A
Relieving Diaphragm
R, F/R 400



Product No 50.041A
5 micron Element
F, F/R 400



Product No 50.080A
0.01 micron Element
Fc 400



Product No 50.804A
Standard Bowl (Manual Drain)
F, Fc, F/R 400



Product No 50.805A
Metal Bowl (Manual Drain)
F, Fc, F/R 400



Product No 50.840A
Standard Bowl (Automatic Drain)
F, Fc, F/R 400



Product No 50.842A
Standard Bowl (Automatic Drain)
F, Fc, F/R 400



Product No 50.810A
Standard Bowl
L 400



Product No 50.811A
Metal Bowl
L 400



Product No 55.415
Replacement Gauge 0-160 PSI
R, F/R 400



Product No 50.037A
Differential Pressure Indicator
Fc 400

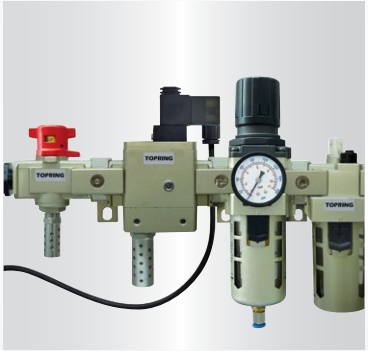


Product No 50.061A
Quick Fill Cap
L 400

NOTES

AIRFLO
Filters, regulators and lubricators









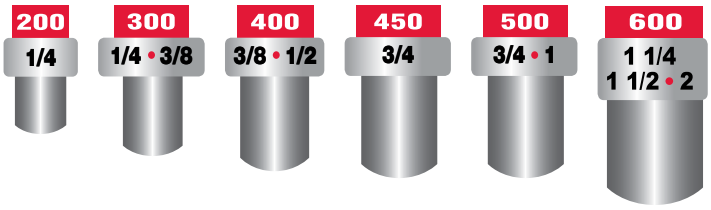
Group 3 • Series 51

TOPRING

Compressed air solutions

AIRFLO

FILTERS, REGULATORS AND LUBRICATORS



Features and benefits

- High performance filtration, regulation and lubrication
- Quick and easy mounting and removal with modular system
- Compact size for easy installation
- 6 model sizes (200, 300, 400, 450, 500 and 600) and 8 port sizes (1/4, 3/8, 1/2, 3/4, 1 in, 1-1/4, 1-1/2 and 2 in) to provide solutions for most applications
- Flow rates available:
  From 1/4 to 1 in: 18 to 283 SCFM
  From 1-1/4 to 2 in: 405 to 775 SCFM
- Modular concept using spacers and brackets to make connecting and mounting simple and easy (200, 300, 400, 450 and 500)
- Models 200, 300, 400, 450 and 500 are offered with polycarbonate bowls with guard or with aluminum bowls
- Models 600 are offered only with aluminum bowls
- Slow start valves available with models 200, 300 and 400
- Precision regulators available with models 300 and 400
- Bayonet type bowl locking system
- Silicone-free assembly lubricant

Materials

Body Material: Die cast aluminum

Bowl Type: Polycarbonate with steel guard / Aluminum

Bowl Guard: Steel

Regulation Type: Relieving

Filter Element:
200 • 300 • 400 • 450 • 500 (filter): Polyethylene, 5 micron
300 • 400 • 450 • 500 (coalescing filter): Fiberglass paper, 0.3 micron
600 (filter): Sintered bronze 5 micron

Deflector & Spinner: ABS

O-Rings & Seals: EPDM rubber

Regulator Cap: 200 • 300: Reinforced nylon
400 • 450 • 500 • 600: Die cast aluminum

Regulator Adjusting Knob: Reinforced nylon

Diaphragm: EPDM rubber

Poppet Valve: Brass and rubber

Regulator Spring: Stainless steel

Lubricator Sight Gauge: Polycarbonate

Fill Plug: ABS

Retainer: ABS

Lubricator Adjusting Knob: ABS

Check Flap: Polyurethane

Specifications

Maximum Working Pressure: 150 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Coalescing filtration: 0.3 micron

Drain Semi-automatic or automatic drain



AIRFLO products available in stainless steel, see pages 38 to 41

AIRFLO

MODULARITY
SAVES TIME AND MONEY

AIRFLO modular FRL units are easy to put together, take apart and install.

Units are simply mounted together using the provided spacers and O-ring seals, without the need for inconvenient brass pipe nipples.

Installation is easy, especially when using the provided piping adapters (models 200, 300, 400 and 500).

The unit is installed by simply screwing the piping adapters onto the two ends of the airline and securing the FRL unit into place with the provided spacers, screws and O-ring seals.

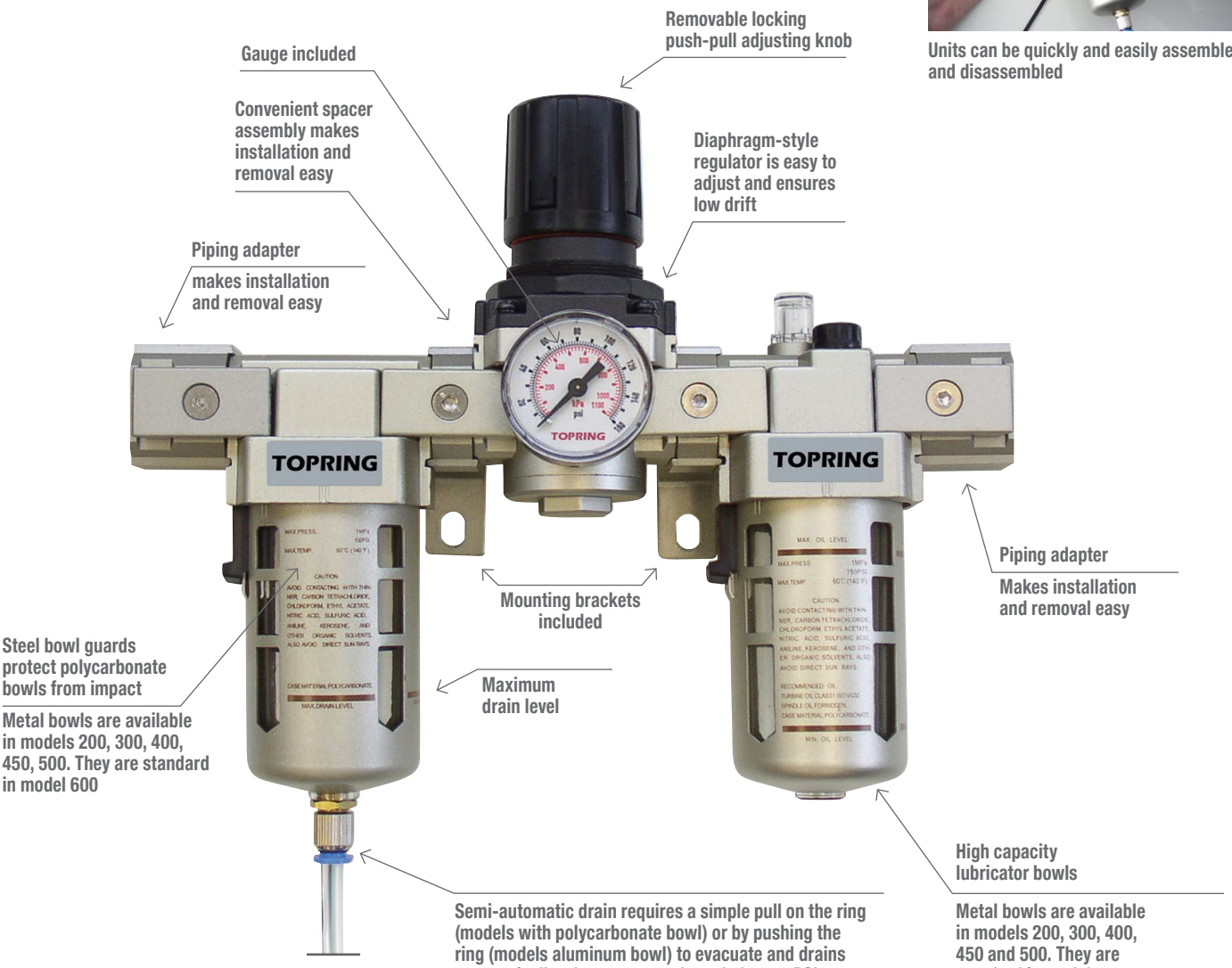
Removal for maintenance purposes is just as simple, requiring only the removal of the retaining screws and spacers in order to remove the unit.



Assembly is simple using Allen key



Units can be quickly and easily assembled and disassembled



AIRFLO

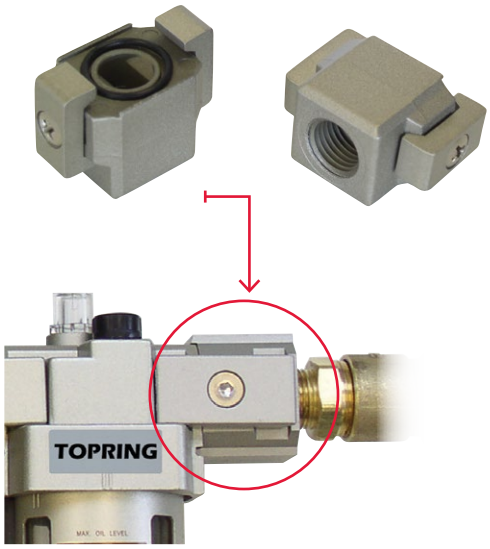
TRUE MODULARITY COMES WITH THE USE OF PIPING ADAPTERS

The biggest challenge with standard type FRL units requiring brass pipe fittings is screwing the unit onto opposing ends of airline piping (while tightening one end, the other end is being loosened).

With the piping adapters provided with TOPRING AIRFLO modular FRL, the unit is installed by simply screwing the piping adapters onto the two ends of the airline and securing the FRL unit into place with the provided spacers, screws and O-ring seals.

Removal for maintenance purposes is just as simple, requiring only the removal of the retaining screws and spacers in order to remove the unit.

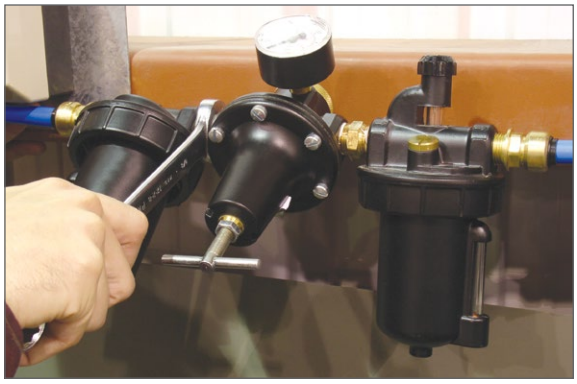
Piping adapters are therefore the ideal method for allowing simple and easy installation and removal of FRL units.



STANDARD TYPE ⟶ VERY DIFFICULT

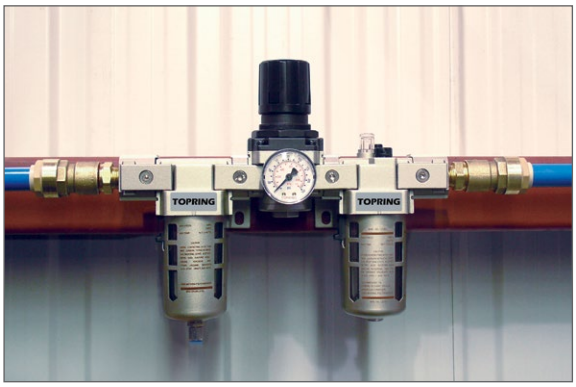


Standard FRLs using brass pipe nipples

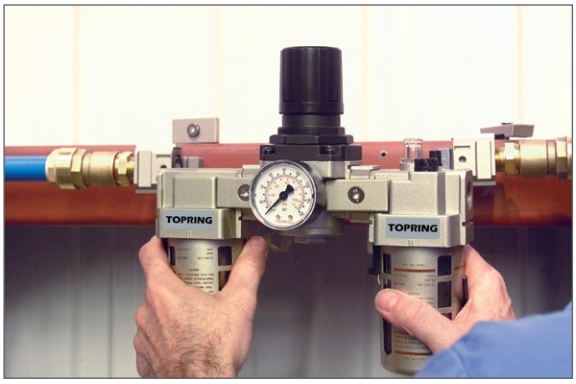


This makes maintenance very difficult

MODULAR TYPE ⟶ VERY EASY



Modular AIRFLO FRLs with pipe adapters make for a very neat installation

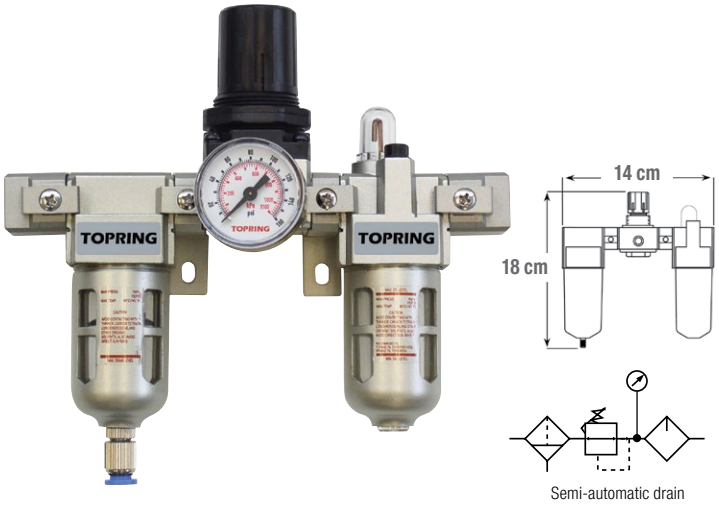


Removal is very easy, since the piping adapters allow the unit to slide out

AIRFLO 200

COMBINATION UNITS F+R+L

GAUGE INCLUDED



- Easy removal of individual units
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting brackets included

Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 18 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 6 mm O.D. tubing
Metal Bowl: Semi-automatic • (F) M5

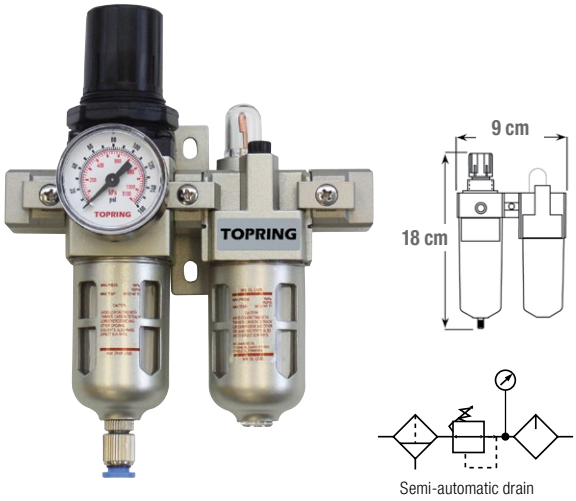
Bowl Capacity: 15 ml filter – 25 ml lubricator

Pressure Gauge Port Size: 1/8 (F) NPT

STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.210	51.212	1/4

COMBINATION UNITS F/R + L

GAUGE INCLUDED



- Compact design with space saving integrated F/R
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting bracket included

Specifications

Port Size: 1/4 (F) NPT

Maximum at 100 PSI: 18 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 6 mm O.D. tubing
Metal Bowl: Semi-automatic • (F) M5

Bowl Capacity: 15 ml filter – 25 ml lubricator

Pressure Gauge Port Size: 1/8 (F) NPT

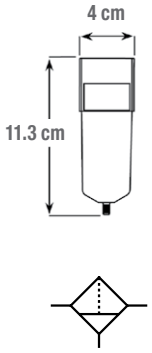
STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.220	51.222	1/4

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

AIRFLO 200

FILTERS





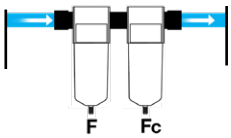
- Compact size
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow at 100 PSI: 26 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 6 mm O.D. tubing
Metal Bowl: Semi-automatic • (F) M5
Bowl Capacity: 15 ml

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter

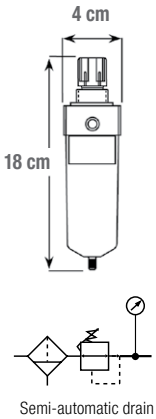


STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.260	51.262	1/4

FILTER/REGULATORS

GAUGE INCLUDED





- Space saving integrated filter/regulator design
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow at 100 PSI: 19 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 6 mm O.D. tubing
Metal Bowl: Semi-automatic • (F) M5
Bowl Capacity: 15 ml
Pressure Gauge Port Size: 1/8 (F) NPT

STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.250	51.252	1/4

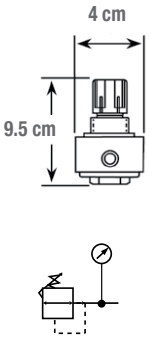
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

AIRFLO 200

REGULATORS

GAUGE INCLUDED





- Compact size
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

Specifications

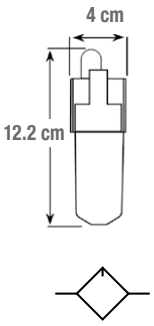
Port Size: 1/4 (F) NPT
Maximum Airflow at 100 PSI: 19 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Pressure Gauge Port Size: 1/8 (F) NPT

Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
51.240*	5 - 125	1/4	**55.120**
51.241	5 - 60	1/4	**55.105**
51.242	5 - 30	1/4	**55.100**

* Popular model

LUBRICATORS





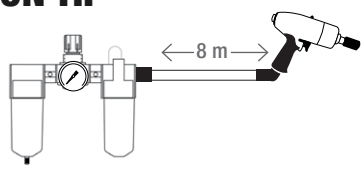
- Compact size
- Lubrication proportioned to airflow
- Mounting bracket included

Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow at 100 PSI: 28 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Bowl Capacity: 25 ml

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application



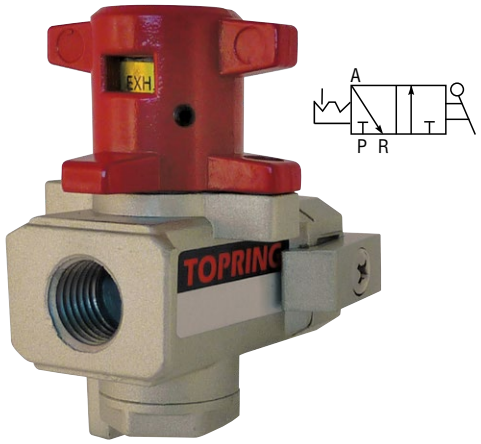
STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.230	51.232	1/4

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

200 1/4

AIRFLO 200

VENTING SAFETY LOCKOUT VALVE



- Shut off valve for closing flow to or from AIRFLO FRL units
- 3 port/2 position valve relieves downstream pressure when closed
- Can be locked in the closed position
- Can be mounted directly to AIRFLO components using standard AIRFLO spacers included
- Threaded ports also allow in-line usewith other components
- Accepts standard single padlock or safety lock for multiple lockout
- Mounting bracket included
- Meets OSHA Standard 29 CFR Part 10



Specifications

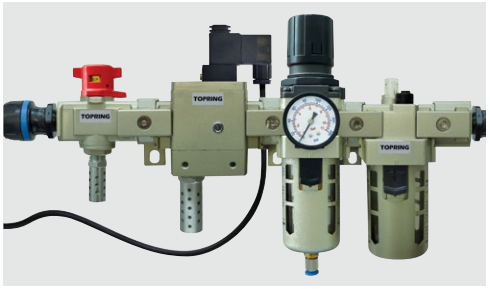
Maximum Working Pressure: 150 PSI

Product No	Port Size (F) NPT	Vent Port (F) NPT	Locking Hole (mm)	Recommended Muffler
51.270	1/4	1/8	6	**86.600**

SOFT START VALVES

The soft start valve allows control of a system's compressed air supply by an electrical signal. The signal gradually opens the valve preventing potential hammer effects that can cause damage to sensitive equipment such as regulators. When the signal is cut off, the valve shuts the air supply and vents the system's pressure.

- Combines soft start and quick exhaust valve in same body
- Can be mounted directly to AIRFLO components using the included standard AIRFLO spacers
- Threaded ports also allow in-line use with other **TOPRING** components





Product No	Port Size (F) NPT	Voltage
51.295	1/4	110 VAC
51.295.03	1/4	24 VDC

Specifications

Port Size: 1/4 F) NPT
Maximum Airflow at 100 PSI: 86 SCFM
Pressure Range: 44 to 145 PSI
Working Temperature: 0 to 60 °C
Exhaust Port: 1/4 (F) NPT

INSTALLATION TIP

Unit is to be installed upstream of a combination FRL unit and downstream of a venting safety lockout valve

HOW IT WORKS

When the valve is installed on a compressed air system and no electrical signal is received by the pilot operator, the air is blocked. When an electrical signal is received by the pilot, the valve shifts to open. Upon opening, the airflow begins at a slow rate controlled by the needle valve. When the downstream pressure reaches approximately 50% of the supply pressure, the main valve opens allowing full flow through the valve into the system. If the pilot electrical signal or system pressure is lost, the valve will return to its initial position, venting the downstream pressure.

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

200
1/4

REPLACEMENT PARTS AND REPAIR KITS FOR AIRFLO 200



Product No 51.090.05
Element 5 micron
for AIRFLO 200 **F**, **F/R**



Product No 51.800
Poly. bowl w / guard
(semi-auto drain)
for AIRFLO 200 **F**, **F/R**



Product No 51.801
Metal Bowl (semi-auto drain)
for AIRFLO 200 **F**, **F/R**



Product No 51.850
Poly. bowl w / guard
for AIRFLO 200 **L**



Product No 51.849
Metal Bowl
for AIRFLO 200 **L**



Product No 51.122
Diaphragm & piston
for AIRFLO 200 **R**, **F/R**



Product No 51.851
Sight dome
for AIRFLO 200 **L**



Replacement gauges
for AIRFLO 200 **R**, **F/R**

Product No 55.100 0-30 PSI
Product No 55.105 0-60 PSI
Product No 55.120 0-160 PSI



Product No 51.950
Piping adapters 1/4 (F) NPT (2)
for AIRFLO 200



Product No 51.030
Spacer w / L-type bracket
for AIRFLO 200



Product No 51.005
Spacer w / T-type bracket
for AIRFLO 200



Product No 51.070
Mounting bracket
for AIRFLO 200 **F**, **L**



Product No 51.050
Mounting bracket
for AIRFLO 200 **R**, **F/R**



Product No 51.115
Mounting nut
for AIRFLO 200 **R**, **F/R**

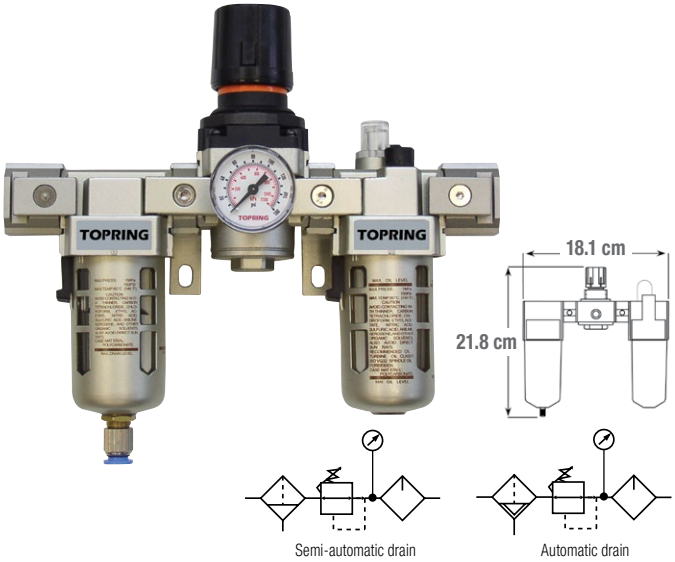
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

300
1/4 • 3/8

AIRFLO 300

COMBINATION UNITS F+R+L

GAUGE INCLUDED



- Easy removal of individual units
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting brackets included

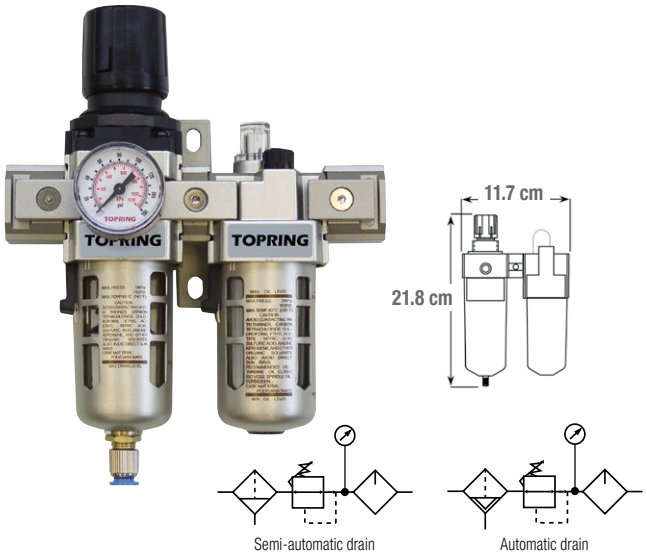
Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT
Maximum Airflow at 100 PSI: 53 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 20 ml filter – 50 ml lubricator
Pressure Gauge Port Size: 1/8 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.310	51.311	51.312	51.313	1/4
51.315	51.316	51.317	51.318	3/8

COMBINATION UNITS F/R + L

GAUGE INCLUDED



- Compact design with space saving integrated filter/regulator
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting brackets included

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT
Maximum Airflow at 100 PSI: 60 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 20 ml filter – 50 ml lubricator
Pressure Gauge Port Size: 1/8 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.320	51.321	51.322	51.323	1/4
51.325	51.326	51.327	51.328	3/8

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

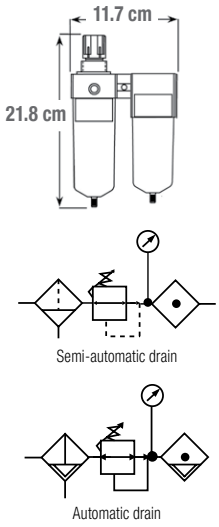
300
1/4 • 3/8

AIRFLO 300

COMBINATION UNITS F/R+Fc

GAUGE INCLUDED





- Compact design with space saving integrated filter/regulator
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Pressure gauge, piping adapters and mounting bracket included

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT

Maximum Airflow at 100 PSI: 28 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron filter – 0.3 micron coalescing filter

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

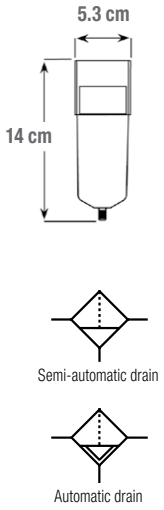
Bowl Capacity: 20 ml filter/regulator – 45 ml coalescing filter

Pressure Gauge Port Size: 1/8 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.300	51.301	51.302	51.303	1/4
51.305	51.306	51.307	51.308	3/8

FILTERS





- Compact size
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple tug of the ring to drain
- Mounting bracket included

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT

Maximum Airflow at 100 PSI: 53 SCFM

Maximum Working Pressure: 150 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 20 ml

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.360	51.361	51.362	51.363	1/4
51.365	51.366	51.367	51.368	3/8

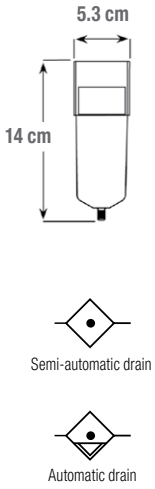
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

300
1/4 • 3/8

AIRFLO 300

COALESCING FILTERS





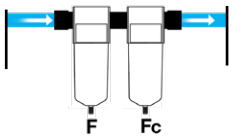
- Compact size
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 1/4 (F) NPT • **3/8 (F) NPT**
Maximum Airflow at 100 PSI: 28 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Filtration: 0.3 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 45 ml

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter

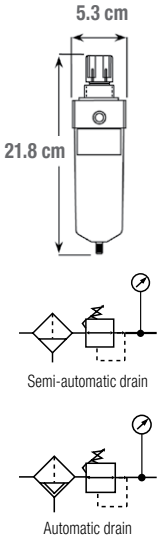


STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.380	51.381	51.382	51.383	1/4
51.385	51.386	51.387	51.388	3/8

FILTER/REGULATORS

GAUGE INCLUDED





- Space saving integrated filter/regulator design
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT
Maximum Airflow at 100 PSI: 70 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 20 ml
Pressure Gauge Port Size: 1/8 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.350	51.351	51.352	51.353	1/4
51.355	51.356	51.357	51.358	3/8

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

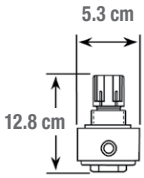
300
1/4 • 3/8

AIRFLO 300

REGULATORS

GAUGE INCLUDED







- Compact size
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

Specifications

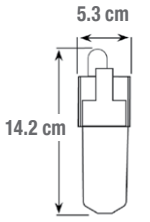
Port Size: 1/4 (F) NPT • 3/8 (F) NPT
Maximum Airflow at 100 PSI: 88 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Pressure Gauge Port Size: 1/8 (F) NPT

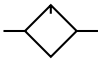
Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
51.340*	5 - 125	1/4	**55.120**
51.341	5 - 60	1/4	**55.105**
51.342	5 - 30	1/4	**55.100**
51.345*	5 - 125	3/8	**55.120**
51.346	5 - 60	3/8	**55.105**
51.347	5 - 30	3/8	**55.100**

* Popular model

LUBRICATORS







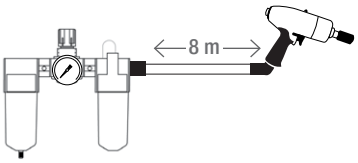
- Compact size
- Lubrication proportioned to airflow
- Mounting bracket included

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT
Maximum Airflow at 100 PSI: 60 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Bowl Capacity: 50 ml

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application



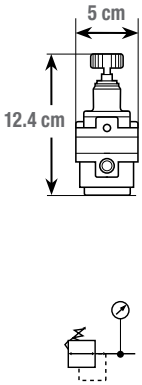
STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.330	**51.332**	1/4
51.335	**51.337**	3/8

300
1/4 • 3/8

AIRFLO 300

PRECISION REGULATOR
GAUGE INCLUDED





Product No	Pressure Range PSI	Port Size (F) NPT
51.389	1.5 - 29	1/4

- Compact size
- Accurate pressure control with little drift
- Ideal for applications calling for constant pressure with wide variation of flow
- High sensitivity under varying conditions
- Diaphragm operated with large surface area and aspiration for quick and precise regulation
- May be installed on panel, on wall or in modularity with AIRFLO 300
- Mounting bracket included

Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow at 100 PSI: 41 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Precision: ± 0.2% full scale
Pressure Gauge Port Size: 1/8 (F) NPT

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

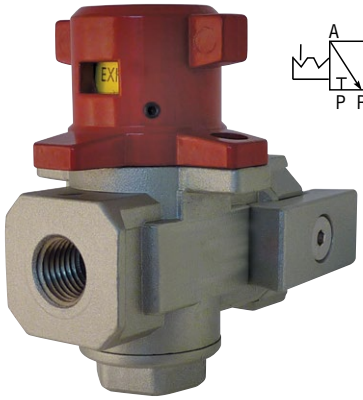
300
1/4 • 3/8

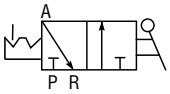
AIRFLO 300

VENTING SAFETY LOCKOUT VALVES









- Shut off valve for closing flow to or from AIRFLO FRL units
- 3 port/2 position valve relieves downstream pressure when closed
- Can be locked in the closed position
- Can be mounted directly to AIRFLO components using standard AIRFLO spacers included
- Threaded ports also allow in-line use with other components
- Accepts standard single padlock or safety lock for multiple lockout
- Mounting bracket included
- Meets OSHA Standard 29 CFR Part 10

Specifications

Maximum Working Pressure: 150 PSI

Product No	Port Size (F) NPT	Vent Port (F) NPT	Locking Hole (mm)	Recommended Muffler
51.370	1/4	1/4	7.5	**86.605**
51.375	3/8	1/4	7.5	**86.605**

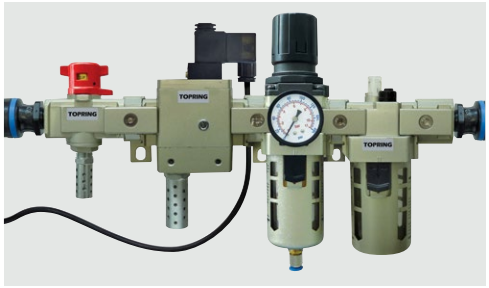
SOFT START VALVES

The soft start valve allows control of a system's compressed air supply by an electrical signal. The signal gradually opens the valve preventing potential hammer effects that can cause damage to sensitive equipment such as regulators. When the signal is cut off, the valve shuts the air supply and vents the system's pressure.



Product No	Port Size (F) NPT	Voltage
51.395	3/8	110 VAC
51.395.03	3/8	24 VDC

- Combines soft start and quick exhaust valve in same body
- Can be mounted directly to AIRFLO components using the included standard AIRFLO spacers
- Threaded ports also allow in-line use with other TOPRING components



Specifications

Port Size: 3/8 (F) NPT
Maximum Airflow at 100 PSI: 115 SCFM
Pressure Range: 44 to 145 PSI
Working Temperature: 0 to 60 °C
Exhaust Port: 3/8 (F) NPT

INSTALLATION TIP

Unit is to be installed upstream of a combination FRL unit and downstream of a venting safety lockout valve

HOW IT WORKS

When the valve is installed on a compressed air system and no electrical signal is received by the pilot operator, the air is blocked. When an electrical signal is received by the pilot, the valve shifts to open. Upon opening, the airflow begins at a slow rate controlled by the needle valve. When the downstream pressure reaches approximately 50% of the supply pressure, the main valve opens allowing full flow through the valve into the system. If the pilot electrical signal or system pressure is lost, the valve will return to its initial position, venting the downstream pressure.

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

300
1/4 • 3/8

REPLACEMENT PARTS AND REPAIR KITS FOR AIRFLO 300



Product No 51.002
Auto. drain
for AIRFLO 300 **F**, **Fc**, **F/R**



Product No 51.092.05
Element 5 micron
for AIRFLO 300 **F**, **F/R**



Product No 51.109
Element 0.3 micron
for AIRFLO 300 **Fc**



Product No 51.805
Standard Cowl w / guard (semi-auto drain) for AIRFLO 300 **F**, **Fc**, **F/R**



Product No 51.806
Metal Bowl (semi-auto drain)
for AIRFLO 300 **F**, **Fc**, **F/R**



Product No 51.815
Standard Bowl w / guard (auto drain)
for AIRFLO 300 **F**, **Fc**, **F/R**



Product No 51.816
Metal Bowl (auto drain)
for AIRFLO 300 **F**, **Fc**, **F/R**



Product No 51.855
Standard Bowl w / guard
for AIRFLO 300 **L**



Product No 51.854
Metal Bowl
for AIRFLO 300 **L**



Product No 51.133
Diaphragm & piston
for AIRFLO 300 **R**



Product No 51.134
Diaphragm & piston
for AIRFLO 300 **F/R**



Product No 51.856
Sight dome for AIRFLO 300-400-450-500 **L**



Replacement gauges
for AIRFLO 300 **R**, **F/R**

Product No 55.100 0-30 PSI
Product No 55.105 0-60 PSI
Product No 55.120 0-160 PSI



Product No 51.951
Piping adapters 1/4 (F) NPT (2)
for AIRFLO 300

Product No 51.952
Piping adapters 3/8 (F) NPT (2)
for AIRFLO 300



Product No 51.035
Spacer w / L-type bracket
for AIRFLO 300



Product No 51.010
Spacer w / T-type bracket
for AIRFLO 300



Product No 51.075
Mounting bracket
for AIRFLO 300 **F**, **Fc**, **L**



Product No 51.055
Mounting bracket
for AIRFLO 300 **R**, **F/R**



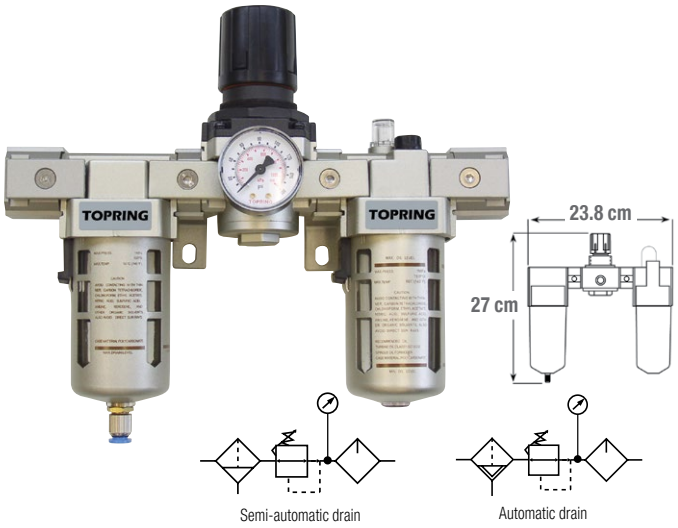
Product No 51.116
Mounting nut
for AIRFLO 300 **R**, **F/R**

400
3/8 • 1/2

AIRFLO 400

COMBINATION UNITS F+R+L

GAUGE INCLUDED



- Easy removal of individual units
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting brackets included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI: 141 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

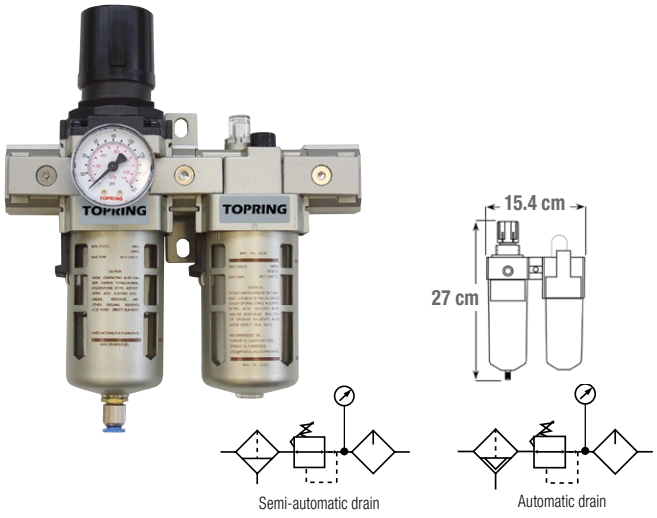
Bowl Capacity: 45 ml filter – 130 ml lubricator

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.410	51.411	51.412	51.413	3/8
51.415	51.416	51.417	51.418	1/2

COMBINATION UNITS F/R + L

GAUGE INCLUDED



- Compact design with space saving integrated filter/regulator
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting bracket included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI: 105 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 45 ml filter – 130 ml lubricator

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.420	51.421	51.422	51.423	3/8
51.425	51.426	51.427	51.428	1/2

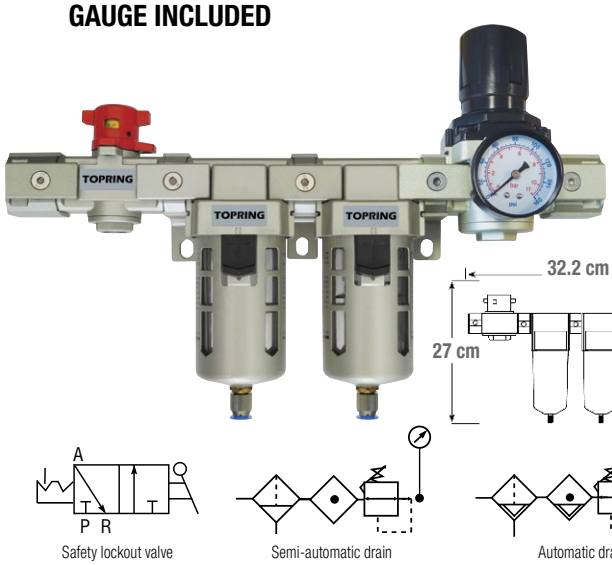
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

400
3/8 • 1/2

AIRFLO 400

COMBINATION UNITS V+F+Fc+R

GAUGE INCLUDED



- Easy removal of individual units
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Includes venting safety lockout valve for closing flow to or from AIRFLO F+Fc+R
- Shut off valve with 3 ports and 2 positions relieves downstream pressure when closed and can be locked in closed position.
- Pressure gauge, piping adapters and mounting brackets included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI: 71 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron filter – 0.3 micron coalescing filter

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

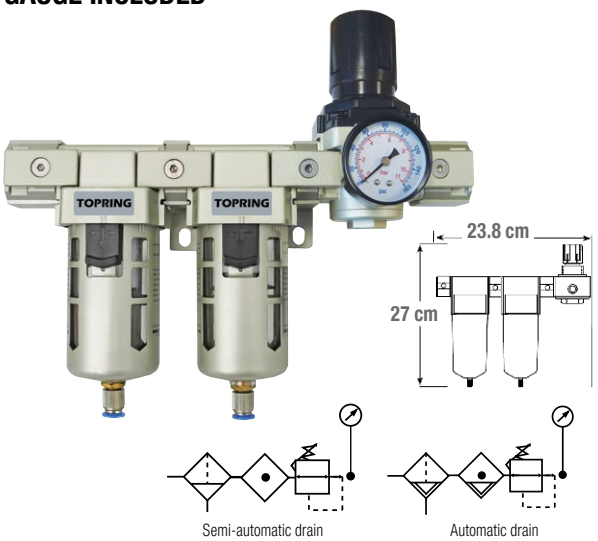
Bowl Capacity: 45 ml filter – 45 ml coalescing filter

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.496.01	51.497.01	51.498.01	51.499.01	3/8
51.407.01	51.408.01	51.403.01	51.404.01	1/2

COMBINATION UNITS F+Fc+R

GAUGE INCLUDED



- Easy removal of individual units
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Pressure gauge, piping adapters and mounting brackets included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI: 71 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron filter – 0.3 micron coalescing filter

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 45 ml filter – 45 ml coalescing filter

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.496	51.497	51.498	51.499	3/8
51.407	51.408	51.403	51.404	1/2

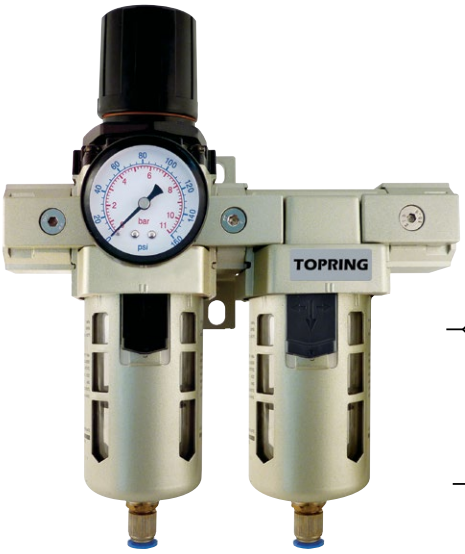
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

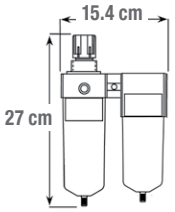
400
3/8 • 1/2

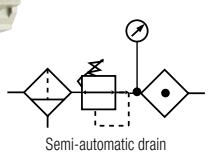
AIRFLO 400

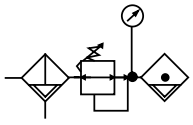
COMBINATION UNITS F/R+Fc

GAUGE INCLUDED






Semi-automatic drain


Automatic drain

- Compact design with space saving integrated filter/regulator
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Pressure gauge, piping adapters and mounting bracket included

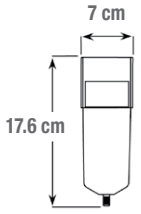
Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow at 100 PSI: 71 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron filter – 0.3 micron coalescing filter
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 45 ml filter/regulator – 45 ml coalescing filter
Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.397	51.398	51.399	51.400	3/8
51.405	51.406	51.401	51.402	1/2

FILTERS






Semi-automatic Drain


Automatic Drain

- Compact size
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow at 100 PSI: 141 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 45 ml

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.460	51.461	51.462	51.463	3/8
51.465	51.466	51.467	51.468	1/2

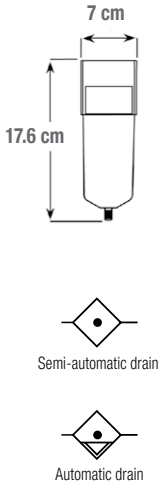
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

400
3/8 • 1/2

AIRFLO 400

COALESCING FILTERS





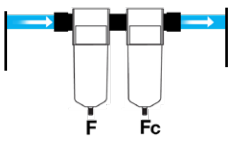
- Compact size
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow at 100 PSI: 71 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Filtration: 0.3 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 45 ml

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter

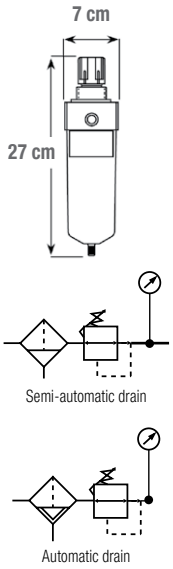


STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.480	51.481	51.482	51.483	3/8
51.485	51.486	51.487	51.488	1/2

FILTER/REGULATORS

GAUGE INCLUDED





- Space saving integrated filter/regulator design
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow at 100 PSI: 141 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 45 ml
Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.450	51.451	51.452	51.453	3/8
51.455	51.456	51.457	51.458	1/2

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

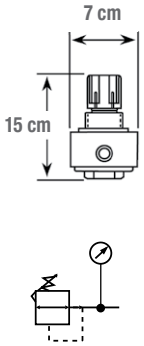


AIRFLO 400

REGULATORS

GAUGE INCLUDED





- Compact size
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

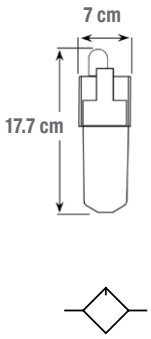
Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow at 100 PSI: 212 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Pressure Gauge Port Size: 1/4 (F) NPT

Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
51.440*	5 - 125	3/8	**55.415**
51.441	5 - 60	3/8	**55.405**
51.442	5 - 30	3/8	**55.400**
51.445*	5 - 125	1/2	**55.415**
51.446	5 - 60	1/2	**55.405**
51.447	5 - 30	1/2	**55.400**

LUBRICATORS





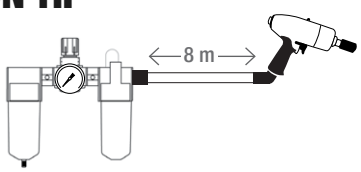
- Compact size
- Lubrication proportioned to airflow
- Mounting bracket included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow at 100 PSI: 177 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Bowl Capacity: 130 ml

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application



STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.430	**51.432**	3/8
51.435	**51.437**	1/2

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

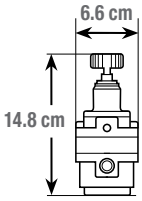
400
3/8 • 1/2

AIRFLO 400

PRECISION REGULATOR

GAUGE INCLUDED







Product No	Pressure Range PSI	Port Size (F) NPT
51.490	1.5 - 29	1/2

- Compact size
- Accurate pressure control with little drift
- Ideal for applications calling for constant pressure with wide variation of flow
- High sensitivity under varying conditions
- Diaphragm operated with large surface area and aspiration for quick and precise regulation
- May be installed on panel, on wall or in modularity with AIRFLO 400
- Mounting bracket included

Specifications

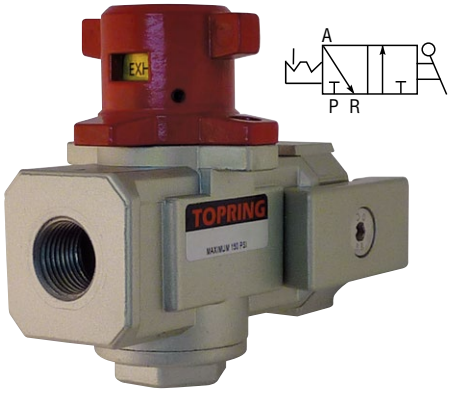
Port Size: 1/2 (F) NPT
Maximum Airflow at 100 PSI: 148 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Precision: ± 0.2% full scale
Pressure Gauge Port Size: 1/8 (F) NPT

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

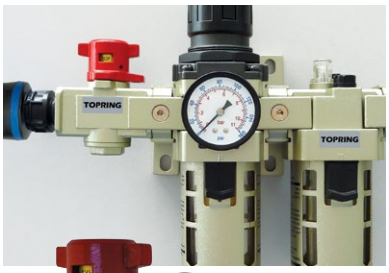
400
3/8 • 1/2

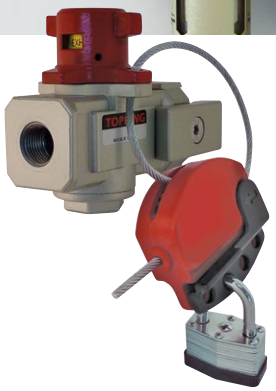
AIRFLO 400

VENTING SAFETY LOCKOUT VALVES



- Shut off valve for closing flow to or from AIRFLO FRL units
- 3 port/2 position valve relieves downstream pressure when closed
- Can be locked in the closed position
- Can be mounted directly to AIRFLO components using standard AIRFLO spacers included
- Threaded ports also allow in-line use with other components
- Accepts standard single padlock or safety lock for multiple lockout
- Mounting bracket included
- Meets OSHA Standard 29 CFR Part 10





Specifications

Maximum Working Pressure: 150 PSI

Product No	Port Size (F) NPT	Vent Port (F) NPT	Locking Hole (mm)	Recommended Muffler
51.470	3/8	3/8	7.5	**86.610**
51.475	1/2	3/8	7.5	**86.610**

SOFT START VALVES

The soft start valve allows control of a system's compressed air supply by an electrical signal. The signal gradually opens the valve preventing potential hammer effects that can cause damage to sensitive equipment such as regulators. When the signal is cut off, the valve shuts the air supply and vents the system's pressure.

- Combines soft start and quick exhaust valve in same body
- Can be mounted directly to AIRFLO components using the included standard AIRFLO spacers
- Threaded ports also allow in-line use with other **TOPRING** components





Specifications

Port Size: 1/2 (F) NPT
Maximum Airflow at 100 PSI: 175 SCFM
Pressure Range: 44 to 145 PSI
Working Temperature: 0 to 60 °C
Exhaust Port: 1/2 (F) NPT

Product No	Port Size (F) NPT	Voltage
51.495	1/2	110 VAC
51.495.03	1/2	24 VDC

INSTALLATION TIP

Unit is to be installed upstream of a combination FRL unit and downstream of a venting safety lockout valve

HOW IT WORKS

When the valve is installed on a compressed air system and no electrical signal is received by the pilot operator, the air is blocked. When an electrical signal is received by the pilot, the valve shifts to open. Upon opening, the airflow begins at a slow rate controlled by the needle valve. When the downstream pressure reaches approximately 50% of the supply pressure, the main valve opens allowing full flow through the valve into the system. If the pilot electrical signal or system pressure is lost, the valve will return to its initial position, venting the downstream pressure.

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

400
3/8 • 1/2

REPLACEMENT PARTS AND REPAIR KITS FOR AIRFLO 400



Product No 51.003
Auto. drain for AIRFLO 400-450-500-600 **F**, **Fc**, **F/R**



Product No 51.094.05
Element 5 micron
for AIRFLO 400-450 **F**, **F/R**
(semi-auto drain)



Product No 51.095.05
Element 5 micron
for AIRFLO 400-450 **F** (auto drain)



Product No 51.093.05
Element 5 micron
for AIRFLO 400-450 **F/R** (auto drain)



Product No 51.110
Element 0.3 micron
for AIRFLO 400-450 **Fc**



Product No 51.810
Standard Bowl w / guard
(semi-auto drain)
for AIRFLO 400-450-500 **F**, **Fc**, **F/R**



Product No 51.825
Metal Bowl (semi-auto drain)
for AIRFLO 400-450-500-600 **F**, **Fc**, **F/R**



Product No 51.820
Standard Bowl w / guard (auto drain)
for AIRFLO 400-450-500 **F**, **Fc**, **F/R**



Product No 51.830
Metal Bowl (auto. drain)
for AIRFLO 400-450-500-600 **F**, **Fc**, **F/R**



Product No 51.860
Standard Bowl w / guard
for AIRFLO 400-450-500 **L**



Product No 51.865
Metal Bowl for AIRFLO 400-450-500-600 **L**



Product No 51.143
Diaphragm & piston
for AIRFLO 400 **R**



Product No 51.144
Diaphragm & piston
for AIRFLO 400 **F/R**



Product No 51.856
Sight dome for AIRFLO 400-450-500-600 **L**



Replacement gauges
for AIRFLO 400-450-500 **R**, **F/R**

Product No 55.400 0-30 PSI
Product No 55.405 0-60 PSI
Product No 55.415 0-160 PSI



Product No 51.953
Piping adapters 3/8 (F) NPT (2)
for AIRFLO 400

Product No 51.954
Piping adapters 1/2 (F) NPT (2)
for AIRFLO 400



Product No 51.040
Spacer w / L-type bracket
for AIRFLO 400



Product No 51.015
Spacer w / T-type bracket
for AIRFLO 400



Product No 51.080
Mounting bracket
for AIRFLO 400 **F**, **Fc**, **L**



Product No 51.060
Mounting bracket
for AIRFLO 400-450-500 **R**, **F/R**

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

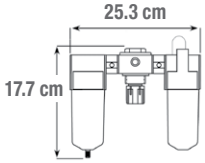


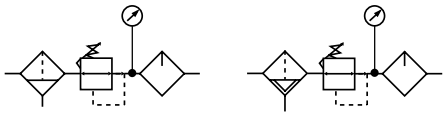
AIRFLO 450

COMBINATION UNITS F+R+L

GAUGE INCLUDED







Semi-automatic drain

Automatic drain

- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge and mounting brackets included

Specifications

Port Size: 3/4 (F) NPT

Maximum Airflow at 100 PSI: 159 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 45 ml filter – 130 ml lubricator

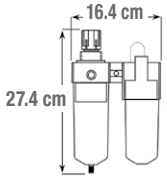
Pressure Gauge Port Size: 1/4 (F) NPT

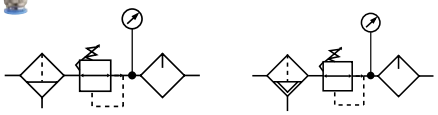
STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.504	51.505	51.508	51.509	3/4

COMBINATION UNITS F/R+L

GAUGE INCLUDED







Semi-automatic drain

Automatic drain

- Compact design with space saving integrated F/R
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge and mounting bracket included

Specifications

Port Size: 3/4 (F) NPT

Maximum Airflow at 100 PSI: 106 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 45 ml filter/regulator – 130 ml lubricator

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.518	51.519	51.520	51.521	3/4

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

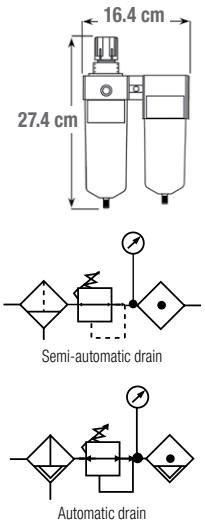
450
3/4

AIRFLO 450

COMBINATION UNITS F/R+Fc

GAUGE INCLUDED





- Compact design with space saving integrated filter/regulator
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Pressure gauge, piping adapters and mounting bracket included

Specifications

Port Size: 3/4 (F) NPT

Maximum Airflow at 100 PSI: 71 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron filter – 0.3 micron coalescing filter

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

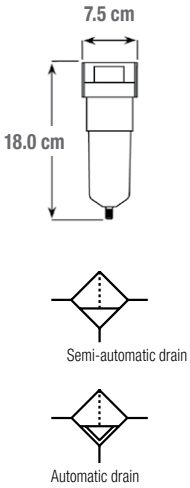
Bowl Capacity: 45 ml filter/regulator – 45 ml coalescing filter

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.500	51.501	51.502	51.503	3/4

FILTERS





- Compact size
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 3/4 (F) NPT

Maximum Airflow at 100 PSI: 212 SCFM

Maximum Working Pressure: 150 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 45 ml

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.568	51.569	51.558	51.559	3/4

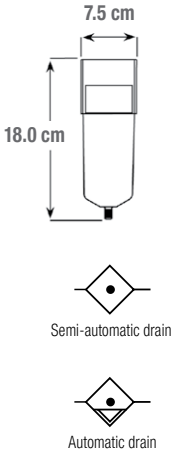
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI



AIRFLO 450

COALESCING FILTERS





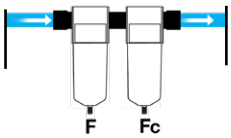
- Compact size
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 3/4 (F) NPT
Maximum Airflow at 100 PSI: 71 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Filtration: 0.3 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 45 ml

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter

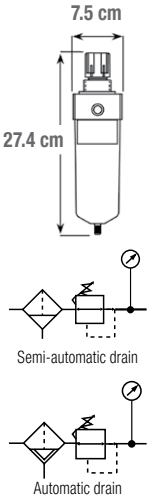


STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.578	51.579	51.580	51.581	3/4

FILTER/REGULATORS

GAUGE INCLUDED





- Space saving integrated filter/regulator design
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Pressure gauge and mounting bracket included

Specifications

Port Size: 3/4 (F) NPT
Maximum Airflow at 100 PSI: 159 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 45 ml
Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product Not	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.548	51.549	51.550	51.551	3/4

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

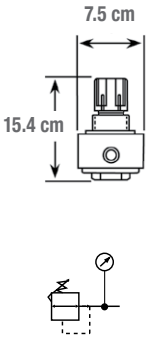


AIRFLO 450

REGULATORS

GAUGE INCLUDED





- Compact size
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

Specifications

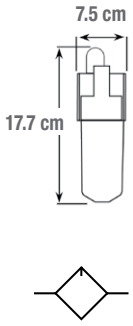
Port Size: 3/4 (F) NPT
Maximum Airflow at 100 PSI: 212 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Pressure Gauge Port Size: 1/4 (F) NPT

Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
51.536*	5 - 125	3/4	**55.415**
51.537	5 - 60	3/4	**55.405**
51.538	5 - 30	3/4	**55.400**

* Popular model

LUBRICATORS





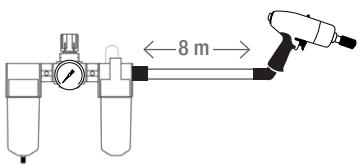
- Compact size
- Lubrication proportioned to airflow
- Mounting bracket included

Specifications

Port Size: 3/4 (F) NPT
Maximum Airflow at 100 PSI: 222 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Bowl Capacity: 130 ml

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application



STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.527	**51.528**	3/4

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

450
3/4

REPLACEMENT PARTS AND REPAIR KITS FOR AIRFLO 450



Product No 51.003
Auto drain for AIRFLO 400-450-500-600 **F**, **Fc**, **F/R**



Product No 51.094.05
Element 5 micron
for AIRFLO 400-450 **F**, **F/R**
(semi-auto drain)



Product No 51.095.05
Element 5 micron
for AIRFLO 400-450 **F** (auto drain)



Product No 51.093.05
Element 5 micron
for AIRFLO 400-450 **F/R** (auto drain)



Product No 51.110
Element 0.3 micron
for AIRFLO 400-450 **Fc**



Product No 51.810
Standard Bowl w / guard
(semi-auto drain)
for AIRFLO 400-450-500 **F**, **Fc**, **F/R**



Product No 51.825
Metal Bowl (semi-auto drain)
for AIRFLO 400-450-500-600 **F**, **Fc**, **F/R**



Product No 51.820
Standard Bowl w / guard (auto drain)
for AIRFLO 400-450-500 **F**, **Fc**, **F/R**



Product No 51.830
Metal Bowl (auto drain) for AIRFLO 400-450-500-600 **F**, **Fc**, **F/R**



Product No 51.860
Standard Bowl w / guard
for AIRFLO 400-450-500 **L**



Product No 51.865
Metal Bowl
for AIRFLO 400-450-500-600 **L**



Product No 51.148
Diaphragm & piston
for AIRFLO 450 **R**



Product No 51.149
Diaphragm & piston
for AIRFLO 450 **F/R**

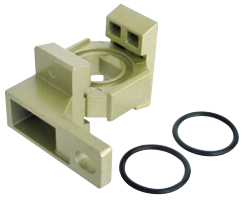


Product No 51.856
Sight dome
for AIRFLO 400-450-500-600 **L**



Replacement gauges
for AIRFLO 400-450-500 **R**, **F/R**

Product No 55.400 0-30 PSI
Product No 55.405 0-60 PSI
Product No 55.415 0-160 PSI



Product No 51.043
Spacer w / L-type bracket
for AIRFLO 450



Product No 51.018
Spacer w / T-type bracket
for AIRFLO 450



Product No 51.083
Mounting bracket
for AIRFLO 450 **F**, **Fc**, **L**



Product No 51.060
Mounting bracket
for AIRFLO 400-450-500 **R**, **F/R**



Product No 51.117
Mounting nut
for AIRFLO 450-450-500 **R**, **F/R**

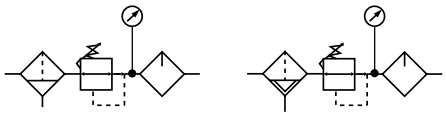
500
3/4 • 1

AIRFLO 500

COMBINATION UNITS F+R+L

GAUGE INCLUDED





- Easy removal of individual units
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting brackets included
- Sight gauge

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI: 177 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 130 ml filter – 130 ml lubricator

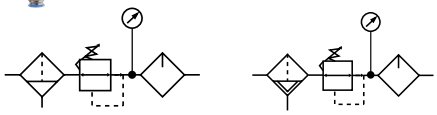
Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.506	51.507	51.510	51.511	3/4
51.513	51.514	51.515	51.516	1

COMBINATION UNITS F/R+L

GAUGE INCLUDED





- Compact design with space saving integrated F/R
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Lubrication proportioned to airflow
- Pressure gauge, piping adapters and mounting bracket included
- Sight gauge

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI: 141 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 130 ml filter/regulator – 130 ml lubricator

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.590	51.591	51.592	51.593	3/4
51.523	51.524	51.525	51.526	1

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

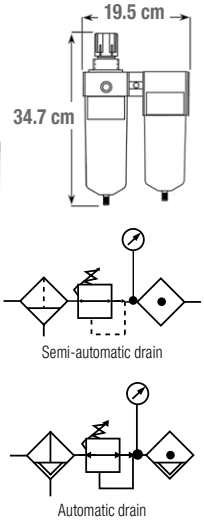
500
3/4 • 1

AIRFLO 500

COMBINATION UNITS F/R+Fc

GAUGE INCLUDED





- Compact design with space saving integrated filter/regulator
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Pressure gauge, piping adapters and mounting bracket included

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI: 88 SCFM

Maximum Working Pressure: 150 PSI

Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron filter – 0.3 micron coalescing filter

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

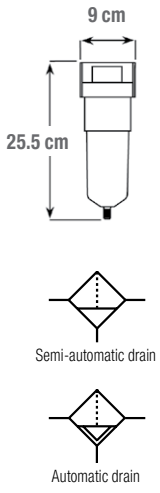
Bowl Capacity: 130 ml filter/regulator - 130 ml coalescing filter

Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.596	51.597	51.598	51.599	3/4
51.600	51.601	51.602	51.603	1

FILTERS





- Compact size
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- SStandard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI: 247 SCFM

Maximum Working Pressure: 150 PSI

Working Temperature: 5 to 60 °C

Filtration: 5 micron

Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT

Bowl Capacity: 130 ml

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.570	51.571	51.560	51.561	3/4
51.563	51.564	51.565	51.566	1

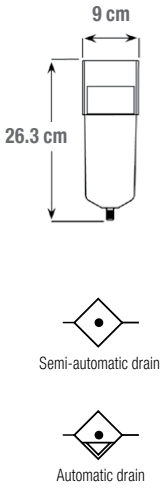
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

500
3/4 • 1

AIRFLO 500

COALESCING FILTERS





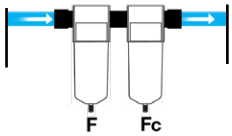
- Compact size
- High performance filter that removes 99.97% of solid particles, oil and water aerosols greater than 0.3 micron
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Mounting bracket included

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT
Maximum Airflow at 100 PSI: 84 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Filtration: 0.3 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 130 ml

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter

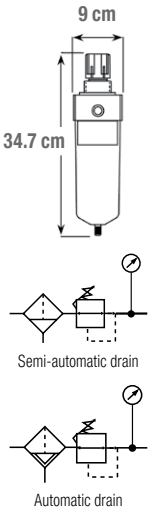


STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.582	51.583	51.584	51.585	3/4
51.586	51.587	51.588	51.589	1

FILTER/REGULATORS

GAUGE INCLUDED





- Space saving integrated filter / regulator design
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Standard semi-automatic drain requires a simple push upwards of the ring to drain
- Pressure gauge and mounting bracket included

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT
Maximum Airflow at 100 PSI: 194 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: Standard: 5-125 PSI
Options: 5-30 PSI • 5-60 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain
Standard Bowl: Semi-automatic • 8 mm O.D. tubing
Automatic • 1/8 (M) NPT
Metal Bowl: Semi-automatic • 1/8 (F) NPT
Automatic • 1/8 (M) NPT
Bowl Capacity: 130 ml
Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL		
Semi-auto. Drain Product No	Auto. Drain Product No	Semi-auto. Drain Product No	Auto. Drain Product No	Port Size (F) NPT
51.572	51.573	51.576	51.577	3/4
51.553	51.554	51.555	51.556	1

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

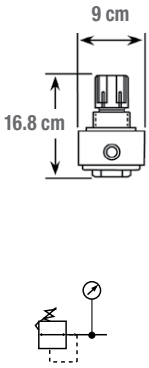
500
3/4 • 1

AIRFLO 500

REGULATORS

GAUGE INCLUDED





- Compact size
- Accurate pressure control with little drift
- Removable locking push-pull adjusting knob
- Pressure gauge and mounting bracket included

Specifications

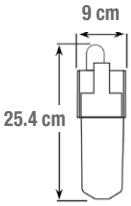
Port Size: 3/4 (F) NPT • 1 (F) NPT
Maximum Airflow at 100 PSI: 283 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Pressure Gauge Port Size: 1/4 (F) NPT

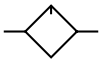
Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
51.540*	5 - 125	3/4	**55.415**
51.541	5 - 60	3/4	**55.405**
51.542	5 - 30	3/4	**55.400**
51.545*	5 - 125	1	**55.415**
51.546	5 - 60	1	**55.405**
51.547	5 - 30	1	**55.400**

* Popular model

LUBRICATORS







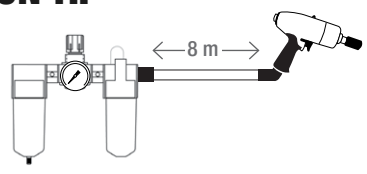
- Compact size
- Lubrication proportioned to airflow
- Mounting bracket included

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT
Maximum Airflow at 100 PSI: 247 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Bowl Capacity: 130 ml

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application



STANDARD BOWL	METAL BOWL	Port Size (F) NPT
Product No	Product No	
51.529	51.530	3/4
51.534	51.535	1

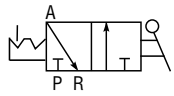
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

500
3/4 • 1

AIRFLO 500

VENTING SAFETY LOCKOUT VALVE









- Shut off valve for closing flow to or from AIRFLO FRL units
- 3 port/2 position valve relieves downstream pressure when closed
- Can be locked in the closed position
- Can be mounted directly to AIRFLO components using standard AIRFLO spacers included
- Threaded ports also allow in-line use with other components
- Accepts standard single padlock or safety lock for multiple lockout
- Mounting bracket included
- Meets OSHA Standard 29 CFR Part 10

Specifications

Maximum Working Pressure: 150 PSI

Product No	Port Size (F) NPT	Vent Port (F) NPT	Locking Hole (mm)	Recommended Muffler
51.575	1	3/8	8.5	**86.610**

AIR TOOL OILS

SYNTHETIC OIL FOR EXTREME TEMPERATURES

Detergent-free synthetic formula, with polyalphaolefins for optimum speed and power of air tools



PREMIUM MINERAL OIL

Detergent-free mineral formula for maximum output and superior performance of air tools



For more details on oils, see Group 4, Series 69

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

500
3/4 • 1

REPLACEMENT PARTS AND REPAIR KITS FOR AIRFLO 500



Product No 51.003
Auto drain for AIRFLO 400-450-500-600 **F**, **Fc**, **F/R**



Product No 51.096.05
Element 5 micron
for AIRFLO 500 **F**, **F/R**



Product No 51.111
Element 0.3 micron
for AIRFLO 500 **Fc**



Product No 51.810
Standard Bowl w / guard
(semi-auto drain)
for AIRFLO 400-450-500 **F**, **Fc**, **F/R**



Product No 51.825
Metal Bowl (semi-auto drain)
for AIRFLO 400-450-500-600
F, **Fc**, **F/R**



Product No 51.820
Standard Bowl w / guard (auto drain)
for AIRFLO 400-450-500 **F**, **Fc**, **F/R**



Product No 51.830
Metal Bowl (auto drain)
for AIRFLO 400-450-500-600
F, **Fc**, **F/R**



Product No 51.860
Standard Bowl w / guard
for AIRFLO 400-450-500 **L**



Product No 51.865
Metal Bowl
for AIRFLO 400-450-500-600 **L**



Product No 51.153
Diaphragm & piston
for AIRFLO 500 **R**



Product No 51.154
Diaphragm & piston
for AIRFLO 500 **F/R**



Replacement gauges
for AIRFLO 400-450-500 **R**, **F/R**

Product No 55.400 0-30 PSI
Product No 55.405 0-60 PSI
Product No 55.415 0-160 PSI



Product No 51.856
Sight dome
for AIRFLO 400-450-500-600 **L**



Product No 51.955
Piping adapters 3/4 (F) NPT (2)
for AIRFLO 500

Product No 51.956
Piping adapters 1 (F) NPT (2)
for AIRFLO 500



Product No 51.020
Spacer w / T-type Bracket
for AIRFLO 500



Product No 51.045
Spacer w / L-type Bracket
for AIRFLO 500



Product No 51.060
Mounting bracket
for AIRFLO 400-450-500 **R**, **F/R**



Product No 51.085
Mounting bracket
for AIRFLO 500 **F**, **Fc**, **L**



Product No 51.117
Mounting nut
for AIRFLO 450-450-500 **R**, **F/R**

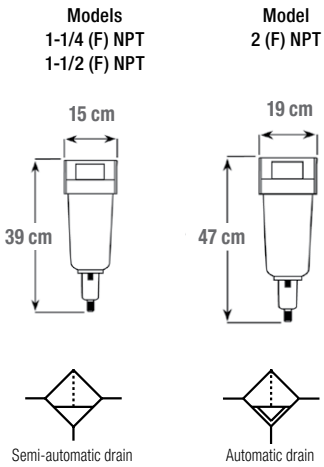
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

600
1 1/4
1 1/2 • 2

AIRFLO 600

FILTERS





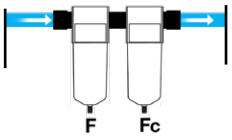
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain requires a simple push upwards of the ring to drain

Specifications

Port Size: 1-1/4 (F) NPT • 1-1/2 (F) NPT • 2 (F) NPT
Maximum Airflow at 100 PSI:
1-1/4 and 1-1/2: 405 SCFM • 2: 650 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Filtration: 5 micron
Drain: Semi-automatic • 1/8 (F) NPT
Automatic drain • 1/8 (M) NPT
Bowl Capacity: 180 ml

INSTALLATION TIP

A general purpose filter must be installed ahead of a coalescing filter to ensure good performance and to extend the life of the coalescing filter

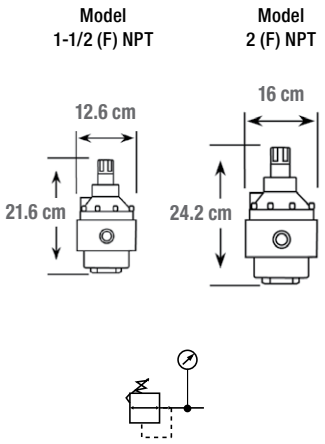


METAL BOWL		
Semi-auto. Drain Product No	**Auto. Drain Product No**	Port Size (F) NPT
51.660	**51.661**	1-1/4
51.662	**51.663**	1-1/2
51.665	**51.666**	2

REGULATORS

GAUGE INCLUDED





- Accurate pressure control with little drift
- Internal pilot relieving type (pilot is always bleeding)
- Pressure gauge included

Specifications

Port Size: 1-1/2 (F) NPT • 2 (F) NPT
Maximum Airflow at 100 PSI: 1-1/2: 635 SCFM • 2: 775 SCFM
Maximum Working Pressure: 150 PSI
Pressure Range: 5-125 PSI
Working Temperature: 5 to 60 °C
Pressure Gauge Port Size: 1/4 (F) NPT

Product No	Port Size (F) NPT	Replacement Gauge
51.642	1-1/2	**55.415**
51.645	2	**55.415**

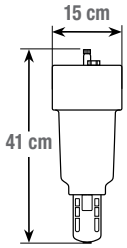
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

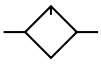


AIRFLO 600

LUBRICATORS







METAL BOWL No de produit	Port Size (F) NPT
51.632	1-1/2
51.635	2

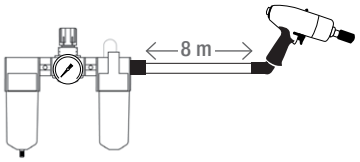
- Lubrication proportioned to airflow
- Sight gauge

Specifications

Port Size: 1-1/2 (F) NPT • 2 (F) NPT
Maximum Airflow at 100 PSI: 1-1/2: 530 SCFM • 2: 705 SCFM
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C
Bowl Capacity: 1.6 L

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application





REPLACEMENT PARTS AND REPAIR KITS FOR AIRFLO 600



Product No 51.003
Auto drain
for AIRFLO 400-450-500-600 **F, F/R**



Product No 51.097.05
Element 5 micron
for AIRFLO 600 **F** 1-1/4, 1-1/2



Product No 51.099.05
Element 5 micron
for AIRFLO 600 **F** 2



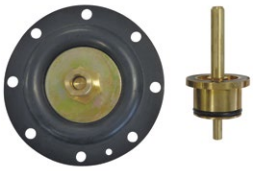
Product No 51.825
Metal Bowl (semi-auto drain)
for AIRFLO 400-450-500-600
F, Fc, F/R



Product No 51.830
Metal Bowl (auto drain)
for AIRFLO 400-450-500-600
F, Fc, F/R



Product No 51.865
Metal Bowl
for AIRFLO 400-450-500-600 **L**



Product No 51.163
Diaphragm & piston
for AIRFLO 600 **R** 1-1/2



Product No 51.164
Diaphragm & piston
for AIRFLO 600 **R** 2



Product No 55.415
Replacement gauge 0-160 PSI
for AIRFLO 400-450-500-600 **R, F/R**



Product No 51.866
Sight dome for AIRFLO 600 **L**



Product No 51.859
Fill Plug for AIRFLO 600 **L**

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

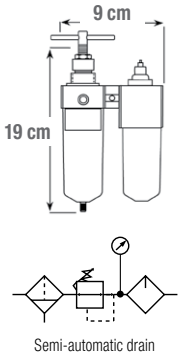
AIRFLO 200 - STAINLESS STEEL

IDEAL FOR CORROSIVE ENVIRONMENTS

COMBINATION UNIT F/R+L

GAUGE INCLUDED





- Stainless steel SUS 316 body and bowl
- Compact design with space saving integrated F/R
- Accurate pressure control
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain
- Lubricator refillable under pressure
- Pressure gauge and mounting brackets included

Specifications

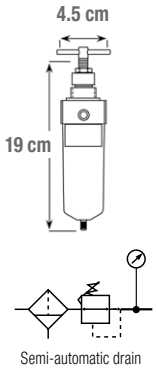
Port Size: 1/4 (F) NPT
Maximum Airflow: 65 SCFM
Maximum Working Pressure: 310 PSI
Pressure Range: 7-285 PSI
Working Temperature: -10 to 60 °C
Filtration: 5 micron
Drain: Semi-automatic
Bowl Capacity: 105 ml filter/regulator – 125 ml lubricator
Pressure Gauge Port Size: 1/8 (F) BSPP

STAINLESS STEEL		
Product No	Port Size (F) NPT	**Replacement Gauge**
51.705	1/4	**55.795**

FILTER/REGULATOR

GAUGE INCLUDED





- Stainless steel SUS 316 body and bowl
- Space saving integrated filter/regulator design
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain
- Accurate pressure control
- Pressure gauge and mounting bracket included

Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow: 65 SCFM
Maximum Working Pressure: 310 PSI
Pressure Range: 7-285 PSI
Working Temperature: -10 to 60 °C
Filtration: 5 micron
Drain: Semi-automatic
Bowl Capacity: 105 ml
Pressure Gauge Port Size: 1/8 (F) BSPP

STAINLESS STEEL		
Product No	Port Size (F) NPT	**Replacement Gauge**
51.710	1/4	**55.795**

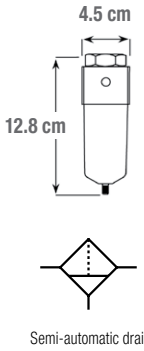
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

AIRFLO 200 - STAINLESS STEEL

IDEAL FOR CORROSIVE ENVIRONMENTS

FILTER





- Stainless steel SUS 316 body and bowl
- Compact size
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain
- Mounting bracket included

Specifications

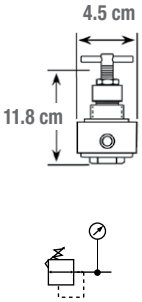
Port Size: 1/4 (F) NPT
Maximum Airflow: 67 SCFM
Maximum Working Pressure: 310 PSI
Working Temperature: -10 to 60 °C
Filtration: 5 micron
Drain: Semi-automatic
Bowl Capacity: 105 ml

STAINLESS STEEL	
Product No	Port Size (F) NPT
51.715	1/4

REGULATOR

GAUGE INCLUDED





- Stainless steel SUS 316 body and bowl
- Compact size
- Accurate pressure control
- Pressure gauge and mounting bracket included

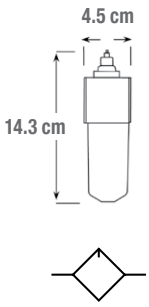
Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow: 65 SCFM
Maximum Working Pressure: 310 PSI
Pressure Range: 7-285 PSI
Working Temperature: -10 to 60 °C
Pressure Gauge Port Size: 1/8 (F) BSPP

STAINLESS STEEL		
Product No	Port Size (F) NPT	**Replacement Gauge**
51.720	1/4	**55.795**

LUBRICATOR





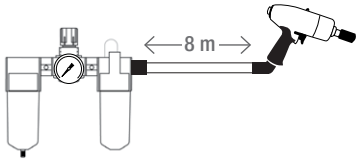
- Stainless steel SUS 316 body and bowl
- Compact size
- Lubricator refillable under pressure
- Mounting bracket included

Specifications

Port Size: 1/4 (F) NPT
Maximum Airflow: 88 SCFM
Maximum Working Pressure: 310 PSI
Working Temperature: -10 to 60 °C
Bowl Capacity: 125 ml

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application



STAINLESS STEEL	
Product No	Port Size (F) NPT
51.725	1/4

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

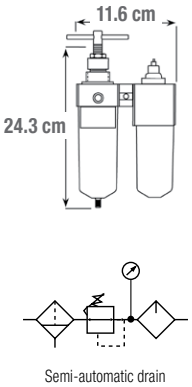
AIRFLO 300 - STAINLESS STEEL

IDEAL FOR CORROSIVE ENVIRONMENTS

COMBINATION UNITS F/R+L

GAUGE INCLUDED





- Stainless steel SUS 316 body and bowl
- Compact design with space saving integrated F/R
- Accurate pressure control
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain
- Lubricator refillable under pressure
- Pressure gauge and mounting brackets included

Specifications

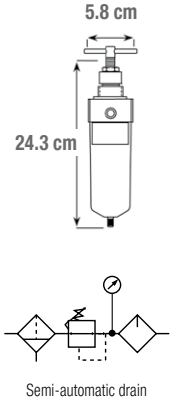
Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow: 3/8: 78 SCFM • 1/2: 88 SCFM
Maximum Working Pressure: 200 PSI
Pressure Range: 7-170 PSI
Working Temperature: -10 to 70 °C
Filtration: 5 micron
Drain: Semi-automatic
Bowl Capacity: 110 ml filter/regulator – 130 ml lubricator
Pressure Gauge Port Size: 1/4 (F) BSPP

STAINLESS STEEL			
Product No	Port Size (F) NPT	**Replacement Element**	**Replacement Gauge**
51.740	3/8	**51.695**	**55.798**
51.745	1/2	**51.695**	**55.798**

FILTER/REGULATORS

GAUGE INCLUDED





- Stainless steel SUS 316 body and bowl
- Space saving integrated filter/regulator design
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain
- Accurate pressure control
- Pressure gauge and mounting bracket included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow: 3/8: 88 SCFM • 1/2: 134 SCFM
Maximum Working Pressure: 200 PSI
Pressure Range: 7-170 PSI
Working Temperature: -10 to 70 °C
Filtration: 5 micron
Drain: Semi-automatic
Bowl Capacity: 110 ml
Pressure Gauge Port Size: 1/4 (F) BSPP

STAINLESS STEEL			
Product No	Port Size (F) NPT	**Replacement Element**	**Replacement Gauge**
51.750	3/8	**51.695**	**55.798**
51.755	1/2	**51.695**	**55.798**

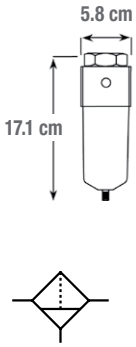
NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

AIRFLO 350 - STAINLESS STEEL

IDEAL FOR CORROSIVE ENVIRONMENTS

FILTERS





Semi-automatic drain

- Stainless steel SUS 316 body and bowl
- Compact size
- Removes water through centrifugal force
- Removes contaminants down to 5 micron in size
- Standard semi-automatic drain
- Mounting bracket included

Specifications

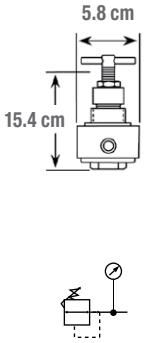
Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow:
3/8: 87 SCFM • 1/2: 107 SCFM
Maximum Working Pressure: 445 PSI
Working Temperature: -10 to 70°C
Filtration: 5 micron
Drain: Semi-automatic
Bowl Capacity: 110 ml

STAINLESS STEEL		
Product No	Port Size (F) NPT	**Replacement Element**
51.760	3/8	**51.695**
51.765	1/2	**51.695**

REGULATORS

GAUGE INCLUDED





- Stainless steel SUS 316 body and bowl
- Compact size
- Accurate pressure control
- Pressure gauge and mounting bracket included

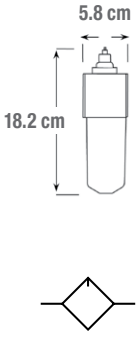
Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow:
3/8: 79 SCFM • 1/2: 89 SCFM
Maximum Working Pressure: 200 PSI
Pressure Range: 7-170 PSI
Working Temperature: -10 to 70°C
Pressure Gauge Port Size: 1/4 (F) BSPP

STAINLESS STEEL		
Product No	Port Size (F) NPT	**Replacement Gauge**
51.770	3/8	**55.798**
51.775	1/2	**55.798**

LUBRICATORS





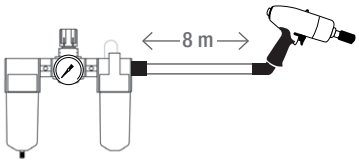
- Stainless steel SUS 316 body and bowl
- Compact size
- Lubricator refillable under pressure
- Mounting bracket included

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT
Maximum Airflow:
3/8: 89 SCFM • 1/2: 145 SCFM
Maximum Working Pressure: 455 PSI
Working Temperature: -10 to 70°C
Bowl Capacity: 130 ml

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application



STAINLESS STEEL	
Product No	Port Size (F) NPT
51.780	3/8
51.785	1/2

NOTE: Flow capacities (SCFM) are established considering the following pressure losses: L: 5 PSI • F, Fc: 8 PSI • R, F/R, F/R+L, F+R+L: 15 PSI

NOTES

HIFLO$_2$ and HIFLO Filters, regulators and lubricators







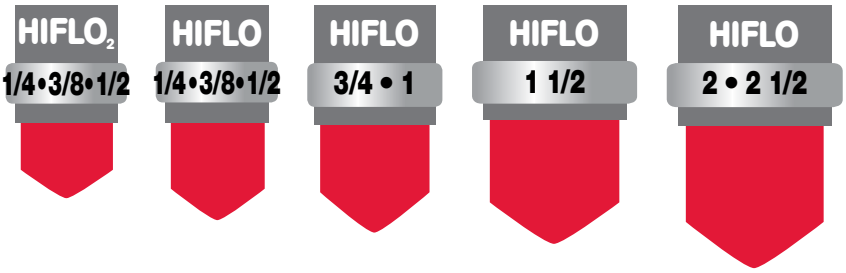

Group 3 • Series 52

TOPRING

Compressed air solutions

HIFLO$_2$ AND HIFLO

FILTERS, REGULATORS AND LUBRICATORS



- Excellent performance
- Heavy-duty for long life and reliability
- Easy maintenance
- High performance FRLs for heavy-duty applications
- High flow with low pressure drop
- Port sizes from 1/4 through 2-1/2 NPT
- Modular design (HIFLO$_2$) allows quick field conversion or servicing of individual units without disturbing existing piping
- Also available:
  Large capacity coalescent filters
  Remote pilot regulators
  Precision regulators
  QUICK-SET dial regulators
- Tough standard bowls with integrated bowl guards to protect against bowl rupture
- Metal bowls with sight glass
- Drain: Manual drain or auto drain
- Superior product finish (epoxy powder paint)
- Silicone-free

Materials

Body Material: Zinc (aluminum for 2 NPT)

Standard Bowl Material: Polycarbonate

Metal Bowl Material: Zinc, aluminum, steel

Specifications

Maximum Working Pressure: 150 to 300 PSI

Pressure Range: 1-60 PSI, 2-125 PSI, 5-250 PSI

Working Temperature: 0 °C up to 80 °C

HIFLO$_2$



HIFLO



HIFLO$_2$

MODULARITY
SAVES TIME AND MONEY

TOPRING HIFLO$_2$ modular FRL units are easy to put together, take apart and install.

Units are simply mounted together using the provided spacers and O-ring seals, without the need for inconvenient brass pipe nipples.

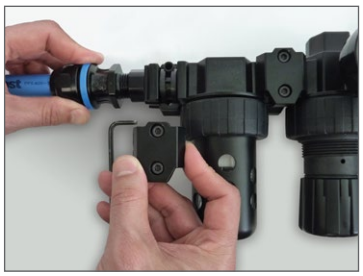
Installation is easy, especially when using piping adapters.

The unit is installed by simply screwing the piping adapters onto the two ends of the airline and securing the FRL unit into place with the provided spacers, screws and O-ring seals.

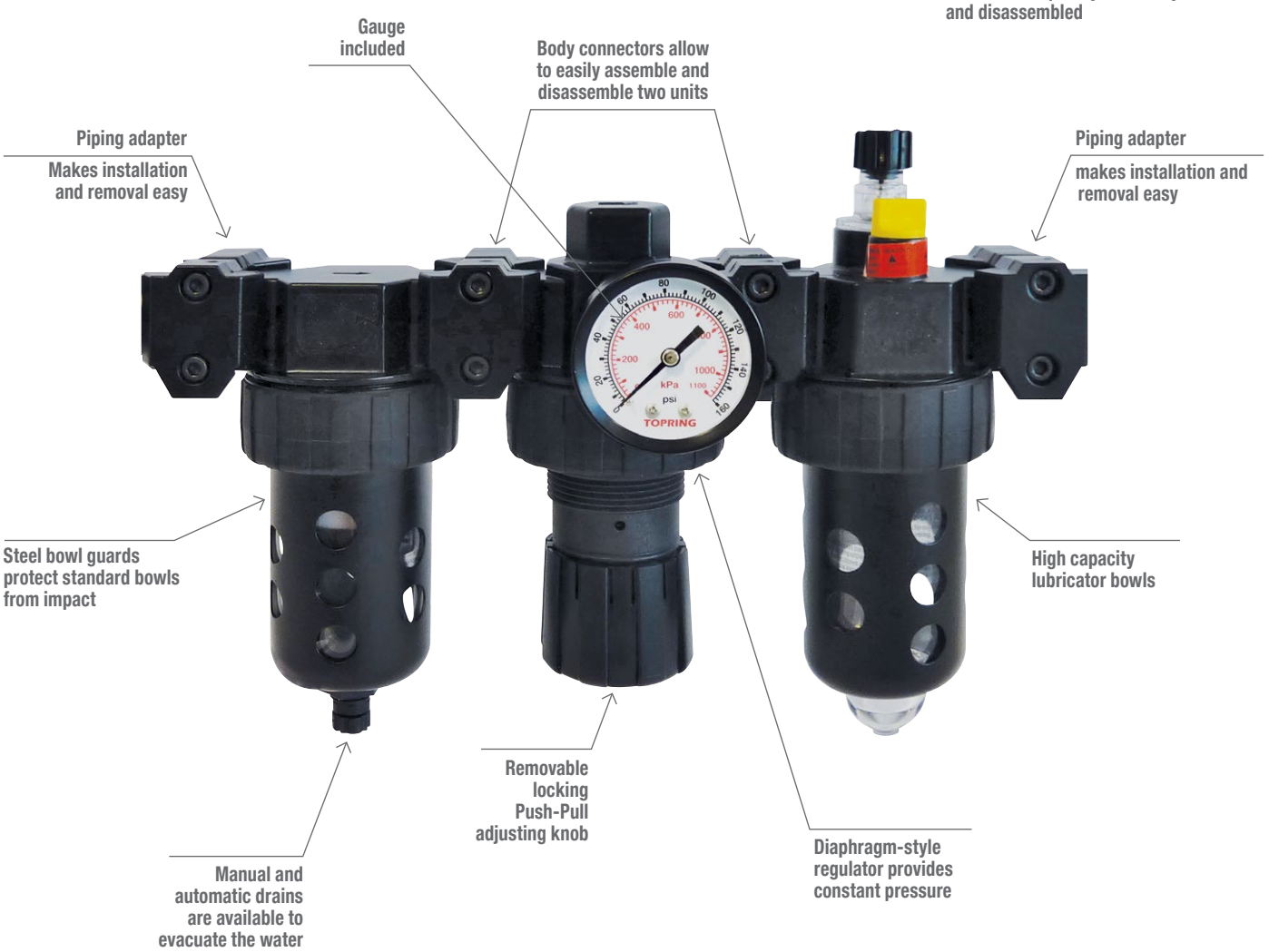
Removal for maintenance purposes is just as simple, requiring only the removal of the retaining screws and spacers in order to remove the unit.



Assembly is simple using Allen key



Units can be quickly and easily assembled and disassembled



HIFLO$_2$

TRUE MODULARITY COMES WITH THE USE OF PIPING ADAPTERS

The biggest challenge with standard type FRL units requiring brass pipe fittings is screwing the unit onto opposing ends of airline piping (while tightening one end, the other end is being loosened).

With the piping adapters available for TOPRING HIFLO$_2$ modular FRL, the unit is installed by simply screwing the piping adapters onto the two ends of the airline and securing the FRL unit into place with the provided spacers, screws and O-ring seals.

Removal for maintenance purposes is just as simple, requiring only the removal of the retaining screws and spacers in order to remove the unit.

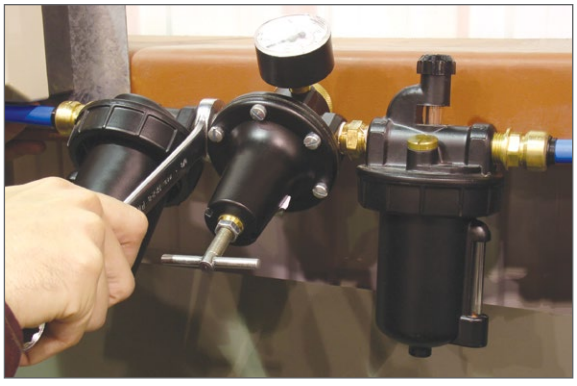
Piping adapters are therefore the ideal method for allowing simple and easy installation and removal of FRL units.



STANDARD TYPE ⟶ VERY DIFFICULT



Standard FRLs use brass pipe nipples



This makes maintenance very difficult

MODULAR TYPE ⟶ VERY EASY



Modular HIFLO$_2$ FRLs with piping adapters make for a very neat installation



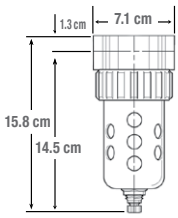
Removal is very easy, since the piping adapters allow the unit to slide out

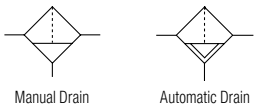
HIFLO$_2$

HIFLO$_2$ 1/4•3/8•1/2

FILTERS







- High flow design
- Removes contaminants down to 40 micron in size
- Removes water through centrifugal force
- Automatic drain available

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
3/8: 80 SCFM • 1/2: 85 SCFM

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal bowl: 250 PSI

Working Temperature:
Standard Bowl: 0 to 52 °C
Metal Bowl: 0 to 80 °C

Filtration: Standard 40 micron / Optional 5 micron

Drain: Manual or internal automatic drain

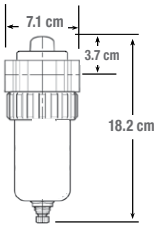
Bowl Capacity: 130.1 ml

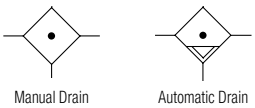
STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.135	52.136	52.137	52.138	3/8
52.145	52.146	52.147	52.148	1/2

Available with a 5 micron element: add suffix .05

COALESCING FILTERS

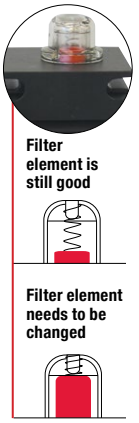






- High flow design
- High performance filter that removes solid particles and oil and water aerosols greater than 0.01 micron, of which 99,97% of all those between 0.3 and 0.6 micron
- Differential pressure pop-up indicator included
- Automatic drain available

Pop-up indicator



Specifications

Port Size: 1/4 (F) NPT

Maximum Airflow at 100 PSI: 1/4: 45 SCFM

Maximum Working Pressure: 150 PSI

Working Temperature: 0 to 52 °C

Filtration: 0.01 micron

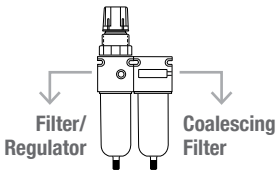
Drain: Manual or internal automatic drain

Bowl Capacity: 130.1 ml

Differential Pressure Pop-up Indicator:
Triggers at 10 PSI differential

INSTALLATION TIP

A coalescing filter should always be preceded by a filter or a F/R. The filter will prevent the coalescing element from quickly being saturated by larger particles.



STANDARD BOWL		METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.920	52.921	52.922	52.923	1/4

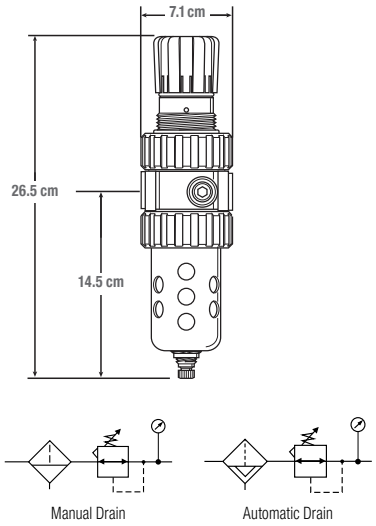
HIFLO$_2$ 1/4•3/8•1/2

HIFLO$_2$

INTEGRATED FILTER/REGULATORS

GAUGE INCLUDED





- High flow design
- Space-saving integrated filter/regulator design
- Push-pull tamper-proof adjusting knob
- Removes contaminants down to 40 micron in size
- Removes water through centrifugal force
- Provides quick response to pressure adjustments
- Maintains constant downstream pressure
- Automatic drain available

Specifications

Port Size: 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
3/8: 55 SCFM • 1/2: 61 SCFM

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl: 250 PSI

Pressure range: 5-250 PSI

Working Temperature:
Standard Bowl: 0 to 52 °C
Metal Bowl: 0 to 80 °C

Filtration: Standard 40 micron / Optional 5 micron

Drain: Manual or internal automatic drain

Bowl Capacity: 130.1 ml

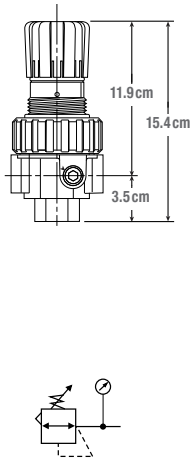
Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL			
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT	Replacement Gauge
52.215	52.216	52.217	52.218	3/8	55.425
---	---	52.229	52.230	1/2	55.425

REGULATORS

GAUGE INCLUDED





- High flow design
- Provides quick response to pressure adjustments
- Maintains constant downstream pressure
- Push-pull adjusting knob

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 53 SCFM • 3/8: 60 SCFM

Maximum Working Pressure: 250 PSI

Working Temperature: 0 to 80 °C

Pressure Gauge Port Size: 1/4 (F) NPT



A QUICK-SET Dial Regulator is a better option when frequent pressure adjustments are required.
(see page 24)

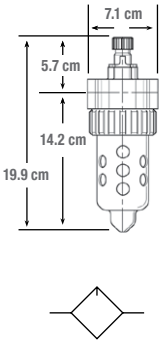
Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
52.300	2-125	1/4	55.415
52.301	5-250	1/4	55.425
52.311	5-250	3/8	55.425

HIFLO$_2$

HIFLO$_2$ 1/4•3/8•1/2

LUBRICATORS





- High flow design
- Lubrication automatically proportioned to airflow, eliminating readjustment
- Precision needle valve assures repeatable oil delivery and provides simple adjustment of delivery rates
- Generates oil particles of 5 microns or smaller downstream
- Micro-mist type lubricator

Specifications

Port Size: 3/8 (F) NPT

Maximum Airflow at 100 PSI:
3/8: 60 SCFM

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl: 250 PSI

Working Temperature:
Standard Bowl: 0 to 52 °C
Metal Bowl: 0 to 80 °C

Bowl Capacity: 76.9 ml

INSTALLATION TIP

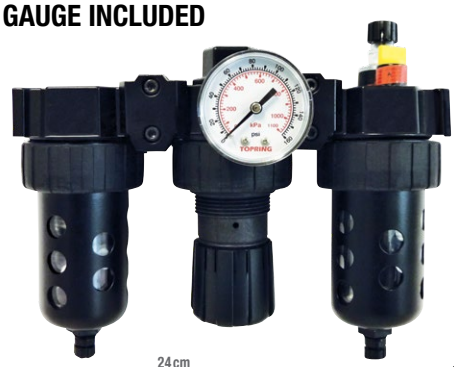
Lubrication up to 30 meters

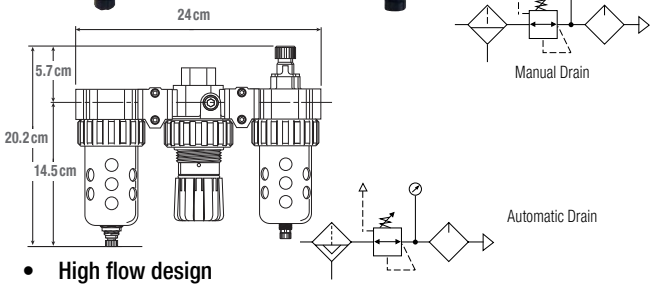
HIFLO$_2$ lubricators are designed to lubricate a tool through a hose of up to 30 meters (100 feet length) from the outlet of the lubricator. Standard lubricators lubricate up to 5 meters from the outlet.

STANDARD BOWL Product No	METAL BOWL Product No	Port Size (F) NPT
52.435	52.437	3/8

F+R+L COMBINATION UNITS

GAUGE INCLUDED





- High flow design
- Removes contaminants down to 40 microns in size
- Removes water through centrifugal force
- Maintains constant downstream pressure
- Provides quick response to pressure adjustments
- Lubrication automatically proportioned to airflow, eliminating readjustment
- Automatic drain available

Specifications

Port Size: 3/8 (F) NPT

Maximum Airflow at 100 PSI: 3/8: 60 SCFM

Maximum Working Pressure:
Standard Bowl: 150 PSI
Metal Bowl: 250 PSI

Pression range: 5-250 PSI

Working Temperature:
Standard Bowl: 0 to 52 °C
Metal Bowl: 0 to 80 °C

Filtration: Standard 40 micron

Drain: Manual or internal automatic drain

Bowl Capacity: Filter: 130.1 ml • Lubricator: 76.9 ml

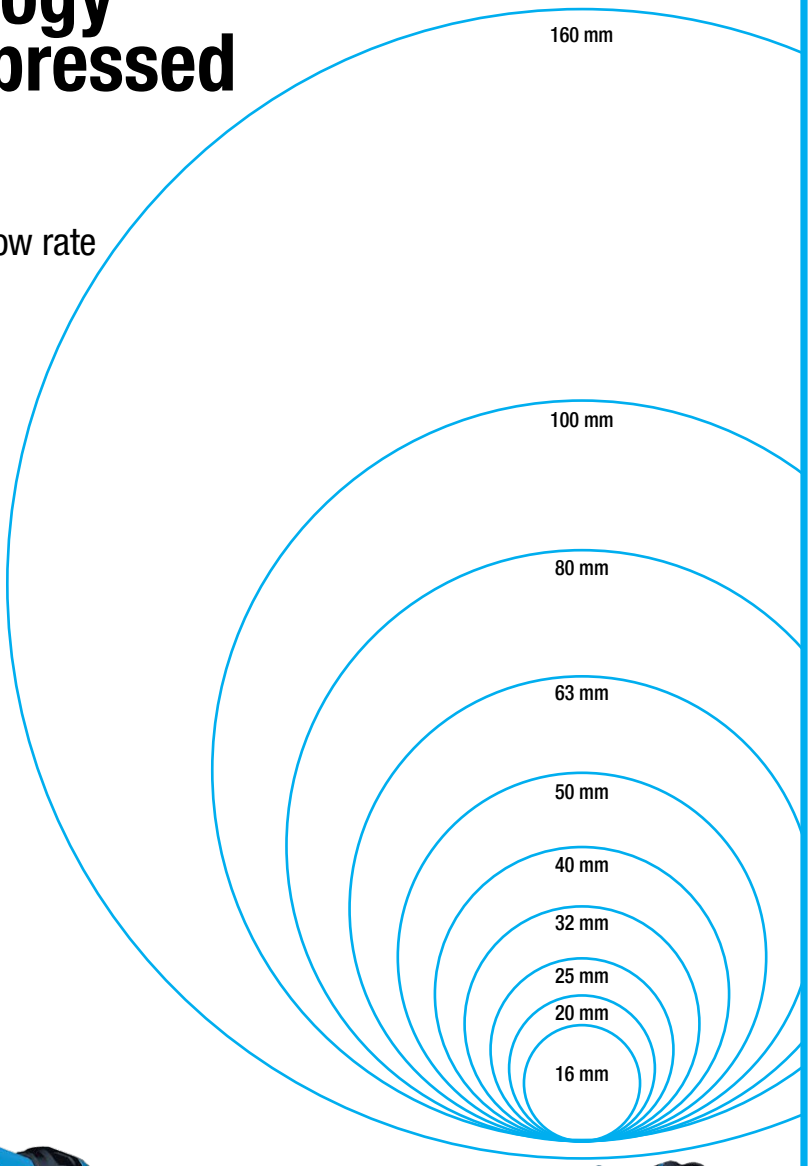
Pressure Gauge Port Size: 1/4 (F) NPT

STANDARD BOWL		METAL BOWL			
Manual Drain Product No	Auto Drain Product No	Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT	Replacement Gauge
52.505	52.506	52.507	52.508	3/8	55.425

The latest technology in aluminum compressed air systems

- Compact, leaktight and optimized flow rate
- A clean, top quality air supply
- Quick and easy to assemble

ACTUAL DIAMETERS OF PIPES

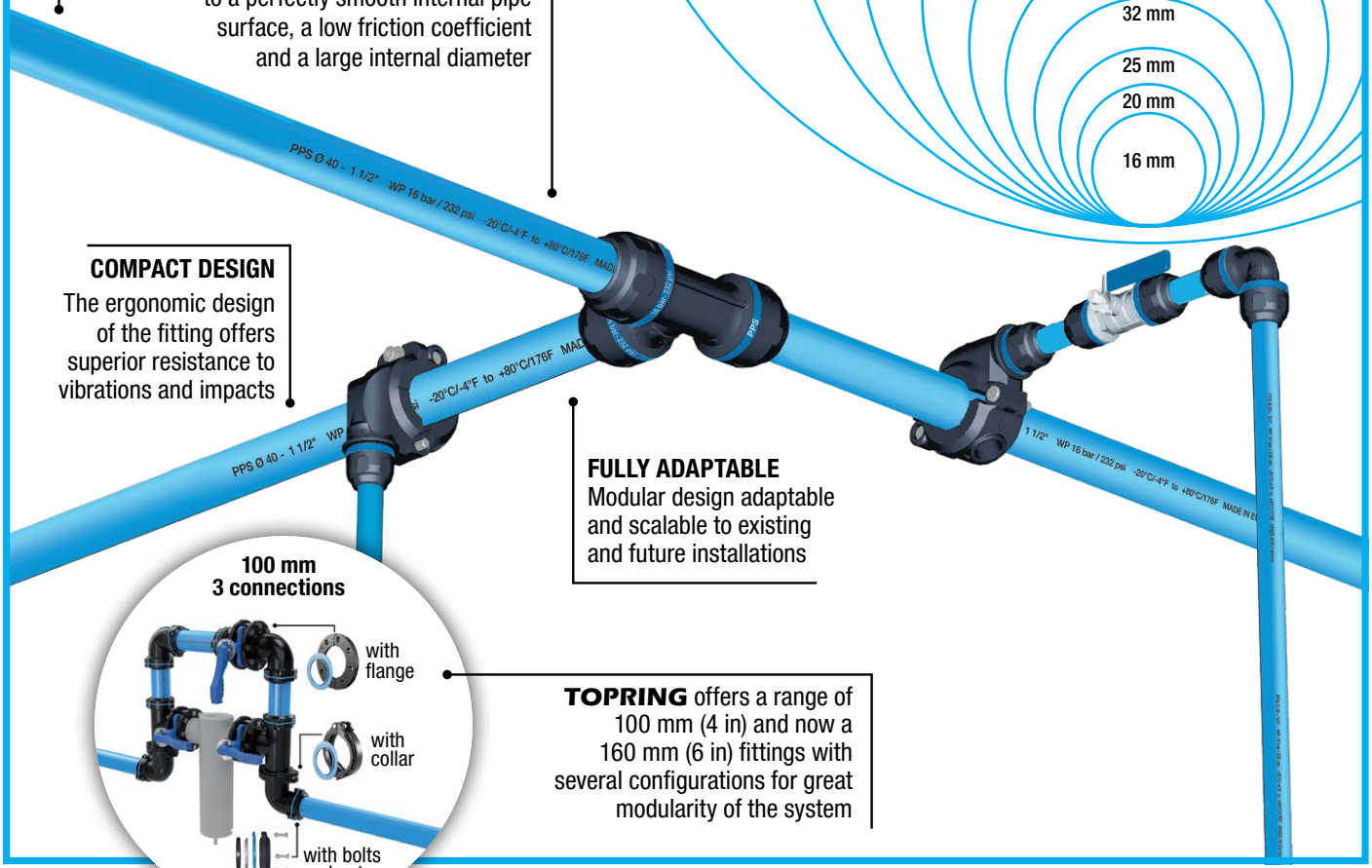


100% ALUMINUM PIPES
The aluminum alloy pipes are protected by an electrostatic paint and a special coating on the inside surface, which optimizes flow rates and increases protection against corrosion and oxidation

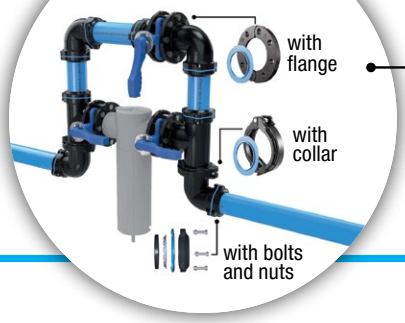
LEAKTIGHT WITH MINIMAL PRESSURE LOSS
An assembly method that ensures a rapid connection and zero leaks. Flow rates are optimized thanks to a perfectly smooth internal pipe surface, a low friction coefficient and a large internal diameter

COMPACT DESIGN
The ergonomic design of the fitting offers superior resistance to vibrations and impacts

FULLY ADAPTABLE
Modular design adaptable and scalable to existing and future installations



100 mm
3 connections



TOPRING offers a range of 100 mm (4 in) and now a 160 mm (6 in) fittings with several configurations for great modularity of the system

HIFLO$_2$ 1/4•3/8•1/2

HIFLO$_2$ ACCESSORIES

Accessories on this page are for HIFLO$_2$ units



SHUT OFF/ LOCKOUT VALVE



- Shut off valve for closing flow to or from HIFLO$_2$ FRL units
- 3 port/2 position shut off valve relieves downstream pressure when closed
- Can be locked in the closed position only
- Center position can be used as a slow start valve
- Accepts standard padlock
- Locking hole 7.8 mm

Product No.	Port Size
52.088	1/4 • 3/8 • 1/2



BODY CONNECTOR

Allows easy assembling and disassembling of basic modular units. Required whenever you assemble two or more units together.



Product No.	Port Size
52.078	1/4 • 3/8 • 1/2

WALL MOUNTING BRACKET

Mounts modular assemblies on wall



Product No.	Port Size
52.084	1/4 • 3/8 • 1/2

PIPING ADAPTERS (SET OF 2)

Designed to install or remove basic modular units without direct pipe connections to the units



Product No.	Port Size	Port Size Connection
52.080	1/4 • 3/8 • 1/2	1/4 (F) NPT
52.081	1/4 • 3/8 • 1/2	3/8 (F) NPT
52.082	1/4 • 3/8	1/2 (F) NPT

DIVERTER BLOCK

Designed to be used between any two modular units to give two additional outlet ports. Any standard pipe plug (TOPRING Series 41) can be used to close off unused ports



Product No.	Port Size	Port Size Connection
52.086	1/4 • 3/8 • 1/2	3/8 (F) NPT

HIFLO$_2$ 1/4•3/8•1/2

REPLACEMENT PARTS AND REPAIR KITS FOR HIFLO$_2$ 1/4 • 3/8 • 1/2



Product No 52.003 ✔ ✔
Auto drain 250 PSI
F, Fc, F/R 1/4-3/8-1/2 HIFLO$_2$



Product No 52.042
Element 40 micron
F, F/R 1/4-3/8-1/2 HIFLO$_2$

Product No 52.043
Element 5 micron
F, F/R 1/4-3/8-1/2 HIFLO$_2$



Product No 52.076
Element 0.01 micron
Fc 1/4-3/8-1/2 HIFLO$_2$



Product No 52.810
Standard bowl (manual drain)
F, Fc, F/R 1/4-3/8-1/2 HIFLO$_2$



Product No 52.811
Standard bowl (auto drain)
F, Fc, F/R 1/4-3/8-1/2 HIFLO$_2$



Product No 52.812
Metal bowl + sight glass (manual drain)
F, Fc,F/R 1/4-3/8-1/2 HIFLO$_2$



Product No 52.813
Metal bowl + sight glass (auto drain)
F, Fc,F/R 1/4-3/8-1/2 HIFLO$_2$



Product No 52.814
Standard bowl
L 1/4-3/8-1/2 HIFLO$_2$



Product No 52.815
Metal bowl + sight glass
L 1/4-3/8-1/2 HIFLO$_2$



Product No 52.050
Sight glass assembly
F, Fc,F/R, L 1/4-3/8-1/2 HIFLO$_2$



Product No 52.046
Deflector and retainer
F, F/R 1/4-3/8-1/2 HIFLO$_2$



Product No 52.011
Differential pressure Pop-up indicator
Fc 1/4-3/8-1/2 HIFLO$_2$



Product No 52.068
Sight dome
L 1/4-3/8-1/2 HIFLO$_2$



Product No 52.019
Mounting bracket
R, F/R HIFLO$_2$



Product No 52.724
Wall bracket
F, Fc, L 1/4-3/8-1/2 HIFLO$_2$



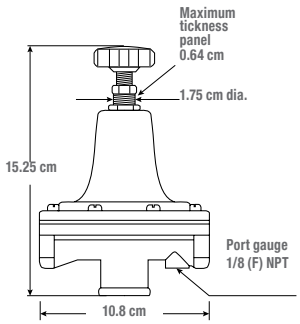
Product No 55.415 0-160 PSI
Product No 55.425 0-300 PSI
Replacement gauge
R, F/R HIFLO$_2$

HIFLO 1/4 • 3/8

HIFLO

PRECISION REGULATORS









Regulator with digital pressure gauge

- High flow performance featuring rugged design for the most demanding applications
- High sensitivity under varying conditions
- Ideal for applications calling for constant pressure with wide variation in flow
- Diaphragm operated with large surface area and aspirator for quick and precise regulation
- Rugged adjusting knob
- Panel mount version for more mounting versatility
- Regulator with digital pressure gauge available

Applications

For industrial applications: pneumatic systems, printing equipment, air measurement systems, automation equipment and machine tools

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT
Maximum Airflow at 100 PSI: 40 SCFM
Maximum Working Pressure: 300 PSI
Working Temperature: 4 °C to 52 °C
Precision: ±0.25 PSI
Gauge Port Size: 1/8 (F) NPT

Without pressure gauge	With pressure gauge	Pressure Range PSI	Port Size (F) NPT
Product No	Product No		
52.315	52.315.01	0-20	1/4
52.316	52.316.01	0-8	1/4
52.317	52.317.01	0-20	3/8
52.318	52.318.01	0-8	3/8

Who needs precision regulators?

Design level applications:
When designing a compressed air distribution system, it is important to determine not only the airflow that the application will require, but also the acceptable level of pressure variation. Some compressed air applications do not tolerate fluctuations in pressure.

Problem solving devices for existing applications:
Sometimes an existing compressed air application does not meet the user's needs regarding to pressure control and/or stability.

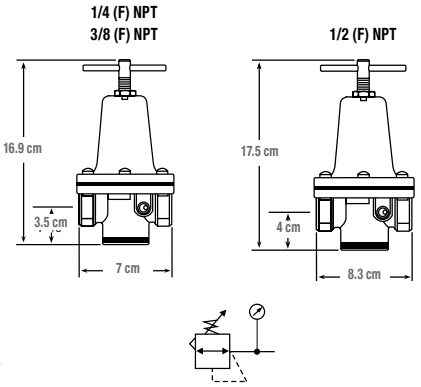
HIFLO 1/2

HIFLO

REGULATORS

GAUGE INCLUDED







A QUICK-SET Dial Regulator is a better option when frequent pressure adjustments are required.
(see page 24)

- Rugged design for demanding applications
- Very high flow design
- Ideal for applications calling for constant pressure with wide variations in flow
- Diaphragm operated for quick and precise regulation
- Maintains constant downstream pressure
- Robust T-handle pressure adjustment

Specifications

Port Size: 1/4 (F) NPT • 3/8 (F) NPT • 1/2 (F) NPT

Maximum Airflow at 100 PSI:
1/4: 100 SCFM • 3/8: 110 SCFM • 1/2: 150 SCFM

Maximum Working Pressure: 300 PSI

Working Temperature: 4 to 52 °C

Pressure Gauge Port Size: 1/4 (F) NPT

Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
52.329	5-250	1/4	**55.425**
52.325	2-125	1/4	**55.415**
52.328	2-60	1/4	**55.410**
52.331	5-250	3/8	**55.425**
52.330	2-125	3/8	**55.415**
52.338	2-60	3/8	**55.410**
52.345	5-250	1/2	**55.425**
52.340	2-125	1/2	**55.415**
52.344	2-60	1/2	**55.410**

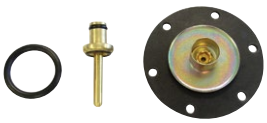
REPLACEMENT PARTS



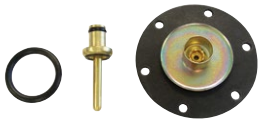
Product No 52.730
Wall bracket
R 1/4-3/8 HIFLO



Product No 54.062
Wall bracket
R 1/2 HIFLO



Product No 52.032
Relieving diaphragm and valve
R 1/4-3/8 HIFLO



Product No 52.014
Relieving diaphragm and valve
R 1/2 5-250 HIFLO



Product No 52.015
Relieving diaphragm and valve
R 1/2 1-25, 2-60/125 HIFLO



Replacement gauge
R, F/R HIFLO

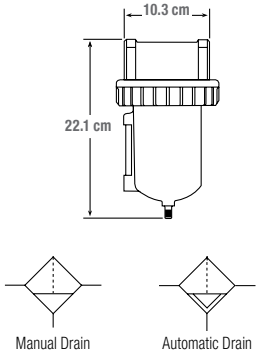
Product No 55.410 0-100 PSI
Product No 55.415 0-160 PSI
Product No 55.425 0-300 PSI

HIFLO 3/4 • 1

HIFLO

FILTERS





- High flow design
- Removes contaminants down to 40 micron in size
- Removes water through centrifugal force
- Automatic drain available
- Sight gauge

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI:
3/4: 270 SCFM • 1: 300 SCFM

Maximum Working Pressure:
Manual Drain: 250 PSI
Automatic Drain: 175 PSI

Working Temperature:
Manual Drain: 4 to 66 °C
Automatic Drain: 4 to 52 °C

Filtration: Standard 40 micron / Optional 5 micron

Drain: Manual or automatic

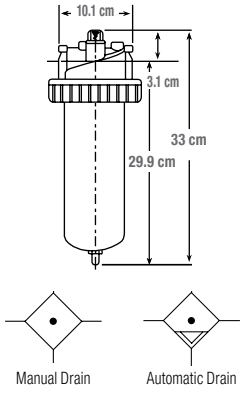
Bowl Capacity: 0.5 L

METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.150	52.151	3/4
52.160	52.161	1

Available with a 5 micron element: add suffix .05

COALESCING FILTERS





- High flow design
- High performance filter that removes solid particles and oil and water aerosols greater than 0.01 micron, of which 99.97% of all those between 0.3 and 0.6 micron
- Differential pressure Pop-up indicator included
- Automatic drain available

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI:
95 SCFM • 170 SCFM for 52.968

Maximum Working Pressure:
Manual Drain: 300 PSI • Automatic Drain: 250 PSI

Working Temperature:
Manual Drain: 4 to 66 °C
Automatic Drain: 4 to 52 °C

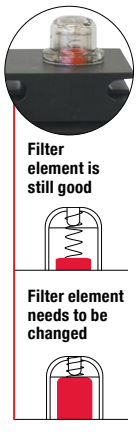
Filtration: 0.01 micron

Drain: Manual or internal automatic drain

Bowl Capacity: Standard 1 L / Optional 3 L

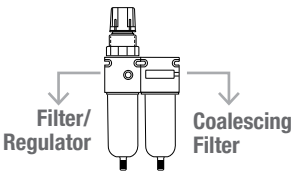
Differential Pressure Pop-up Indicator:
Triggers at 10 PSI differential

Pop-up indicator



INSTALLATION TIP

A coalescing filter should always be preceded by a filter or a F/R. The filter will prevent the coalescing element from quickly being saturated by larger particles.



METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.959	52.960	3/4
52.968*	-	1
52.969	52.970	1

*Bowl capacity: 3 L

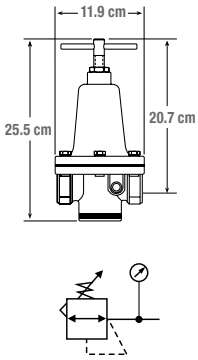
HIFLO 3/4 • 1

HIFLO

REGULATORS

GAUGE INCLUDED





- Rugged design for demanding applications
- Very high flow design
- Ideal for applications calling for constant pressure with wide variations in flow
- Diaphragm operated for quick and precise regulation
- Maintains constant downstream pressure
- Robust T-handle pressure adjustment

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT
Maximum Airflow at 100 PSI:
3/4: 300 SCFM • 1: 400 SCFM
Maximum Working Pressure: 300 PSI
Working Temperature: 4 to 52 °C
Pressure Gauge Port Size: 1/4 (F) NPT



A QUICK-SET Dial Regulator is a better option when frequent pressure adjustments are required (see page 24)

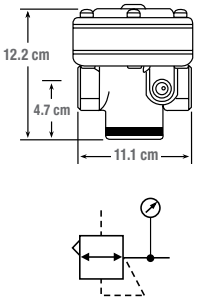
Product No	Pressure Range PSI	Port Size (F) NPT	Replacement Gauge
52.350*	2-125	3/4	**55.415**
52.355	5-250	3/4	**55.425**
52.360*	2-125	1	**55.415**
52.361	5-250	1	**55.425**

* Popular model

PILOT-OPERATED REGULATORS

GAUGE INCLUDED



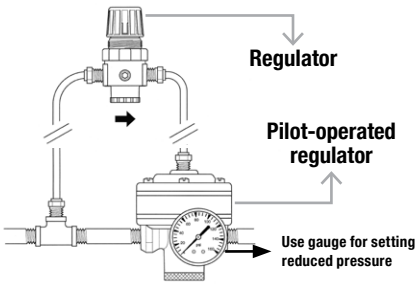


- Adapted for control by a remote or small distant pilot regulator. Ideal for maximum capacity requirements in applications where units are not easily accessible
- High flow performance featuring rugged design for the most demanding applications
- Ideal for installations calling for constant pressure with wide variation in flow
- Diaphragm operated design with balanced poppet and constant bleed pilot for quick and accurate regulation
- Ideal for control by a remote or small distant regulator (i.e: 52.325)

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT
Maximum Airflow at 100 PSI: 300 SCFM
Maximum Working Pressure: 300 PSI
Pressure Range: ± 7 PSI of supply pressure
Working Temperature: 4 to 52 °C
Pilot Port Size: 1/4 (F) NPT
Pressure Gauge Port Size: 1/4 (F) NPT
Must be used with a regulator: 52.325

INSTALLATION TIP



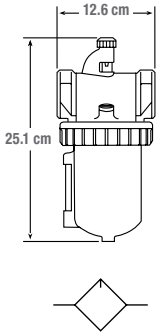
Product No	Port Size (F) NPT
52.270	3/4
52.275	1

HIFLO 3/4 • 1

HIFLO

LUBRICATORS





- High flow design
- Fillable under pressure through the fill port - no need to depressurize or remove bowl
- Proportional oil delivery over a wide range of airflow
- Precision needle valve assures repeatable oil delivery and provides simple adjustment of delivery rates
- Sight gauge

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI: 3/4: 325 SCFM • 1: 350 SCFM

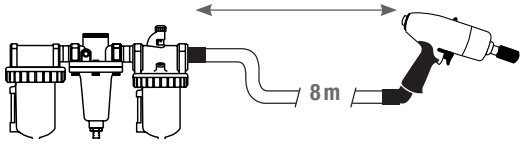
Maximum Working Pressure: 250 PSI

Working Temperature: 4 to 66 °C

Bowl Capacity: 0.5 L

INSTALLATION TIP

The lubricator should be installed as close to the application as possible

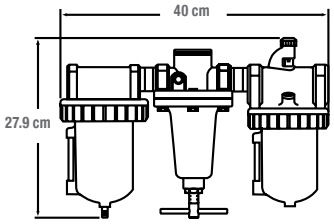


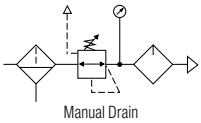
METAL BOWL Product No	Port Size (F) NPT
52.450	3/4
52.460	1

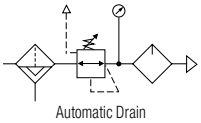
F+R+L COMBINATION UNITS

GAUGE INCLUDED









- High flow design
- Removes contaminants down to 40 microns in size
- Removes water through centrifugal force
- Maintains constant downstream pressure
- Robust T-handle pressure adjustment
- Lubrication automatically proportioned to airflow, eliminating readjustment
- Precision needle valve assures repeatable oil delivery and provides simple adjustment of delivery rates
- Automatic drain available

Specifications

Port Size: 3/4 (F) NPT • 1 (F) NPT

Maximum Airflow at 100 PSI: 3/4: 270 SCFM • 1: 300 SCFM

Maximum Working Pressure:
Manual Drain: 250 PSI
Automatic Drain: 175 PSI

Pressure Range: 2-125 PSI / Optional 5-250 PSI

Working Temperature: 4 to 52 °C

Filtration: Standard 40 micron / Optional 5 micron

Drain: Manual or internal automatic drain

Bowl Capacity: 0.5 L

Pressure Gauge Port Size: 1/4 (F) NPT

METAL BOWL		Port Size (F) NPT
Manual Drain Product No	Auto Drain Product No	
52.550	52.551	3/4
52.560	52.561	1

Available with a 5 micron element: add suffix .05

HIFLO 3/4 • 1

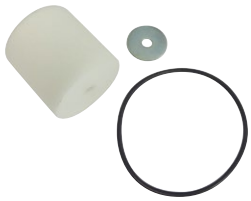
REPLACEMENT PARTS AND REPAIR KITS FOR HIFLO 3/4 • 1



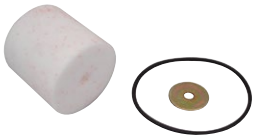
Product No 50.003
Auto drain 175 PSI
F, F/R HIFLO



Product No 50.006
Auto drain 250 PSI
Fc HIFLO



Product No 50.042
Element 40 micron
F 3/4 to 1-1/2 HIFLO



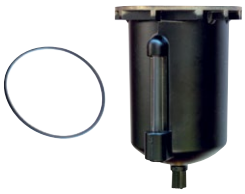
Product No 50.043
Element 5 micron
F 3/4 to 1-1/2 HIFLO



Product No 50.085
Element 0.01 micron
Fc 3/4-1 HIFLO



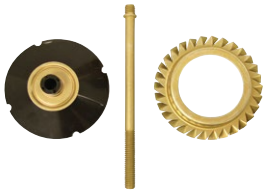
Product No 50.813
Metal bowl + sight glass (manual drain)
F, L 3/4 to 2 HIFLO



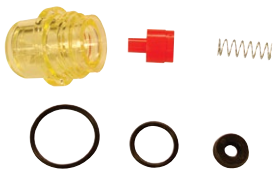
Product No 50.850
Metal bowl + sight glass (auto drain)
F 3/4 to 2 HIFLO



Product No 50.049
Sight glass assembly
F 3/4 to 2 HIFLO



Product No 50.048
Deflector and retainer
F 3/4-1 HIFLO



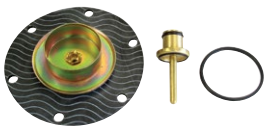
Product No 50.011
Differential pressure Pop-up indicator
Fc 3/4-1 HIFLO



Product No 50.069
Sight dome
L 3/4 to 1-1/2 HIFLO



Product No 50.066
Needle valve assembly
L HIFLO



Product No 50.054
Relieving diaphragm and valve
R 3/4-1 HIFLO



Product No 50.057
Relieving diaphragm and valve
R pilot 3/4-1 HIFLO



Product No 55.415 0-160 PSI
Product No 55.425 0-300 PSI
Replacement gauge
R, R pilot HIFLO



Product No 50.752
Wall bracket
F, Fc, L 1 HIFLO



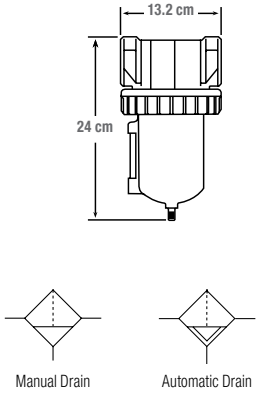
Product No 50.762
Wall bracket
R 3/4 to 1-1/2 HIFLO

HIFLO 1 1/2

HIFLO

FILTERS





- High flow design
- Removes contaminants down to 40 microns in size
- Removes water through centrifugal force
- Automatic drain available
- Sight gauge

Specifications

Port Size: 1-1/2 (F) NPT

Maximum Airflow at 100 PSI: 450 SCFM

Maximum Working Pressure:
Manual Drain: 250 PSI
Automatic Drain: 175 PSI

Working Temperature:
Manual Drain: 4 to 66 °C
Automatic Drain: 4 to 52 °C

Filtration: Standard 40 micron / Optional 5 micron

Drain: Manual or internal automatic drain

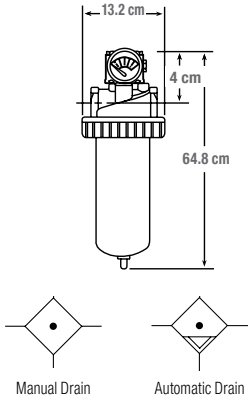
Bowl Capacity: 0.5 L

METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.170	52.171	1-1/2

Available with a 5 micron element: add suffix .05

COALESCING FILTERS





- High performance filter that removes 99.97% of solid particles and oil and water aerosols greater than 0.3 micron
- Differential pressure gauge included
- Automatic drain available

Specifications

Port Size: 1-1/2 (F) NPT

Maximum Airflow at 100 PSI: 250 SCFM

Maximum Working Pressure:
Manual Drain: 300 PSI
Automatic Drain: 250 PSI

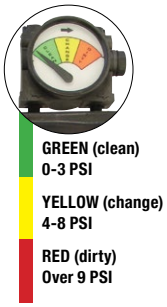
Working Temperature:
Manual Drain: 4 to 66 °C
Automatic Drain: 4 to 52 °C

Filtration: 0.3 micron

Drain: Manual or internal automatic drain

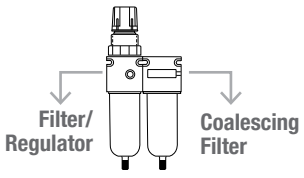
Bowl Capacity: 3 L

Three-color indicator



INSTALLATION TIP

A coalescing filter should always be preceded by a filter or a F/R. The filter will prevent the coalescing element from quickly being saturated by larger particles.



METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.975	52.976	1-1/2

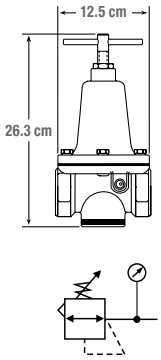
HIFLO 1 1/2

HIFLO

REGULATORS

GAUGE INCLUDED





- Rugged design for demanding applications
- Very high flow design
- Ideal for applications calling for constant pressure with wide variations in flow
- Diaphragm operated for quick and precise regulation
- Maintains constant downstream pressure
- Robust T-handle pressure adjustment

Specifications

Port Size: 1-1/2 (F) NPT
Maximum Airflow at 100 PSI: 500 SCFM
Maximum Working Pressure: 300 PSI
Working Temperature: 4 to 52 °C
Pressure Gauge Port Size: 1/4 (F) NPT



A QUICK-SET Dial Regulator is a better option when frequent pressure adjustments are required.
(see page 24)

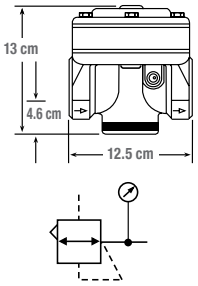
Product No	Pressure Range PSI	Port Size (F) NPT
52.370*	2-125	1-1/2
52.371	5-250	1-1/2

* Popular model

PILOT-OPERATED REGULATOR

GAUGE INCLUDED



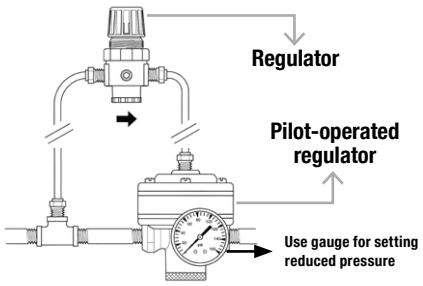


- Adapted for control by a remote or small distant pilot regulator. Ideal for maximum capacity requirements in applications where units are not easily accessible
- High flow performance featuring rugged design for the most demanding applications
- Ideal for installations calling for constant pressure with wide variation in flow
- Diaphragm operated design with balanced poppet and constant bleed pilot for quick and accurate regulation
- Ideal for control by a remote or small distant regulator (i.e: 52.325)

Specifications

Port Size: 1-1/2 (F) NPT
Maximum Airflow at 100 PSI: 500 SCFM
Maximum Working Pressure: 300 PSI
Pressure Range: ±7 PSI of supply pressure
Working Temperature: 4 to 52 °C
Pilot Port Size: 1/4 (F) NPT
Pressure Gauge Port Size: 1/4 (F) NPT
Must be used with a regulator: 52.325

INSTALLATION TIP



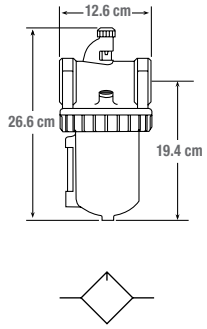
Product No	Port Size (F) NPT
52.285	1-1/2

HIFLO 1 1/2

HIFLO

LUBRICATOR





- High flow design
- Proportional oil delivery over a wide range of airflow
- Fillable under pressure through the fill port - no need to depressurize or remove bowl
- Precision needle valve assures repeatable oil delivery and provides simple adjustment of delivery rates
- Sight gauge

Specifications

Port Size: 1-1/2 (F) NPT

Maximum Airflow at 100 PSI: 400 SCFM

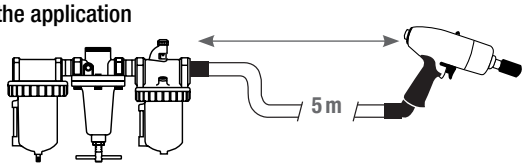
Maximum Working Pressure: 250 PSI

Working Temperature: 4 to 66 °C

Bowl Capacity: 0.5 L

INSTALLATION TIP

The lubricator should be installed within 8 meters of the application

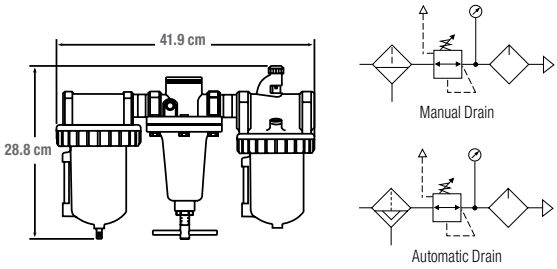


METAL BOWL	Port Size (F) NPT
Product No	
52.470	1-1/2

F+R+L COMBINATION UNITS

GAUGE INCLUDED





- High flow design
- Removes contaminants down to 40 microns in size
- Removes water through centrifugal force
- Maintains constant downstream pressure
- Robust T-handle pressure adjustment
- Lubrication automatically proportioned to airflow, eliminating readjustment
- Precision needle valve assures repeatable oil delivery and provides simple adjustment of delivery rates
- Automatic drain available

Specifications

Port Size: 1-1/2 (F) NPT

Maximum Airflow at 100 PSI: 400 SCFM

Maximum Working Pressure:
Manual Drain: 250 PSI
Automatic Drain: 175 PSI

Pressure Range: 2-125 PSI / Optional 5-250 PSI

Working Temperature: 4 to 52 °C

Filtration: Standard 40 micron / Optional 5 micron

Drain: Manual or internal automatic drain

Bowl Capacity: 0.5 L

Pressure Gauge Port Size: 1/4 (F) NPT

METAL BOWL		Port Size (F) NPT
Manual Drain Product No	Auto Drain Product No	
52.570	52.571	1-1/2

Available with a 5 micron element: add suffix .05

HIFLO
1 1/2

REPLACEMENT PARTS AND REPAIR KITS FOR HIFLO 1-1/2



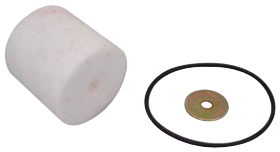
Product No 50.003
Auto drain 175 PSI
F, F/R HIFLO



Product No 50.006
Auto drain 250 PSI
Fc HIFLO



Product No 50.042
Element 40 micron
F 3/4 to 1-1/2 HIFLO



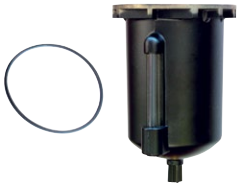
Product No 50.043
Element 5 micron
F 3/4 to 1-1/2 HIFLO



Product No 50.086
Element 0.3 micron
Fc 1-1/2 HIFLO



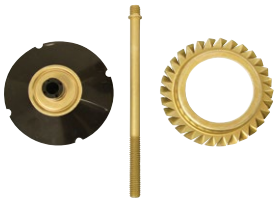
Product No 50.813
Metal bowl + sight glass (manual drain)
F, L 3/4 to 2 HIFLO



Product No 50.850
Metal bowl + sight glass (auto drain)
F 3/4 to 2 HIFLO



Product No 50.049
Sight glass assembly
F 3/4 to 2 HIFLO



Product No 50.050
Deflector and retainer
F 1-1/2 HIFLO



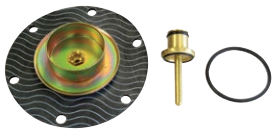
Product No 50.012
Differential pressure indicator
Fc 1-1/4 to 2 HIFLO



Product No 50.069
Sight dome
L 3/4 to 1-1/2 HIFLO



Product No 50.066
Needle valve assembly
L HIFLO



Product No 50.055
Relieving diaphragm and valve
R 1-1/2 HIFLO



Product No 50.058
Relieving diaphragm and valve
R pilot 1-1/2 HIFLO



Product No 55.415 0-160 PSI
Product No 55.425 0-300 PSI
Replacement gauge
R, R pilot HIFLO



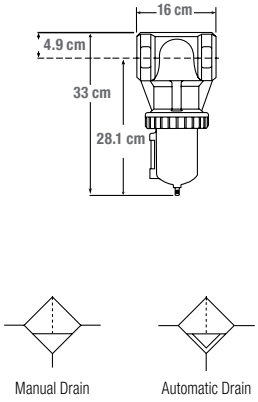
Product No 50.762
Wall bracket
R 3/4 to 1-1/2 HIFLO

HIFLO
2 • 2 1/2

HIFLO

FILTER





- High flow design
- Removes contaminants down to 40 microns in size
- Removes water through centrifugal force
- Automatic drain available
- Sight gauge

Specifications

Port Size: 2 (F) NPT

Maximum Airflow at 100 PSI: 1200 SCFM

Maximum Working Pressure:
Manual Drain: 250 PSI
Automatic Drain: 175 PSI

Working Temperature:
Manual Drain: 4 to 66 °C
Automatic Drain: 4 to 52 °C

Filtration: Standard 40 micron

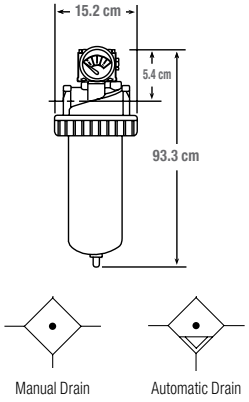
Drain: Manual or internal automatic drain

Bowl Capacity: 0.5 L

METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.180	52.181	2

COALESCING FILTER





- High performance filter that removes 99.97% of solid particles and oil and water aerosols greater than 0.3 micron
- Differential pressure gauge included
- Automatic drain available

Specifications

Port Size: 2 (F) NPT

Maximum Airflow at 100 PSI: 395 SCFM

Maximum Working Pressure:
Manual Drain: 300 PSI
Automatic Drain: 250 PSI

Working Temperature:
Manual Drain: 4 to 66 °C
Automatic Drain: 4 to 52 °C

Filtration: 0.3 micron

Drain: Manual or internal automatic drain

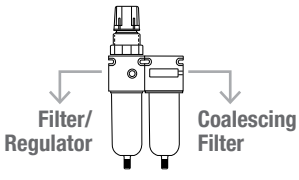
Bowl Capacity: 6 L

Three-color indicator



INSTALLATION TIP

A coalescing filter should always be preceded by a filter or a F/R. The filter will prevent the coalescing element from quickly being saturated by larger particles.



METAL BOWL		
Manual Drain Product No	Auto Drain Product No	Port Size (F) NPT
52.977	52.978	2

HIFLO
2 • 2 1/2

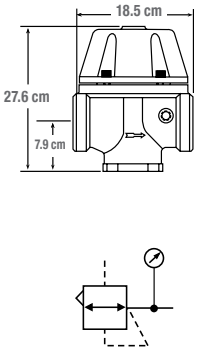
HIFLO

PILOT-OPERATED REGULATORS

GAUGE INCLUDED

The pilot operated regulator allows pressure control of a remote, large-capacity air line by a small, easily accessed regulator at the application.





Features and benefits

- Adapted for control by a remote or distant small pilot regulator. Ideal for maximum capacity requirements in applications where units are not readily accessible
- High flow performance featuring rugged design for the most demanding applications
- Ideal for those installations calling for constant pressure with wide variation in flow
- Piston operated design with balanced poppet and dual constant bleed for quick and accurate regulation
- Ideal for control by a remote or small distant regulator (i.e: 52.325)

Applications

Ideal in high-capacity air systems where the main regulator is hard to reach

Specifications

Port Size: 2 (F) NPT • 2-1/2 (F) NPT

Maximum Airflow at 100 PSI: 1800 SCFM

Maximum Working Pressure: 300 PSI

Pressure Range: ±7 PSI of supply pressure

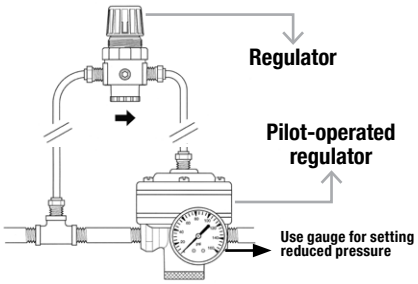
Working Temperature: 4 to 49 °C

Pressure Gauge Port Size: 1/4 (F) NPT

Pilot Port Size: 1/4 (F) NPT

Must be used with a regulator: 52.325

INSTALLATION TIP



HOW IT WORKS

Pilot-operated regulator receives pneumatic signal from a secondary main line (ex: 52.325)

Product No	Port Size (F) NPT
52.380	2
52.390	2-1/2

HIFLO
2 • 2 1/2

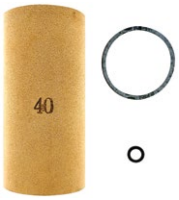
REPLACEMENT PARTS AND REPAIR KITS FOR HIFLO 2 • 2-1/2



Product No 50.003
Auto drain 175 PSI
F, F/R HIFLO



Product No 50.006
Auto drain 250 PSI
Fc HIFLO



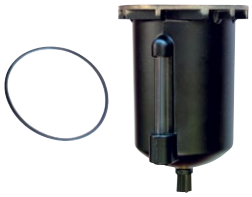
Product No 50.044
Element 40 micron
F 2 HIFLO



Product No 50.087
Element 0.3 micron
Fc 2 HIFLO



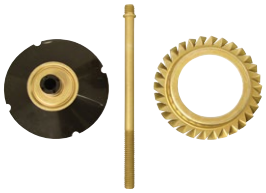
Product No 50.813
Metal bowl + sight glass (manual drain)
F, L 3/4 to 2 HIFLO



Product No 50.850
Metal bowl + sight glass (auto drain)
F, L 3/4 to 2 HIFLO



Product No 50.049
Sight glass assembly
F 3/4 to 2 HIFLO



Product No 50.051
Deflector and retainer
F 2 HIFLO



Product No 50.012
Differential pressure indicator
Fc 1-1/2 to 2 HIFLO



Product No 50.056
Piston and valve
R pilot 2, 2-1/2 HIFLO



Product No 55.415 0-160 PSI
Replacement gauge
R, R pilot HIFLO

HIFLO
1/4•3/8•1/2•3/4

HIFLO

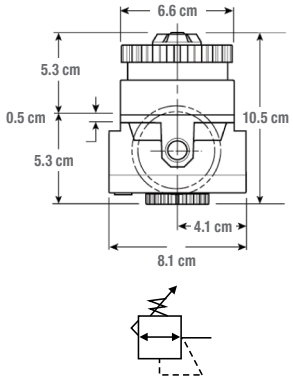
QUICK-SET DIAL REGULATORS

Designed to make frequent pressure adjustments easily and foolproof. No constant knob turning required; the dial is simply turned to the desired pressure.

Maximum pressure can be physically set to avoid mistakes and tampering.

Ideal for applications where pressure needs to be raised and lowered on a regular basis.





- Speeds up adjustments
- Saves time and money when pressure needs to be reset often
- Maintains a stable pressure throughout a flow range with very little pressure drop
- Maximum pressure can be set to avoid overpressure and tampering
- 160 PSI calibrated dial face for quick reading and setting
- Constant bleed relieving design ensures quick response to pressure changes
- High flow, low pressure drop design
- Panel mountable through a 6.7 cm hole using four mounting holes
- Dual 1/4 NPT gauge ports can also be used as additional outlet ports

Applications

Ideal for control panels, production line or laboratory applications where pressure is often reset

Materials

Body: Zinc

Cap: Zinc / Brass

Piston: Acetal

Seals: Nitrile

Springs: Steel

Valve Assembly: Brass / Nitrile / Acetal

Specifications

Maximum Airflow at 100 PSI:
1/4: 117 SCFM • 3/8: 180 SCFM • 1/2: 195 SCFM • 3/4: 220 SCFM

Maximum Working Pressure: 300 PSI

Pressure Range: 5-160 PSI

Working Temperature: 0 to 66°C

Pressure Gauge Port Size: 1/4 (F) NPT

Panel Mount Opening: 6.7 cm

Product No	Port Size (F) NPT
52.326	1/4
52.332	3/8
52.341	1/2
52.351	3/4

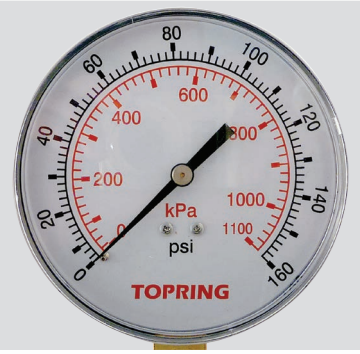
HOW IT WORKS

Standard regulators are set by turning the knob clockwise from a lower pressure, which works fine when raising the pressure; however, when lowering the pressure the knob must be turned counter clockwise until pressure drops below the desired pressure and then turned clockwise again up to the desired pressure. This takes time and leaves room for error.

Using a QUICK-SET dial regulator eliminates this long process by allowing to simply set the knob to the pressure.



Pressure gauges








Group 3 • Series 55

TOPRING

Compressed air solutions

STANDARD DRY PRESSURE GAUGES

TOPRING standard dry pressure gauges are high quality pressure gauges designed to provide reliable service in applications and environments where the atmospheric and substances used do not have corrosive effects on brass. For majority of industrial and commercial applications, pneumatic and hydraulic systems, air compressors.

- Stem and connection are machined from a single piece of brass
- Precision movement provides accurate readings
- Offered lower mount (LM) or centererd back mount (CBM)
- Pressure gauges with calibration certifications available upon request

Materials

Housing: Black painted steel

Crystal: Acrylic

Bourdon Tube: Phosphorous bronze

Movement: Brass and nylon with highly polished bearing surfaces

Connection: Brass

Specifications

Dual scale in PSI (black) and in kPa (red)

Working Temperature: -18 to 60 °C

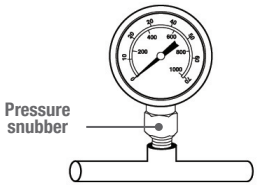
Accuracy:
1-1/2 to 2 in diameters: ± 2,5% of full scale
2-1/2 to 4 in diameters: ± 1,6% of full scalle

CAUTION

Working pressure should be limited to 60% of the dial maximum pressure. Where no sharp fluctuations occur, it should be limited to 90% of the dial maximum pressure.

INSTALLATION TIP

When excessive vibrations are present, a pressure snubber should be used in order to maximize the useful life of the gauge (see last page for more details).



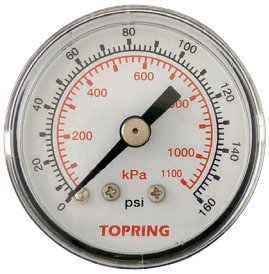


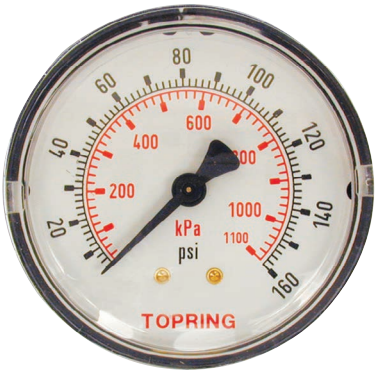
LM
LOWER MOUNT

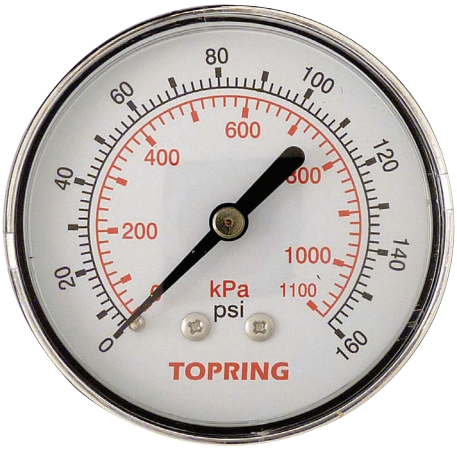


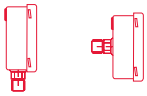
CBM
CENTER BACK MOUNT

STANDARD DRY PRESSURE GAUGES



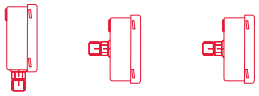




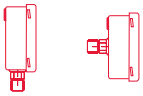


1-1/2 in DIAMETER	1/8 NPT LM	1/8 NPT CBM
Pressure Range PSI	Product No	Product No
30" Hg VAC	55.132	55.090
0-15	55.133	55.095
0-30	55.134	55.100
0-60	55.135	55.105
0-60	---	55.106*
0-100	---	55.110
0-160	55.145	55.120
0-160	---	55.121*
0-200	55.150	55.125

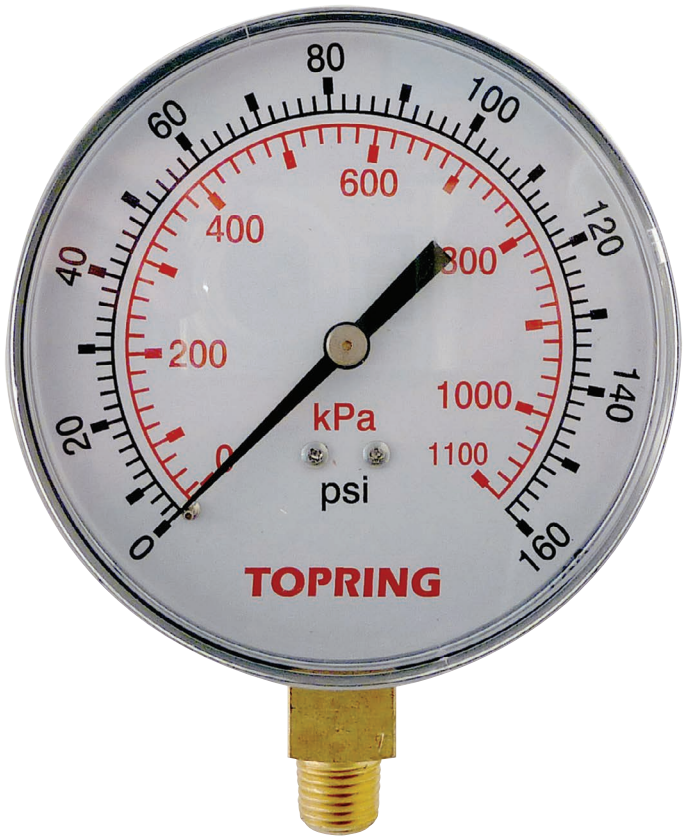
* Crystal glass



2 in DIAMETER	1/4 NPT LM	1/8 NPT CBM	1/4 NPT CBM
Pressure Range PSI	Product No	Product No	Product No
30" Hg VAC	55.190	---	55.385
0-15	55.195	---	55.390
0-30	55.200	55.350	55.400
0-60	55.205	55.355	55.405
0-100	55.210	55.360	55.410
0-160	55.215	55.365	55.415
0-200	55.220	55. 370	55.420
0-300	55.225	---	55.425



2-1/2 in DIAMETER	1/4 NPT LM	1/4 NPT CBM
Pressure Range PSI	Product No	Product No
30" Hg VAC	55.285	55.428
0-15	55.295	---
0-30	55.300	55.430
0-60	55.305	55.435
0-100	55.310	55.440
0-160	55.315	55.445
0-200	55.320	55.450
0-300	55.325	55.455
0-600	55.330	---
0-1000	55.332	---
0-3000	55.340	---
0-5000	55.345	---





4 in DIAMETER	1/4 NPT LM
Pressure Range PSI	Product No
30" Hg VAC	55.500
0-15	55.503
0-30	55.505
0-60	55.510
0-100	55.515
0-160	55.520
0-200	55.525
0-300	55.530
0-600	55.540

DIGITAL PRESSURE GAUGE

TOPRING digital pressure gauge is designed to provide fast, accurate pressure reading from an easy-to-read digital display. For industrial applications, pneumatic systems, pneumatic tools, air compressors, machine tools.

- Backlit digital LCD display for easy and accurate pressure reading
- Can display in psi, bar, mbar, kPa, MPa, kg/cm2, mH2O, mmH2O, inH2O (inWC)
- Easy access to features with four-key keyboard
- Selectable peak (max.), valley (min.) or continuous mode
- Programmable automatic lighting shutdown to extend battery service life
- Battery life indicator
- Offered lower mount (LM)

Materials

Housing: 304 Stainless steel

Crystal: Acrylic

Connection: 316 Stainless steel

Protector: 316 Stainless steel

Specifications

Fluids: Clean dry air, non-corrosive gases

Working Pressure:
55.701, 55.702: 0 to 300 PSI
55.703: 0 to 100 PSI

Accuracy: ± 1% of full scale

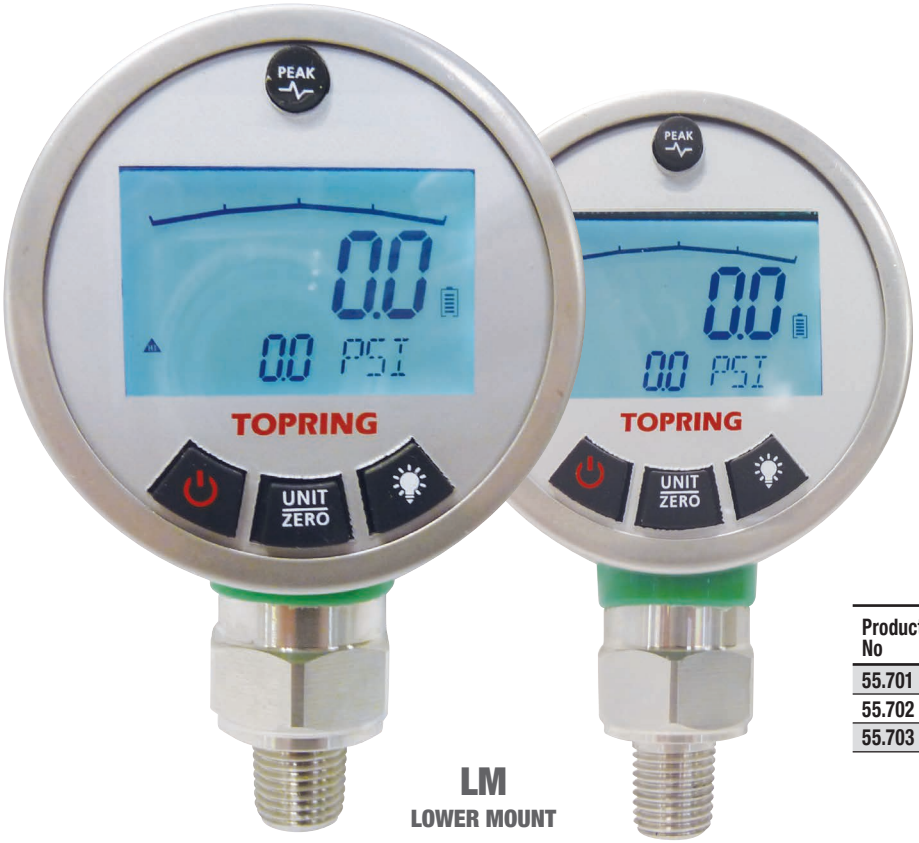
Working Temperature: -10 to 60 °C

Thread: 1/4 (M) NPT

Battery type: AAA (3x not included)

Voltage: 1.5 volts each (total 4.5 volts)





LM
LOWER MOUNT

Product No	Diameter (in)	Pressure Range PSI
55.701	2-1/2	0-300
55.702	3	0-300
55.703	2-1/2	0-100

STAINLESS STEEL PRESSURE GAUGES
WITH BRASS INTERNAL PARTS

Gauge with excellent resistance to strong shocks, pulsations and vibrations. For pneumatic and hydraulic systems, air tools, hydraulic presses, air compressors, machine tools.

- Excellent resistance to corrosion
- High quality pressure gauge with glycerine which prolongs the service life of the pressure gauge
- Glycerine prevents needle vibrations, protects the mechanism and facilitates pressure reading
- Offered lower mount (LM) or centererd back mount (CBM)
- Pressure gauges with calibration certifications available upon request

Materials

Housing: 304 stainless steel
Crystal: Acrylic
Bourdon Tube: Phosphorous bronze
Movement: Brass with highly polished bearing surfaces
Connection: Brass

Specifications

Dual Scale: PSI in black and kPa in red
Working Temperature: -18 to 60 °C
Accuracy: ± 1,6% of full scale

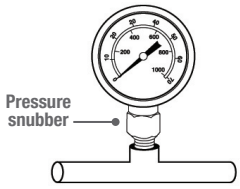
CAUTION

Working pressure should be limited to 60% of the dial maximum pressure. Where no sharp fluctuations occur, it should be limited to 90% of the dial maximum pressure.

INSTALLATION TIP

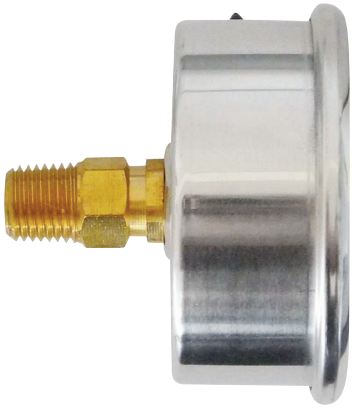
For vertical position only:
fill port is on the top.

When excessive vibrations are present, a pressure snubber should be used in order to maximize the useful life of the gauge (see last page)





LM
LOWER MOUNT



CBM
CENTER BACK MOUNT




2-1/2 in DIAMETER	1/4 NPT LM	1/4 NPT CBM
Pressure Range PSI	Product No	Product No
30" Hg + 30 PSI	55.600	---
30" Hg + 160 PSI	55.604	---
30" Hg + 300 PSI	55.606	---
0-30" Hg	55.608	55.708
0-30	55.613	55.713
0-60	55.618	55.718
0-100	55.623	55.723
0-160	55.628	55.728
0-160	55.604	---
0-200	55.633	55.730
0-300	55.638	55.738
0-300	55.606	---
0-600	55.643	55.743
0-1000	55.648	55.748
0-1500	55.653	55.753
0-2000	55.658	55.758
0-3000	55.663	55.763
0-5000	55.668	55.768
0-10000	55.688	55.788

GLYCERINE FOR GAUGE



Product No	Size
55.001	1 liter

STAINLESS STEEL PRESSURE GAUGES
WITH STAINLESS STEEL INTERNAL PARTS

316 stainless steel pressure gauges have exceptional features that prolong lifespan and reliability. For severe applications in process, chemical and petrochemical industries

- Provide excellent resistance to corrosion, acidity and alkalinity
- Excellent resistance to strong luctuations, pulsations, vibration and metal fatigue
- High quality pressure gauge with glycerine which prolongs the service life of the pressure gauge
- Glycerine prevents needle vibrations, protects the mechanism and facilitates pressure reading
- Offered lower mount (LM) or centererd back mount (CBM)
- Pressure gauges with calibration certifications available upon request

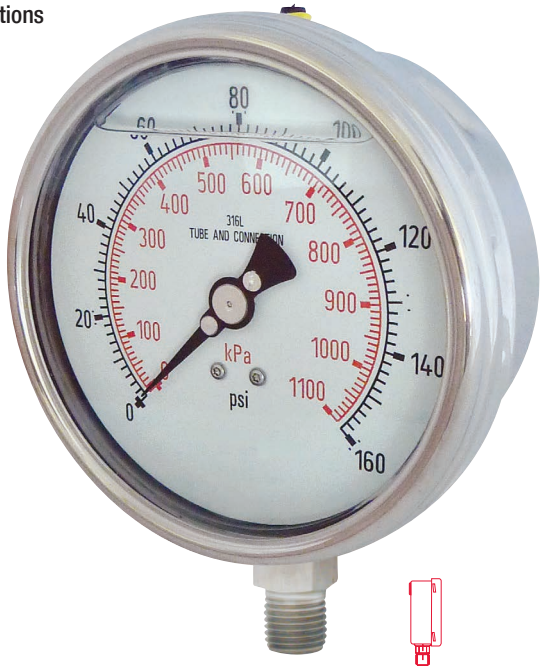
Materials

Housing: 304 Stainless steel
Crystal: Acrylic
Bourdon Tube: 316 stainless steel
Movement: 316 stainless steel
Connection: 316 stainless steel

Specifications

Dual Scale: PSI in black and kPa in red
Fluids: Air, water, oil
Working Temperature: -18 to 60 °C
Accuracy: ± 1,6% of full scale





2-1/2 in DIAMETER	1/4 NPT LM
Pressure Range PSI	Product No
30" Hg VAC	55.800
0-15	55.805
0-30	55.810
0-60	55.815
0-100	55.820
0-160	55.825
0-200	55.830
0-300	55.835
0-600	55.845
0-1000	55.850
0-1500	55.855
0-2000	55.860
0-3000	55.865
0-5000	55.870
0-6000	55.875

4 in DIAMETER	1/4 NPT LM
Pressure Range PSI	Product No
30" Hg VAC	55.900
0-15	55.905
0-30	55.910
0-60	55.915
0-100	55.920
0-160	55.925
0-200	55.930
0-300	55.935
0-600	55.945
0-1000	55.950
0-1500	55.955
0-2000	55.960
0-3000	55.965
0-5000	55.970
0-6000	55.975
0-10000	55.980
0-15000	55.985

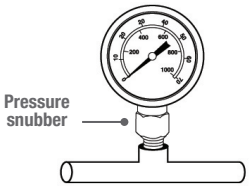
CAUTION

Working pressure should be limited to 60% of the dial maximum pressure. Where no sharp fluctuations occur, it should be limited to 90% of the dial maximum pressure.

INSTALLATION TIP

For vertical position only:
fill port is on the top.

When excessive vibrations are present, a pressure snubber should be used in order to maximize the useful life of the gauge (see last page)



GLYCERINE FOR GAUGE



Product No	Size
55.001	1 liter

FLOWMETERS

Designed for pneumatic systems, the flow meter is used to measure air flow in various applications (e.g. assessment of compressed air needs, validation of compressor performance, selection of Hoseguard anti-hose whip).

- Cost-effective solution for users who need fast, visual indication of flow rates without the need for additional electronic hardware
- Work without electricity
- Easy to read 360 degree rotatable linear scale
- Magnetic-coupled indicator with no moving seal for maximum durability
- Flow meter calibrated for compressed air: measurements are not valid for other types of gas



Model 55.029

Materials

Body: Aluminum
Seal: Viton®

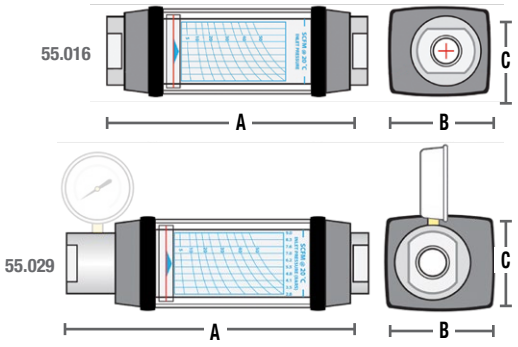
Specifications

Working Pressure: 40 to 130 PSI
Maximum Service Pressure: 1000 PSI
Fluid: Compressed air only
Maximum Working Temperature: -29 to 116 °C
Accuracy: ± 2,0 % of full scale

Product No	Thread (F) NPT	Airflow SCFM
55.016	1/2	5-50
55.029	1	25-250

DIMENSIONS

A	B	C
6.60 in / 168 mm	2.40 in / 61 mm	2.07 in / 53 mm
7.20 in / 183 mm	2.85 in / 72 mm	2.48 in / 63 mm



INSTALLATION TIP

For most accurate reading, the flowmeter needs a stable and known inlet pressure. The installation of a regulator and a pressure gauge before the inlet of the flowmeter is recommended (model 55.029 has a threaded port to insert a pressure gauge).

PRESSURE SNUBBER

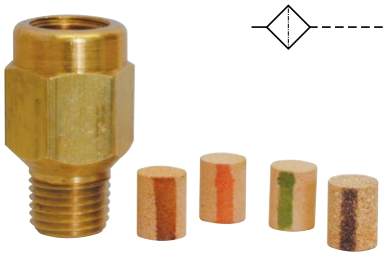
- Reduce effects of pressure surge (pulsation) that can damage pressure instruments
- Elements of different porosity are included allowing user to adjust snubbing capacity for specific applications
- May also be used as in-line filters

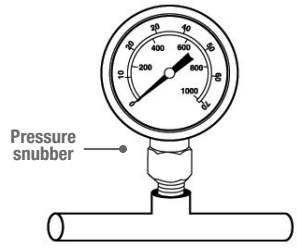
Materials

Body: Brass
Filter: Porous bronze

Specifications

Maximum Working Pressure: 10 000 PSI





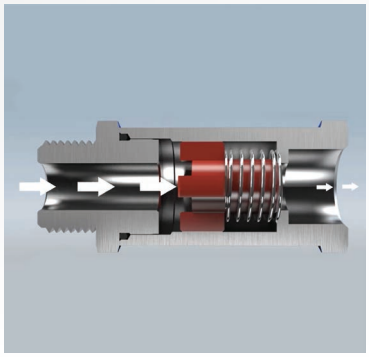
Product No	Thread (M-F) NPT
55.005	1/4

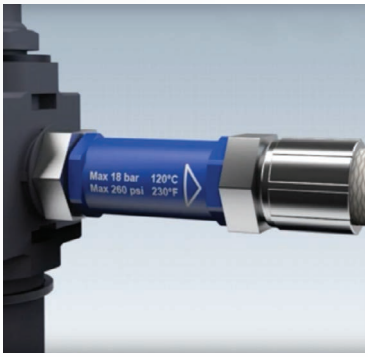
Micron Rating	Color	Applications
40 micron	Bronze	High density fluids (+ 500 SSU)
30 micron	Black	Medium density fluids (225 to 500 SSU)
25 micron	Brown	Water and low-density fluids (30 to 225 SSU)
20 micron	Green	Very low-density fluids (-30 SSU)
10 micron	Red	Air and gas

NOTES

HOSEGUARD®
Safety valves









Group 3 • Series 58

TOPRING

Compressed air solutions

THE HOSEGUARD® SAFETY VALVES: AN EFFECTIVE PROTECTION AGAINST DANGEROUS HOSE WHIP

When a fitting breaks free of a pressurized hose or when a pressurized hose ruptures, compressed air escapes uncontrolably. This causes the hose to thrash around, which can lead to:

- Injuries
- Damage to pieces in production
- Dust being blown up from the floor
- Small debris being blown around

The **HOSEGUARD®** safety valve offers a simple and efficient protection in the event of a breakage in the compressed air system, a disconnection or a rupture of a pressurised air hose.

The value of the safety valve is factory preset and configured to allow a normal air consumption when using air tools.

Should the air consumption exceed the set value of the safety valve, the air supply is immediately shut off by the internal piston.

Once the breakage is repaired, a built-in bleed hole leaks a certain amount of airflow, which automatically resets the safety valve.

- **HOSEGUARD®** safety valves are installed on virtually all compressed air distribution systems for industrial, automotive, medical, pharmaceutical, chemical, dental, food, beverage, etc.
- Meet OSHA Regulation Standard 29CFR 1926.302 (Partial) and ISO Standard 4414-11 (5.4.5.11.1)***
- Safe
- Reliable and tamperproof
- Easy to install
- Lightweight, compact and maintenance free
- Optimal airflow in normal open position
- ATEX certified



Material

Aluminum
(Stainless steel 316 available upon request)

Specifications

Maximum Working Pressure: 261 PSI

Working Temperature:
1/4, 3/8 and 1/2: -20 to 80 °C
3/4 and 1: -20 to 120 °C

MALE THREAD ALUMINUM VALVES

Product No	Inlet (M) NPT	Outlet (F) NPT	Airflow (SCFM) *	Length mm
58.952	1/4	1/4	24	58
58.955	1/4	1/4	32	58
58.957	3/8	3/8	33	69
58.959	3/8	3/8	46	69
58.961	1/2	1/2	73	79
58.962	1/2	1/2	96	79
58.964	1/2	1/2	107	79

FEMALE THREAD ALUMINUM VALVES

Product No	Inlet (F) NPT	Outlet (F) NPT	Airflow (SCFM) *	Length mm
58.967	3/4	3/4	127	76
58.969	3/4	3/4	161	76
58.972	1	1	163	100
58.974	1	1	236	100

STAINLESS STEEL VALVES

Product No	Inlet (F) NPT	Outlet (F) NPT	Airflow (SCFM) *	Length mm
58.452	1/4	1/4	24	58
58.455	1/4	1/4	32	58
58.462	1/2	1/2	96	79
58.464	1/2	1/2	107	79

Available upon special requests

* Data for closing point (+/- 10%) and other PSI available in the following pages

FACTS TO KNOW

OSHA standard No.1926.302(b)(7) states that: "All flexible hoses exceeding 1/2 inch inside diameter shall have a safety device at the source of supply or branch line to reduce pressure in case of hose failure." **TOPRING** anti-hose whip safety valves satisfy this standard.

***** ISO 4414-11 (5.4.5.11.1):**
"When failure of a hose assembly or plastic piping constitutes whiplash hazard, it shall be restrained or shielded by suitable means and/or an air fuse for compressed air shall be mounted."



YouTube

Watch the video “Demonstration: Anti hose whip safety valves” on Topring.com/Resources /Our YouTube Channel

Information required to select the right HOSEGUARD®

- Flow and pressure level needed to operate the air tool
- Pressure supply level at the inlet of the **HOSEGUARD®** safety valve
- Inside diameter and length of the air hose from the **HOSEGUARD®** safety valve to the air tool
- By using both the available airflow value and **HOSEGUARD®** safety valve closing point charts (next pages), the correct **HOSEGUARD®** safety valve can be selected
- Please be aware that using theoretical values to select a **HOSEGUARD®** safety valve is not advised

CAUTION
INSTALLATION GUIDELINES

It is essential that the compressed air used is clean and dry.

The inside diameter of the mounted air hose or pipe **installed after** the **HOSEGUARD®** safety valve **must be equal or superior to the inside diameter** of the **HOSEGUARD®** safety valve. Air hoses and pipes which are too small could impede successful closing of the **HOSEGUARD®** safety valve.

Long hoses or pneumatic tubes cause a flow restriction that could prevent the proper operation of HOSEGUARD® safety valves. As a general rule hoses with an internal diameter of 1/4 in shouldn't be over 20 feet long, 3/8 in are limited to 50 feet and 1/2 In or larger should be within a 100 feet maximum length.
For a longer hose length, please contact us via solutions@TOPRING.com

The rules above also apply to any mounted quick couplers and plugs, nipples, as these could negate the closing function of the **HOSEGUARD®** safety valve.

The inside diameter of the air hose or pipe **installed before** the **HOSEGUARD®** safety valve **must be equal or superior** to the inside diameter of the **HOSEGUARD®** safety valve.

If regulators or other components are mounted before the **HOSEGUARD®** safety valve, these components must have a higher flow than the **HOSEGUARD®** safety valve selected.

Operation of the **HOSEGUARD®** safety valve should be thoroughly tested before first use and on a regular basis thereafter. To ensure the safe operation of the safety device simply simulate a hose breakage by replacing the tool with a ball valve. See the instruction manual for more information.

Proper HOSEGUARD® safety valve installation

The **HOSEGUARD®** safety valve must be mounted between source of air supply and the flexible air hose



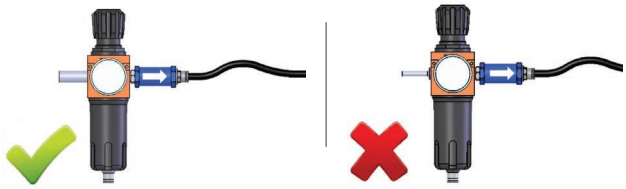
The **HOSEGUARD®** safety valve must be mounted at the end of a rigid feeding line



It is essential to ensure that the air is flowing in the correct direction (as per the arrows marked on the **HOSEGUARD®** safety valve), otherwise the safety valve will not be able to close successfully



The inside diameter of the mounted air hose or pipe installed before the **HOSEGUARD®** safety valve, must be equal or superior than the inside diameter of the **HOSEGUARD®** safety valve



CAUTION

The air system should be operated only after the **HOSEGUARD®** safety valve has been rigorously tested and secured.

The operation parameters established during the initial **HOSEGUARD®** selection must be maintained to ensure its safety and reliability. Following any changes, the parameters must be validated again to ensure conformity.

HOSEGUARD®
SAFETY VALVES



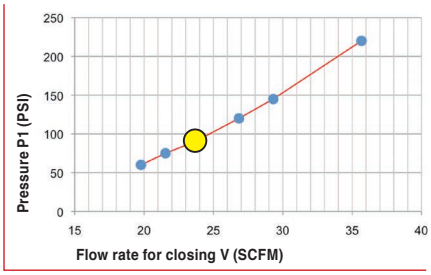
Flow measurement according to DIN EN 60534 / Airflow at closing point (+ / - 10%)

LEGEND
P1: Inlet pressure
DP: Pressure drop
V: Closing point (SCFM)

1/4 • Standard Flow

Product No: 58.952 / 58.452

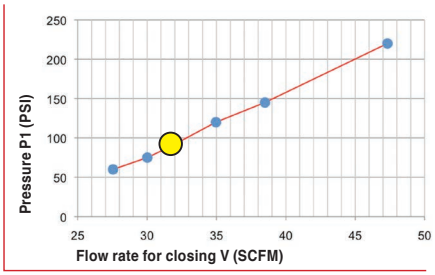
P1	Dp	V
PSI	PSI	SCFM
220	5.8	36
145	5.8	29
120	5.8	27
90	5.8	24
75	5.8	22
60	5.8	20



1/4 • High Flow

Product No: 58.955 / 58.455

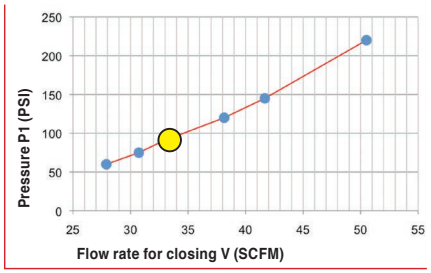
P1	Dp	V
PSI	PSI	SCFM
220	13.1	47
145	13.1	38
120	13.1	35
90	13.1	32
75	14.5	30
60	5.8	20



3/8 • Standard Flow

Product No: 58.957

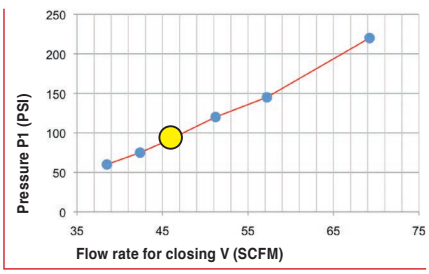
P1	Dp	V
PSI	PSI	SCFM
220	2.9	50
145	3.0	42
120	2.9	38
90	2.8	33
75	2.9	31
60	2.8	28



3/8 • High Flow

Product No: 58.959

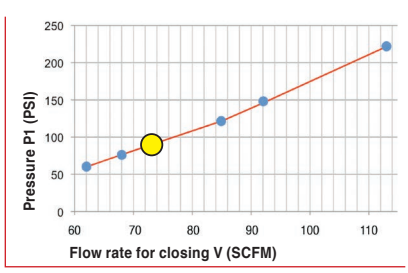
P1	Dp	V
PSI	PSI	SCFM
220	3.3	69
145	3.3	57
120	3.2	51
90	3.2	46
75	3.3	42
60	3.3	38



1/2 • Low Flow

Product No: 58.961

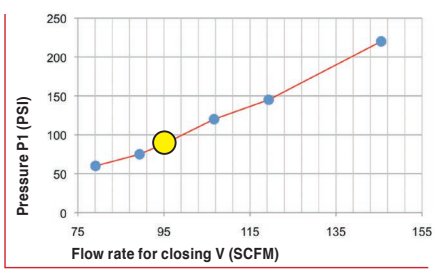
P1	Dp	V
PSI	PSI	SCFM
220	0.3	113
145	0.3	92
120	0.3	83
90	0.3	73
75	0.3	68
60	0.3	62



1/2 • Standard Flow

Product No: 58.962 / 58.462

P1	Dp	V
PSI	PSI	SCFM
220	5.4	145
145	5.4	119
120	5.2	107
90	5.1	96
75	5.1	89
60	5.1	79



HOSEGUARD®
SAFETY VALVES

Flow measurement according to DIN EN 60534 / Airflow at closing point (+ / - 10%)

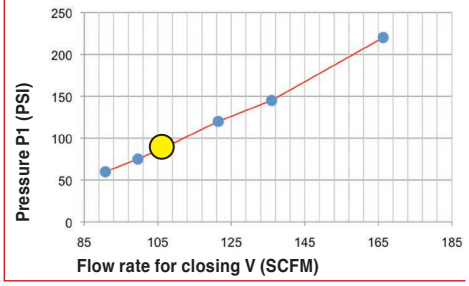
LEGEND
P1: Inlet pressure
DP: Pressure drop
V: Closing point (SCFM)



1/2 · High Flow

Product No: 58.964 / 58.464

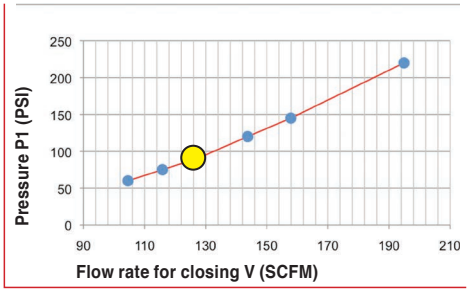
P1	Dp	V
PSI	PSI	SCFM
220	6.1	166
145	6.1	136
120	5.9	121
90	5.8	107
75	5.9	100
60	5.9	91



3/4 · Standard Flow

Product No: 58.967

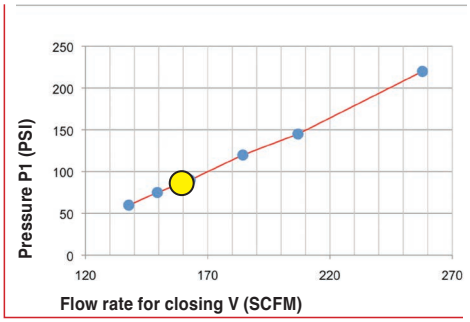
P1	Dp	V
PSI	PSI	SCFM
220	3.5	195
145	3.6	158
120	3.5	144
90	3.6	127
75	3.6	116
60	3.6	105



3/4 · High Flow

Product No: 58.969

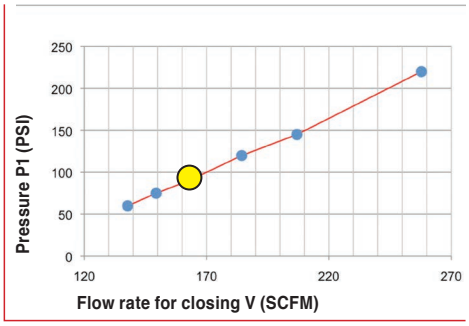
P1	Dp	V
PSI	PSI	SCFM
220	4.2	251
145	4.4	205
120	4.2	185
90	4.5	161
75	4.5	149
60	4.5	135



1 · Standard Flow

Product No: 58.972

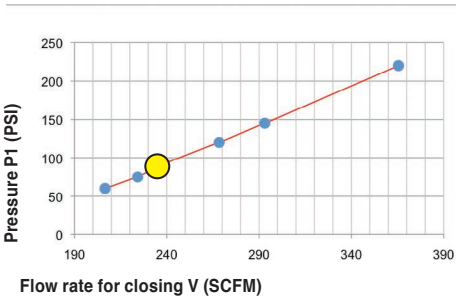
P1	Dp	V
PSI	PSI	SCFM
220	2.9	258
145	3.0	207
120	3.2	184
90	3.0	163
75	2.9	149
60	2.9	138



1 · High Flow

Product No: 58.974

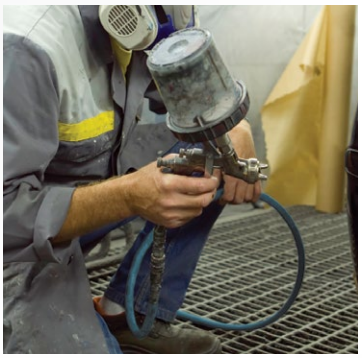
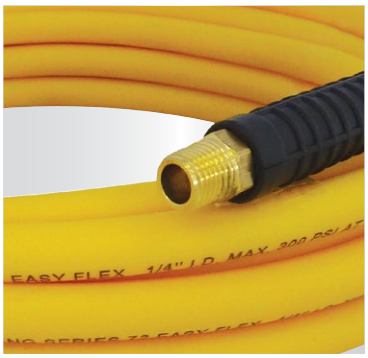
P1	Dp	V
PSI	PSI	SCFM
220	3.9	366
145	3.9	293
120	3.9	268
90	3.9	236
75	3.9	224
60	3.8	207



NOTES

Air hoses



Group 3 • Series 70-78

TOPRING

Compressed air solutions

FLEXIBLE HOSES
AIR HOSE SELECTION GUIDE

To ensure maximum performance and service:

- Select the right hose type for the job, based on the environment, conditions and the way in which the hose is to be used
- Choose hose diameter size based on the tool consumption and length (see the chart on previous page)
- Keep the hose as short as possible for the application
- Use a hose reel where possible so that the hose will not harm anyone







	SERIES 71 MAXPRO	SERIES 71 AIRFLEX Premium	SERIES 75 SUPERFLEX	SERIES 77 TOPFLEX	SERIES 77 TOPFLEX (MSHA)
Material	RUBBER				
	NR / SBR / EPDM	EPDM	Nitrile	Nitrile	Nitrile
Colour	Red	Red	Red	Black	Grey
Flexibility (+20˚C)	✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔
Cold Temperature Performance (-20˚C)	❄ ❄	❄ ❄ ❄	❄ ❄	❄ ❄	❄ ❄
Oil Resistance(Cover)	♦ ♦	♦ ♦	♦ ♦ ♦ ♦	♦ ♦ ♦ ♦	♦ ♦ ♦ ♦
Toughness	+ + +	+ + + +	+ + + +	+ + + + +	+ + + + +
Maximum Working Pressure	**300 PSI**	**300 PSI**	**300 PSI**	**250 PSI**	**300 PSI**
Sizes Available	**3/8 - 1/2**	**1/4 - 3/8 - 1/2**	**5/16 - 3/8 1/2 - 3/4 - 1**	**1/4 - 3/8 - 1/2**	**1/4 - 3/8 - 1/2**
Main Features	• Economical • Abrasion resistant • Ozone resistant	• Abrasion resistant	• Lightweight • High resistance to oils • Non-conductive 1000 VDC	• Resistant to sparks and hot chips • Oils resistant • Non-conductive 1000 volts D.C. • “LOCK-ON” hose barb fittings • Very lightweight	• Flame, sparks and hot chip resistant (MSHA Approved) • Abrasion and oils resistant • Non-conductive 1000 volts D.C. • “LOCK-ON” hose barb fittings • Very lightweight
Fluids	• Air, water	• Air, water	• Air, water, oils, lubricating oils	• Air, water, petroleum-based hydraulic oils, glycol	• Air, water, petroleum-based hydraulic oils, glycol
Applications	• General industrial • Construction • Agriculture	• General industrial • Construction • Agriculture	• General industrial • Automotive repair shops • Paint shops	• General industrial • Automotive repair shops	• General industrial • Automotive repair shops
Working Temperature	-40 to 88 °C	-40 to 99 °C	-29 to 99 °C	-29 to 99 °C	-40 to 99 °C

FLEXIBLE HOSES
AIR HOSE SELECTION GUIDE



SERIES 70 FLEXhybrid	SERIES 70 ECOFLEX	SERIES 72 THERMOFLEX	SERIES 72 EASYflex PREMIUM	SERIES 73 NYFLEX	SERIES 74 FLEXAIR	SERIES 78 TOPMAX
TECHNOPOLYMER				PVC	POLYURETHANE	
					Ester	Ester
Red	Orange / Blue	Blue	Yellow / Red / Blue	Clear	White / Orange	Yellow
✔ ✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔ ✔ ✔	✔ ✔ ✔	✔ ✔ ✔ ✔	✔ ✔ ✔ ✔
❄ ❄	❄ ❄ ❄ ❄	❄ ❄ ❄	❄ ❄ ❄ ❄ ❄	❄	❄ ❄ ❄ ❄	❄ ❄ ❄ ❄
♦ ♦ ♦ ♦	♦ ♦	♦ ♦ ♦	♦ ♦	♦ ♦	♦ ♦ ♦	♦ ♦ ♦
+ +	+ +	+ + +	+ + +	+ + +	+ + + +	+ + + +
300 PSI	**300 PSI**	**Up to 300 PSI**	**300 PSI**	**Up to 250 PSI**	**200 PSI**	**250 PSI**
1/4 - 3/8 - 1/2	**1/4 - 3/8**	**1/4 - 3/8 1/2 - 3/4**	**1/4 - 3/8 - 1/2**	**1/4 - 3/8 - 1/2 5/8 - 3/4 - 1 1-1/4 - 1-1/2 - 2**	**1/4**	**1/4**
• Economical • Excellent flexibility • Lightweight • Oil resistant	• Flexible at low temperature • Easy to handle • Economical • No silicone	• Excellent abrasion resistant • Lightweight • No silicone	• The most lexible at low temperature • Extremely easy to handle • Lightweight • No silicone	• Crystal clear • NSF-51 and CFIA certi ied material • Lightweight • No silicone	• Very lexible and lightweight • Excellent resistance to abrasion • Reusable swivel ittings • No silicone	• Very lexible and lightweight • Excellent resistance to abrasion • Reusable swivel ittings • No silicone
• Air, water	• Air, water	• Air, water	• Air, water	• Air, water	• Air	• Air
• Ideal for in-plant applications • Excellent for air tools	• Construction • General industrial	• In-plant and outdoor applications • Excellent for air tools • Excellent for paint spray systems	• Outdoor usage in extreme cold • Construction • General industrial	• General industrial • For glue lines and lubrication lines • Packaging machines	• Indoor andoutdoor applications • Construction • General industrial	• Indoor and outdoor applications • Construction
-10 to 60 °C	-40 to 65 °C	-26 to 65 °C	-54 to 65 °C	-5 to 65 °C	-40 to 60 °C	-40 to 74 °C

REFERENCE TABLE FOR AIR HOSES

INTERIOR DIAMETER REQUIRED BY AIR TOOL TYPES

To choose the proper hose internal diameter, it is important to know the consumption of the tool used (flow SCFM).
Use of a smaller than recommended hose size will result in a serious reduction of tool performance.















TOOLS TYPE	FLOW SCFM	FLEXIBLE HOSE LENGTH (ft)					
		25'	35'	50'	75'	100'	150'
NAILERS/STAPLERS							
Nailer/Stapler (18 Gauge)	2.5	1/4	1/4	1/4	1/4	1/4	1/4
Stapler (22-18 Gauge)	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Finishing nailer	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Roofing nailer	6.0	3/8	3/8	3/8	3/8	3/8	1/2
Framing nailer	11.0	3/8	3/8	3/8	3/8	3/8	1/2
Industrial Nailer	25.0	3/8	1/2	1/2	1/2	1/2	1/2
IMPACT TOOLS							
Miniature 1/4" ratchet	12.5	3/8	3/8	3/8	1/2	1/2	1/2
1/4" impact gun	14.0	3/8	3/8	3/8	1/2	1/2	1/2
3/8" ratchet	19.2	3/8	1/2	1/2	1/2	1/2	3/4
Zip gun	21.9	1/2	1/2	1/2	1/2	3/4	3/4
1/2" impact gun	28.6	1/2	1/2	1/2	3/4	3/4	3/4
3/4" impact gun	34.7	1/2	1/2	3/4	3/4	3/4	3/4
1" impact gun	87.5	3/4	3/4	3/4	1	1	1
POLISHING TOOLS							
Orbital polisher	16.6	3/8	3/8	1/2	1/2	1/2	1/2
Oscillating sander	23.0	1/2	1/2	1/2	1/2	3/4	3/4
SANDERS							
Sander	9.6	5/16	5/16	3/8	3/8	3/8	1/2
4-1/2" angle grinder	18.4	3/8	1/2	1/2	1/2	1/2	3/4
10 mm belt sander	18.9	3/8	1/2	1/2	1/2	1/2	3/4
7" angle sander	29.6	1/2	1/2	1/2	3/4	3/4	3/4
DRILLS							
3/8" air drill	17.3	3/8	1/2	1/2	1/2	1/2	1/2
3/8" reversible air drill	23.8	1/2	1/2	1/2	1/2	3/4	3/4
1/2" reversible air drill	26.4	1/2	1/2	1/2	3/4	3/4	3/4
OTHER TOOLS							
Riveter	4.0	1/4	1/4	1/4	1/4	5/16	5/16
Grease gun	8.0	5/16	5/16	5/16	3/8	3/8	3/8
Caulking gun	0.1	1/4	1/4	1/4	1/4	1/4	1/4
HVLP paint gun	9.5	5/16	5/16	3/8	3/8	3/8	1/2
Screw driver	9.6	5/16	5/16	3/8	3/8	3/8	1/2
Gravity fed sand blaster	12.0	3/8	3/8	3/8	1/2	1/2	1/2

FLEXhybrid
TECHNOPOLYMER AIR HOSES

- Engineered hybrid polymer combining best features from PVC and rubber
- Economical with excellent flexibility and lightness
- Good resistance to oils, heat, ozone and abrasion
- Easy to unroll and roll up
- Excellent hose for air tools and for general use in garages, mechanical workshops and factories

Materials

Cover and Tube: Synthetic polymer

Reinforcement: High tensile polyester yarns

Fittings: Brass

Specifications

Maximum Working Pressure:
300 PSI @ 20 °C

Working Temperature: -10 to 60 °C

Fluids: Air and water



Hose available with TopReel, FlexReel, MAXREEL, EzReel and Rolair hose reels

See Series 79 for more details





CAUTION

Prevent dangerous hose whips by adding a HOSEGUARD® safety valve on the air hose.

See Series 58



Hose length **Product No**		Hose I.D. in	Fittings (M) NPT
25 ft	50 ft		
70.115	**70.119**	1/4	1/4
70.316	**70.318**	3/8	1/4
70.415	**70.419**	1/2	3/8

ECOFLEX
TECHNOPOLYMER AIR HOSES

- High quality technopolymer with excellent flexibility
- Very good performance in cold weather (-40 °C)
- 35% lighter than rubber air hoses
- Non-marking outer cover
- Excellent abrasion resistance
- Pin pricked cover allows venting of air to prevent ballooning and eventual bursting
- Cover with medium/high resistance to oil (RMA-Class B)
- Easily recoiled / No memory
- Bend restrictor at both ends to extend the life of the air hosepoints for
- Silicone and phthalate free
- For general construction and industrial use

Phthalate FREE

Materials

Cover and Tube: Technopolymer

Reinforcement: High tensile polyester yarns

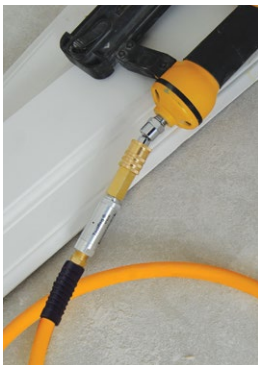
Fittings: Brass

Specifications

Maximum Working Pressure:
300 PSI @ 20 °C

Working Temperature: -40 to 65 °C

Fluids: Air and water



Hose available with MAXREEL hose reel

See Series 79 for more details





Product No	Length ft	Hose I.D. in	Fittings (M) NPT
70.136	25	1/4	1/4
70.132	35	1/4	1/4
70.138	50	1/4	1/4
70.140	100	1/4	1/4
70.332	35	3/8	1/4
70.336	25	3/8	1/4
70.338	50	3/8	1/4
70.340	100	3/8	1/4



Hose assemblies with 1/4 INDUSTRIAL coupler and plug

Product No	Length ft	Hose I.D. in	Fittings (M) NPT
70.137	25	1/4	1/4
70.139	50	1/4	1/4
70.141	100	1/4	1/4
70.337	25	3/8	1/4
70.339	50	3/8	1/4
70.341	100	3/8	1/4

I/M 1/4

QUIKSILVER 2
QUICK COUPLER
INDUSTRIAL INTERCHANGE
(AUTOMATIC)

- Automatic push-to-connect
- Compact and ergonomic design
- High performance



Hose assemblies with 1/4 INDUSTRIAL QUIKSILVER 2 coupler and plug

Product No	Length ft	Hose I.D. in	Fittings (M) NPT
70.187.01	25	1/4	1/4
70.189.01	50	1/4	1/4
70.191.01	100	1/4	1/4
70.387.01	25	3/8	1/4
70.389.01	50	3/8	1/4
70.391.01	100	3/8	1/4

MAXPRO
RUBBER AIR HOSES

- Heavy duty for professional use
- High tensile polyester yarns reinforcement reduce elongation under pressure
- Cover with medium oil resistance (RMA-Class C)
- Ozone and abrasion resistant
- Bend restrictor at both ends to extend the life of the air hose
- Good flexibility
- General use in garages, workshops, plant and agricultural applications

Materials

Cover: EPDM

Tube: NR/SBR

Reinforcement: High tensile polyester yarns

Fittings: Brass

Specifications

Maximum Working Pressure: 300 PSI @ 20 °C

Working Temperature: -40 to 88 °C

Fluids: Air and water





CAUTION

Prevent dangerous hose whips by adding a HOSEGUARD® safety valve on the air hose.

See Series 58



Product No	Length ft	Hose I.D. in	Fittings (M) NPT
71.375	25	3/8	1/4
71.379	50	3/8	1/4
71.475	25	1/2	3/8
71.479	50	1/2	3/8

AIRFLEX Premium
RUBBER AIR HOSES

- Quality general purpose flexible rubber air hose
- Cover with medium oil resistance (RMA-Class C)
- Tube resistant to oil mist contained in compressed air
- Excellent resistance to abrasion
- Good resistance to cold, heat and ozone
- Bend restrictor at both ends to extend the life of the air hose
- Long lasting
- Excellent for air tools. General industrial, construction and agricultural applications

Materials

Cover and Tube: EPDM

Reinforcement: High tensile polyester yarns

Fittings: Brass

Specifications

Maximum Working Pressure:
300 PSI @ 20 °C / 150 PSI @ 80 °C

Working Temperature: -40 to 99 °C

Fluids: Air and water



Hose available with SteelPro, TopReel and TopReel HD hose reels

See Series 79 for more details





CAUTION

Prevent dangerous hose whips by adding a HOSEGUARD® safety valve on the air hose.

See Series 58



Hose length Product No					Hose I.D. in	Fittings (M) NPT
15 ft	25 ft	35 ft	50 ft	100 ft		
71.111	**71.114**	**71.116**	**71.118**	**71.150**	1/4	1/4
71.311	**71.314**	**71.316**	**71.318**	**71.350**	3/8	3/8
71.312	**71.315**	**71.317**	**71.319**	**71.355**	3/8	1/4
71.411	**71.414**	**71.416**	**71.418**	**71.450**	1/2	1/2
71.412	**71.415**	**71.417**	**71.419**	**71.453**	1/2	3/8



Reels

Product No	Hose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft
71.113	500	1/4	0.53	11
71.313	600	3/8	0.71	17
71.410	500	1/2	0.84	22

THERMOFLEX
TECHNOPOLYMER AIR HOSES

- High quality flexible PVC compound keeps its flexibility even in cold weather (an alternative to rubber)
- Ideal for applications in contact with paints and solvents
- Lightweight and flexible for easy handling
- Easily recoils after use / No memory
- Excellent abrasion resistance
- Non-marking pin pricked cover allows venting of air to prevent ballooning and eventual bursting
- Resistant to climatic conditions, UV rays and chemicals
- Cover with medium/high resistance to oil (RMA-Class B)
- Silicone and phthalate free
- Reels compliant with RoHS directive
- Bend restrictor at both ends on 1/4, 3/8 and 1/2 in inside diameter hoses to extend the life of the air hose
- Ideal for factory applications
- Excellent for air tools and spray paint systems

Phthalate FREE

Materials

Cover and Tube: PVC compound

Reinforcement: High tensile polyester yarns

Fittings: Brass

Specifications

Maximum Working Pressure:
1/4 - 3/8 - 1/2: 300 PSI @ 20 °C
150 PSI @ 50 °C
3/4: 250 PSI @ 20 °C
100 PSI @ 50 °C

Working Temperature: -26 to 65 °C

Fluids: Air and water



Hose available with TopReel HD, SteelPro, MAXREEL and TopReel hose reels
See Series 79 for more details



CAUTION

Prevent dangerous hose whips by adding a HOSEGUARD® safety valve on the air hose.

See Series 58





Hose length Product No				Hose I.D. in	Fittings (M) NPT
25 ft	35 ft	50 ft	100 ft		
72.114•	**72.116•**	**72.118•**	**72.150•**	1/4	1/4
72.314•	**72.316•**	**72.318•**	**72.350•**	3/8	3/8
72.315•	**72.317•**	**72.319•**	**72.355•**	3/8	1/4
72.414•	**72.416•**	**72.418•**	**72.450•**	1/2	1/2
72.415•	**72.417•**	**72.419•**	**72.455•**	1/2	3/8
72.520	---	**72.560**	**72.580**	3/4	3/4

• With bend restrictors



Reels

Product No	Hose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft lb
72.100	1000	1/4	0.475	7.2
72.310	750	3/8	0.600	9.6
72.410	500	1/2	0.750	14.0
72.610	300	3/4	1.125	30.0

EASYflex *PREMIUM*
ULTRA-FLEXIBLE TECHNOPOLYMER AIR HOSES

Phthalate FREE

- Engineered to be tough and ultra-flexible at extremely low temperatures
- The physical properties and unique design of this hose make it more efficient than other general PVC and rubber hoses in cold weather
- Easily recoils after use, no memory
- 35 % lighter than rubber for easy handling
- Non-marking pin pricked cover allows venting of air to prevent ballooning and eventual bursting
- Bend restrictor at both ends to extend the life of the air hose
- Excellent abrasion resistance
- Cover with medium/high resistance to oil (RMA-Class B)
- Silicone and phthalate free
- Reels compliant with RoHS directive
- Ideal for industrial, automotive and especially on construction sites where flexibility is required at very cold temperatures
- For usage in plants where the presence of toxic materials is undesirable and where controlled refrigeration or freezing temperatures are required

Materials

Cover: Technopolymer compound

Reinforcement: High tensile strength polyester yarns to reduce elongation under pressure

Tube: High grade technopolymer compound

Fittings: Brass

Specifications

Maximum Working Pressure: 300 PSI @ 20 °C / 160 PSI @ 50 °C

Working Temperature: -54 to 65 °C

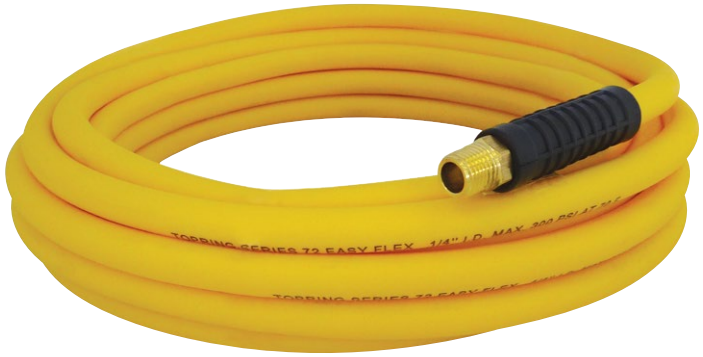
Fluids: Air and water



Hose available with PolyReel and EzReel hose reels

See Series 79 for more details





Hose Length **Product No**				Hose Color	Hose I.D. in	Fittings (M) NPT
25 ft	35 ft	50 ft	100 ft			
72.164	**72.166**	**72.168**	**72.170**	Yellow	1/4	1/4
72.364	**72.366**	**72.368**	**72.370**	Yellow	3/8	1/4
72.324	**72.326**	**72.328**	**72.330**	Red	3/8	1/4
72.464	**72.466**	**72.468**	**72.470**	Yellow	1/2	1/2
72.465	**72.467**	**72.469**	**72.471**	Yellow	1/2	3/8



Hose assemblies with 1/4 INDUSTRIAL coupler and plug

Hose Length **Product No**		Hose Color	Hose I.D. in
25 ft	50 ft		
72.165	**72.169**	Yellow	1/4
72.365	**72.369**	Yellow	3/8
72.325	**72.329**	Red	3/8



Reels

Hose Length **Product No**		Hose Color	Hose I.D. in	Hose O.D. in	Weight lb/100 ft
72.160	500	Yellow	1/4	0.500	8.0
72.360	750	Yellow	3/8	0.625	10.0
72.320	700	Red	3/8	0.625	10.0
72.460	500	Yellow	1/2	0.781	15.0

NYFLEX
GENERAL PURPOSE PVC AIR HOSES

Phthalate FREE

- PVC lightweight and flexible with non-marking cover
- Ozone and climatic conditions resistance
- Chemical resistance
- Clear and smooth inner tube
- Silicone and phthalate free
- Coils and reels compliant with RoHS directive
- For air and water lines, glue lines, lubrication lines, and packaging machines

Materials

Cover and Tube: Clear PVC compound

Reinforcement: Spiral polyester yarn with additional longitudinal yarn to reduce elongation under pressure

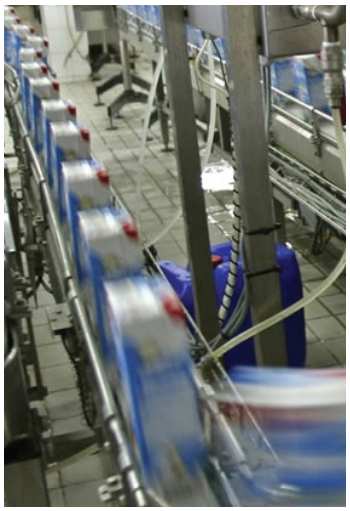
Fittings: Brass

Specifications

Maximum Working Pressure: See chart

Working Temperature: -5 to 65 °C

Fluid: Air, water and other liquids



Maximum Working Pressure		
I.D.	**20 °C**	**50 °C**
1/4	250	150
3/8	225	125
1/2 - 5/8	200	100
3/4	150	85
1	125	75
1-1/4	100	55
1-1/2	100	50
2	75	35



Hose Length **Product No**			Hose I.D. in	Fittings (M) NPT
25 ft	50 ft	100 ft		
---	**73.118**	**73.150**	1/4	1/4
---	**73.318**	**73.350**	3/8	3/8
---	**73.319**	**73.355**	3/8	1/4
73.414	**73.418**	**73.450**	1/2	1/2



Coils

Product No	Hose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft
73.100	300	1/4	0.438	6.0
73.300	300	3/8	0.594	9.0
73.400	300	1/2	0.750	13.0
73.500	300	5/8	0.891	18.0
73.600	200	3/4	1.031	22.0
73.700	200	1	1.300	30.0
73.800	100	1-1/4	1.620	45.0
73.900	100	1-1/2	1.938	64.0
73.950	100	2	2.490	93.9



Reels

Product No	Hose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft
73.110	500	1/4	0.438	6.0
73.310	500	3/8	0.594	9.0
73.410	500	1/2	0.750	13.0

FLEXAIR
POLYURETHANE AIR HOSES

- Excellent anti-aging properties last up to 10 times longer than conventional rubber hose
- Lightweight and flexible hose; contributes to the prevention of work-related injuries
- 50% lighter than rubber air hoses
- Excellent resistance to oils, grease, solvents and abrasion
- Excellent resistance to cold, weathering, sunlight and ozone
- Superior resistance to cuts and punctures
- Non-marking cover
- Highly kink resistant
- Bend restrictor at both ends to extend the life of the air hose
- Silicone-free
- Excellent for air tools such as nailers and staplers
- Ideal for outdoor and indoor applications

Materials

Cover and tube: Ester base polyurethane

Reinforcement: Spiral synthetic yarns

Fittings: Nickel plated brass

Specifications

Maximum Working Pressure:
200 PSI @ 20 °C / 128 PSI @ 50 °C

Working Temperature: -40 to 60 °C

Fluid: Air



Hose available with PolyReel hose reel
See Series 79 for more details





Hose Length Product No			Hose I.D. in	Hose O.D. in	Fittings (M) NPT	Fittings type
25 ft	50 ft	100 ft				
74.163	**74.167**	**74.169**	1/4	0.375	1/4	Non-swivel

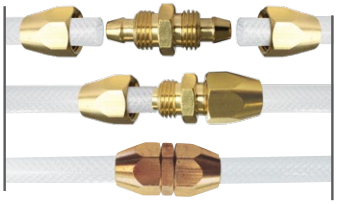


Hose Length Product No			Hose I.D. in	Hose O.D. in	Fittings (M) NPT	Fittings type
25 ft	50 ft	100 ft				
74.173	**74.174**	**74.175**	1/4	0.375	1/4	Non-swivel



Reusable swivel fitting with bend restrictor for hose repair

Product No	Hose I.D. in	Fitting (M) NPT
74.830	1/4	1/4



Reusable fitting for hose repair

Product No	Hose I.D. in	Hose O.D. in
41.835	1/4	3/8

SUPERFLEX
HIGH OIL RESISTANCE RUBBER AIR HOSES

- High quality hose offering maximum resistance to oils, gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products
- Excellent resistance to abrasion, paint and solvents; ideal for paint shop applications
- Tube and cover with high resistance to oils (RMA-Class A)
- Ozone and climatic conditions resistance
- Good flexibility
- Performs well at both high and low temperatures
- Dielectric
- Bend restrictor at both ends on 3/8 and 1/2 in inside diameter hoses to extend the life of the air hose
- Ideal in environments where oils, gasoline and solvents are present
- General industrial and automotive repair shops

Materials

Cover: Carboxylated nitrile

Reinforcement: Braided synthetic yarns

Tube: Nitrile

Fittings: Brass

Specifications

Maximum Working Pressure:
300 PSI @ 20 °C / 150 PSI @ 80 °C

Working Temperature: -29 to 99 °C

Electrical Conductivity: Non-conductive at 1000 volts D.C.

Fluids: Air and water



Hose available with various hose reels: SteelPro, TopReel and TopReel HD

See Series 79 for more details



CAUTION

Prevent dangerous hose whips by adding a HOSEGUARD® safety valve on the air hose.

See Series 58





Hose Length **Product No**				Hose I.D. in	Fittings (M) NPT
25 ft	35 ft	50 ft	100 ft		
75.314•	---	**75.318•**	**75.350•**	3/8	3/8
75.315•	**75.317•**	**75.319•**	**75.355•**	3/8	1/4
75.414•	---	**75.418•**	**75.450•**	1/2	1/2
75.415•	---	**75.419•**	**75.453•**	1/2	3/8
75.525	**75.535**	**75.560**	**75.600**	3/4	3/4
75.625	---	**75.660**	**75.680**	1	1

• With bend restrictors



Reels

Product No	Hose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft
75.310	500	3/8	0.66	18
75.410	500	1/2	0.85	28
75.610	500	3/4	1.09	40
75.710	450	1	1.38	54

TOPFLEX
RUBBER HOSES WITH LOCK-ON FITTINGS

- Resistant to sparks and hot chips
- Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils (RMA-Class B)
- Lightweight and flexible for greater maneuverability
- Dielectric (non-conductive at 1000 volts D.C.)
- Ideal for factories, machine shops, robotic machining shops, automotive mechanics shops, automotive body shops and automotive repair shop

Materials

Cover: Nitrile

Reinforcement: Very resistant spiral synthetic fibers

Tube: Nitrile

Fittings: Brass

Specifications

Maximum Working Pressure:
250 PSI @ 20 °C / 130 PSI @ 80 °C

Working Temperature: -29 to 99 °C

Electrical Conductivity: Non-conductive at 1000 volts D.C.

Fluids: Air and water



Benefits of LOCK-ON fittings

- Simple, fast and efficient maintenance and repair operations
- Easy and quick to install
- Airtight and long lasting connection
- Completely reusable



Hose available with SteelPro, TopReel and TopReel HD hose reels

See Series 79 for more details



Hose length **Product No**					Hose I.D. in	Fittings (M) NPT
15 ft	25 ft	35 ft	50 ft	100 ft		
77.121	**77.125**	**77.126**	**77.128**	**77.130**	1/4	1/4
77.331	**77.335**	**77.336**	**77.338**	**77.340**	3/8	3/8
77.341	**77.345**	**77.346**	**77.348**	**77.350**	3/8	1/4
77.431	**77.435**	**77.436**	**77.438**	**77.440**	1/2	1/2
77.441	**77.445**	**77.446**	**77.448**	**77.450**	1/2	3/8



Reels

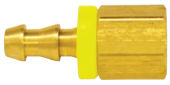
Product No	Hose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft
77.110	500	1/4	0.47	8
77.310	500	3/8	0.63	12
77.410	500	1/2	0.77	17

RECOMMENDED FITTINGS



Hose barb to male NPT
Brass

Product No	Hose I.D. in	Thread (M) NPT
41.860	1/4	1/8
41.861	1/4	1/4
41.877	1/4	3/8
41.862	3/8	1/4
41.863	3/8	3/8
41.864	3/8	1/2
41.866	1/2	3/8
41.867	1/2	1/2



Hose barb to female NPT
Brass

Product No	Hose I.D. in	Thread (F) NPT
41.871	1/4	1/4
41.872	3/8	1/4
41.873	3/8	3/8
41.874	1/2	3/8
41.875	1/2	1/2



Splicer
Brass

Product No	Hose I.D. in
41.880	1/4
41.881	3/8
41.882	1/2



1/4 INDUSTRIAL plug
Zinc plated steel

Product No	Hose I.D. in
20.365	3/8

TOPFLEX
RUBBER HOSES (MSHA) WITH LOCK-ON FITTINGS

U.S. Department of Labor MSHA Mine Safety & Health Administration

- Flame resistant cover, MSHA (Mine Safety & Health Administration) approved, to protect against flames, sparks and hot chips
- Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils and abrasion (RMA-Class B)
- Lightweight and flexible for greater maneuverability
- Dielectric (non-conductive at 1000 volts D.C.)
- Silicone-free
- Ideal for factories, machine shops, robotic machining shops, automotive mechanics shops, automotive body shops and automotive repair shop

Materials
Cover: Synthetic nitrile

Reinforcement: Very resistant braided synthetic fibers

Tube: Nitrile

Fittings: Brass

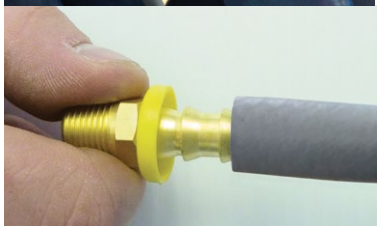
Specifications
Maximum Working Pressure:
300 PSI @ 20 °C / 150 PSI @ 80 °C

Working Temperature: -40 to 99 °C

Electrical Conductivity: Non-conductive at 1000 volts D.C.

Fluid: Air





Benefits of LOCK-ON fittings
- Simple, fast and efficient maintenance and repair operations
- Easy and quick to install
- Airtight and long lasting connection
- Completely reusable



Hose length Product No			Hose I.D. in	Fittings (M) NPT
25 ft	50 ft	100 ft		
77.164	**77.168**	**77.170**	1/4	1/4
77.364	**77.368**	**77.370**	3/8	3/8
77.365	**77.369**	**77.371**	3/8	1/4
77.464	**77.468**	**77.470**	1/2	1/2
77.465	**77.469**	**77.471**	1/2	3/8



Reels

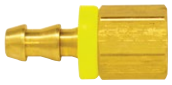
Product No	Lose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft
77.160	500	1/4	0.54	10
77.360	500	3/8	0.69	14
77.460	500	1/2	0.81	17

RECOMMENDED FITTINGS



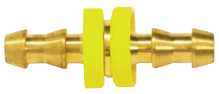
Hose barb to male NPT
Brass

Product No	Hose I.D. in	Thread (M) NPT
41.860	1/4	1/8
41.861	1/4	1/4
41.877	1/4	3/8
41.862	3/8	1/4
41.863	3/8	3/8
41.864	3/8	1/2
41.866	1/2	3/8
41.867	1/2	1/2



Hose barb to female NPT
Brass

Product No	Hose I.D. in	Thread (F) NPT
41.871	1/4	1/4
41.872	3/8	1/4
41.873	3/8	3/8
41.874	1/2	3/8
41.875	1/2	1/2



Splicer
Brass

Product No	Hose I.D. in
41.880	1/4
41.881	3/8
41.882	1/2



1/4 INDUSTRIAL plug
Zinc plated steel

Product No	Hose I.D. in
20.365	3/8

TOPMAX
POLYURETHANE AIR HOSES

- Excellent flexibility
- Lighter, more durable and more chemical resistant than any other air hose material
- Ergonomically designed to contribute to the prevention of work-related injuries
- 75% lighter than rubber air hoses and 50% lighter than PVC air hoses
- Excellent resistance to lubricating oils, grease and solvents
- Excellent resistance to UV rays, weathering and ozone
- High abrasion resistance
- Superior resistance to cuts
- Reusable full flow swivel fittings for maximum directional flexibility
- Bend restrictor at both ends to extend the life of the air hose
- Non-marking cover
- Silicone-free
- Reel compliant with RoHS directive
- Excellent for air tools such as nailers and staplers, assembly line using compressed air, painting equipment

Materials

Cover and Tube: Ester base polyurethane

Reinforcement: Synthetic polyester yarns

Fittings: Brass

Specifications

Maximum Working Pressure:
250 PSI @ 20 °C / 130 PSI @ 65 °C

Working Temperature: -40 to 74 °C

Fluid: Air



360°

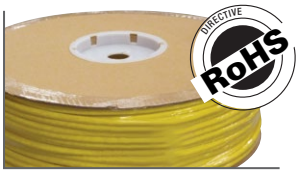
Swivel fitting at both ends

Product No Hose length			Hose I.D. in	Fittings (M) NPT
25 ft	50 ft	100 ft		
78.114	**78.118**	**78.150**	1/4	1/4



Hose assemblies with 1/4 INDUSTRIAL coupler and plug

Product No	Hose Length ft	Hose I.D. in	Fittings (M) NPT
78.119	50	1/4	1/4



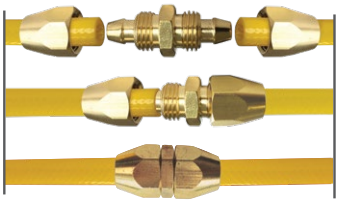
Reel

Product No	Hose Length ft	Hose I.D. in	Hose O.D. in	Weight lb/100 ft lb
78.110	300	1/4	0.385	3.6



Reusable swivel fitting with bend restrictor for hose repair

Product No	Hose I.D. in	Fitting (M) NPT
78.825	1/4	1/4



Reusable fitting for hose repair

Product No	Hose I.D. in	Hose O.D. in
41.835	1/4	3/8

Hose reels





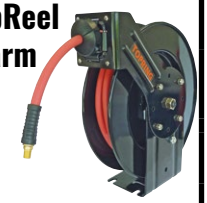

Group 3 • Series 79

TOPRING

Compressed air solutions

INDUSTRIAL HOSE REELS

INFORMATIONS IN THE SELECTION GUIDE
Air hose / Material / PSI / Temperature / Diameter
Length x Outlet NPT / Product No

Air hose	Thermoflex				Airflex			EasyFlex		Flexhybrid		
Material/PSI/Temp	Technopolymer 300 PSI/-26 to 65 °C				EPDM rubber 300 PSI/-40 to 99°C			Technopolymer 300 PSI/-54 to 65°C		Technopolymer 300 PSI/-10 to 60 °C		
Hose diameter (in)	1/4	3/8	1/2	3/4	1/4	3/8	1/2	3/8	1/2	1/4	3/8	1/2
SteelPro Box | Manual 		200'x3/8" 79.090	125'x1/2" 79.091									
SteelPro Box | Manual 		150'x3/8" 79.001 250'x3/8" 79.005 350'x3/8" 79.007	100'x1/2" 79.002 200'x1/2" 79.006 300'x1/2" 79.010									
SteelPro Box 			100'x1/2" 79.236	50'x3/4" 79.238 70'x3/4" 79.239			100'x1/2" 79.250					
SteelPro 1 arm 	50'x1/4" 79.732	35'x1/4" 79.734			35'x1/4" 79.711 50'x1/4" 79.712	25'x1/4" 79.713 35'x1/4" 79.714 50'x1/4" 79.715 50'x3/8" 79.716	35'x3/8" 79.718 50'x3/8" 79.717					
SteelPro INOX 1 arm 						50'x3/8" 79.837 70'x3/8" 79.838	50'x3/8" 79.839					
SteelPro 1 arm 			100'x1/2" 79.741	50'x1/2" 79.742 65'x1/2" 79.743			100'x1/2" 79.721					
TopReel 1 arm 		65'x1/4" 79.937	65'x3/8" 79.939		25'x1/4" 79.990 33'x1/4" 79.991	25'x1/4" 79.993 33'x1/4" 79.994 50'x1/4" 79.995 65'x1/4" 79.996	33'x3/8" 79.997 50'x3/8" 79.998 65'x3/8" 79.999			33'x1/4" 79.891	25'x1/4" 79.893 33'x1/4" 79.894 50'x1/4" 79.895 65'x1/4" 79.896	50'x3/8" 79.898 65'x3/8" 79.899
TopReel HD 2 arms 		33'x1/4" 79.513 50'x1/4" 79.514 65'x1/4" 79.515	33'x3/8" 79.518 50'x3/8" 79.519 65'x3/8" 79.520			33'x1/4" 79.503 79.503.01 50'x1/4" 79.504 79.504.01 65'x1/4" 79.505	33'x3/8" 79.508 79.508.01 50'x3/8" 79.509 79.509.01 65'x3/8" 79.510	33'x1/4" 79.592 50'x1/4" 79.593 65'x1/4" 79.594	33'x3/8" 79.597 50'x3/8" 79.598 65'x3/8" 79.599		50'x1/4" 79.484 65'x1/4" 79.565	50'x3/8" 79.489 65'x3/8" 79.570

TopReel HD models with suffix .01: includes a Hoseguard safety valve

INFORMATIONS IN THE SELECTION GUIDE
Air hose / Material / PSI / Temperature / Diameter
Length x Outlet NPT / Product No

Superflex Nitrile rubber 300 PSI / -29 to 99 °C				Topflex Nitrile rubber 250 PSI /-29 to 99 °C			Topflex MSHA Nitrile rubber 300 PSI/-40 to 99 °C		Ecoflex Technopolymer 300 PSI/-40 to 65 °C	EMPTY REEL HOSE CAPACITIES diameter (in) x length (ft)
3/8	1/2	3/4	1	1/4	3/8	1/2	3/8	1/2	3/8	
										SteelPro 79.705 3/8 x 150 | 1/2 x 100
100'x3/8" 79.003	60'x1/2" 79.004									**SteelPro** 79.100 3/8 x 100 | 1/2 x 75 79.101 3/8 x 250 | 1/2 x 175 79.102 3/8 x 350 | 1/2 x 275 79.106 3/4 x 100 | 1 x 75
200'x3/8" 79.008	120'x1/2" 79.009	100'x3/4" 79.019	75'x3/4" 79.020							
275'x3/8" 79.017	175'x1/2" 79.018									
	50'x1/2" 79.257	50'x3/4" 79.258	50'x1" 79.262			100'x1/2" 79.243				**SteelPro** 79.200 1/2 x 100 79.201 3/4 x 70 79.202 1 x 50
	100'x1/2" 79.259	70'x3/4" 79.263								
25'x1/4" 79.753					25'x1/4" 79.773					**SteelPro** 79.700 1/4 x 50 | 3/8 x 35 79.702 3/8 x 70 | 1/2 x 50
35'x1/4" 79.754	35'x3/8" 79.758			35'x1/4" 79.771	35'x1/4" 79.774	35'x3/8" 79.778				
50'x1/4" 79.755	50'x3/8" 79.757			50'x1/4" 79.772	50'x1/4" 79.775	50'x3/8" 79.777				
50'x3/8" 79.756					50'x3/8" 79.776					
50'x3/8" 79.847	50'x3/8" 79.849									**SteelPro Inox** 79.833 3/8 x 70 | 1/2 x 50
70'x3/8" 79.848										
	100'x1/2" 79.761	50'x1/2" 79.762				100'x1/2" 79.781		100'x1/2" 79.791		**SteelPro** 79.704 1/2 x 100 79.706 3/4 x 65
		65'x1/2" 79.763								
25'x1/4" 79.924	33'x3/8" 79.933				25'x1/4" 79.974	33'x3/8" 79.982				**TopReel** 79.930 3/8 x 33 79.932 1/2 x 65
33'x1/4" 79.926	50'x3/8" 79.934			25'x1/4" 79.970	33'x1/4" 79.976	50'x3/8" 79.984				
50'x1/4" 79.928	65'x3/8" 79.936			33'x1/4" 79.972	50'x1/4" 79.978	65'x3/8" 79.986				
65'x1/4" 79.929					65'x1/4" 79.980					
33'x1/4" 79.523	33'x3/8" 79.528				33'x1/4" 79.533	33'x3/8" 79.538				**TopReel HD** 79.500 3/8 x 50 79.501 1/2 x 65
50'x1/4" 79.524	50'x3/8" 79.529				50'x1/4" 79.534	50'x3/8" 79.539	50'x1/4" 79.584		65'x1/4" 79.575	
65'x1/4" 79.525	65'x3/8" 79.530				65'x1/4" 79.535	65'x3/8" 79.532				

INFORMATIONS IN THE SELECTION GUIDE
Air hose / Material / PSI / Temperature / Diameter
Length x Outlet NPT / Product No

INDUSTRIAL HOSE REELS

Air hose	Polyurethane 145 PSI / -5 to 40°C	
Material/PSI/Temp		
Hose diameter (in)	5/16	1/4
 Retracto		20'x1/4" 79.405
 Retracto	30'x1/4" 79.408 79.408.01	

Retracto codes with suffix .01 include the Slow Motion mechanism

Air hose	Polyurethane 145 PSI / -5 to 40°C		
Material/PSI/Temp			
Hose diameter (in)	5/16	3/8	1/2
 Retracto	40'x1/4" 79.410 79.410.01	25'x3/8" 79.420 79.420.01	
 Retracto	50'x1/4" 79.415 79.415.01	45'x3/8" 79.425 79.425.01	
 Retracto		65'x3/8" 79.435	50'x1/2" 79.440

INDUSTRIAL WATER HOSE REELS

Water hose	Thermoflex	Nyflex	Airflex	
Material	Technopolymer	PVC	EPDM rubber	PVC
Hose diameter (in)	1/2	1/2	1/2	5/8
 Hot water			50'x1/2" 79.149	
 Water	50'x3/4" GHT 79.141			
 Drinkable water		50'x1/2" 79.143		
 Retracto				65'x 3/4" GHT 79.155

PROFESSIONAL WATER HOSE REELS

Water hose	Flexhybrid	Thermoflex
Material	Technopolymer	Technopolymer
Hose diameter (in)	1/2	1/2
 MaxReel	50'x3/4" GHT 79.138	
 MaxReel		50'x3/4" GHT 79.140

For PSI and temperature for water hose reels, please refer to pages 22 to 27.

INFORMATIONS IN THE SELECTION GUIDE
Air hose / Material / PSI / Temperature / Diameter
Length x Outlet NPT / Product No

PROFESSIONAL HOSE REELS

Air hose	Flexhybrid		Thermoflex			Ecoflex		EasyFlex	Topflex		Airflex
Material PSI/Temp	Technopolymer 300 PSI -10 to 60 °C		Technopolymer 300 PSI -26 to 65 °C			Technopolymer 300 PSI -40 to 65°C		Technopolymer 300 PSI -54 to 65°C	Nitrile rubber 250 PSI -29 to 99 °C		EPDM rubber 300 PSI -40 to 99°C
Hose diameter (in)	3/8	1/2	1/4	3/8	1/2	1/4	3/8	1/4	3/8	1/2	3/8
EzReel	50'x1/4" 79.814	50'x3/8" 79.816 60'x3/8" 79.817	100'x1/4" 79.822 200'x1/4" 79.824			100'x1/4" 79.802 200'x1/4" 79.807	50'x1/4" 79.804 100'x1/4" 79.808	100'x1/4" 79.801 200'x1/4" 79.810			
MaxReel	33'x1/4" 79.340 50'x1/4" 79.334	50'x3/8" 79.336		25'x1/4" 79.392 33'x1/4" 79.393 50'x1/4" 79.394	50'x3/8" 79.396		25'x1/4" 79.332 33'x1/4" 79.333 50'x1/4" 79.335		25'x1/4" 79.322 33'x1/4" 79.323 50'x1/4" 79.324	50'x3/8" 79.326	50'x1/4" 79.306
FlexReel	50'x1/4" 79.805										

EMPTY REEL HOSE CAPACITIES
diameter (in) x length (ft)

EzReel		MaxReel		
79.820 1/4 x 100 3/8 x 50 1/2 x 30	79.825 1/4 x 200 3/8 x 100 1/2 x 60	79.331 3/8 x 33	79.320 1/4 x 33 3/8 x 50	79.321 1/2 x 50

Air hose	Flexair	Ecoflex	EasyFlex
Material PSI/Temp	Polyurethane 200 PSI -40 to 60°C	Technopolymer 300 PSI -40 to 65°C	Technopolymer 300 PSI -54 to 65°C
Hose diameter (in)	1/4		
PolyReel	100'x1/4" 79.040		
PolyReel			100'x1/4" 79.060
PolyReel with 1/4 Industrial coupler and plug		100'x1/4" 79.050	

Air hose	Hybrid polymer	PVC	
Material PSI/Temp	180 PSI 0 to 60 °C	300 PSI 0 to 60 °C	
Hose diameter (in)	1/4	1/4	3/8
Rolair Compact	27'x1/4" 79.365		
Rolair Classic		33'x1/4" 79.370	30'x1/4" 79.375
Rolair Pro			50'x1/4" 79.380

SteelPro Compact

OPEN MODEL - BOX STYLE | MANUAL RETRACTABLE

- Heavy-duty steel base
- Flow-through shaft allows for left or right hand mounting positions
- Only 14.5 in tall
- Heavy-duty bearings require no lubrication
- External swivel
- Fully adjustable brake with a hand knob

Connecting hose for air inlet not included / refer to the table below

FLUID
AIR ONLY

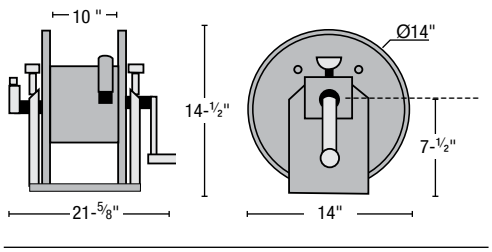


AIR HOSE

THERMOFLEX : 300 PSI / -26 to 65 °C

- High quality lightweight and flexible technopolymer
- Cover with medium/high resistance to oil (RMA-Class B)
- Excellent resistance to abrasion
- Silicone and phthalate free
- Ideal for applications in contact with paints and solvents

DIMENSIONS



Hose Reel with Hose				Connecting Hose	
Product No					
THERMOFLEX Technopolymer	Hose I.D. in	Hose Length ft	Outlet (M) NPT	Inlet/Outlet (M) NPT	Product No
79.090	3/8	200	3/8	1/2	**79.014**
79.091	1/2	125	1/2	1/2	**79.014**

Bend restrictor at the outlet of hose

Hose Reel without Hose					Connecting Hose	
Product No	Hose capacity with in I.D.		Fitting Type at the Inlet	Inlet/ Outlet (F) NPT	Inlet/Outlet (M) NPT	Product No
	3/8	1/2				
79.705	150 ft	100 ft	Swivel	1/2	1/2	**79.014**



SteelPro Plus

OPEN MODEL - BOX STYLE | MANUAL RETRACTABLE

FLUID
AIR ONLY



- Heavy-duty steel with powder-coated finish
- Flow through shaft for universal installation
- Super swivel with nylon/glass filled bearings for longer life
- Fully adjustable brake - adjust tension with hand knob
- Mounting base is light and strong
- Simple 2 position positive lock pin for transport

Connecting hose for air inlet not included / refer to the table below

AIR HOSES

THERMOFLEX : 300 PSI / -26 to 65 °C

- High quality lightweight and flexible technopolymer
- Cover with medium/high resistance to oil (RMA-Class B)
- Excellent resistance to abrasion
- Silicone and phthalate free
- Ideal for applications in contact with paints and solvents

SUPERFLEX: 300 PSI /-29 to 99 °C

- High quality nitrile rubber air hose
- Maximum resistance to oils (RMA-Class A), gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products
- Dielectric (non-conductive at 1000 volts D.C.)
- Ideal in environments where oils, gasoline and solvents are present

Hose Reel with Hose

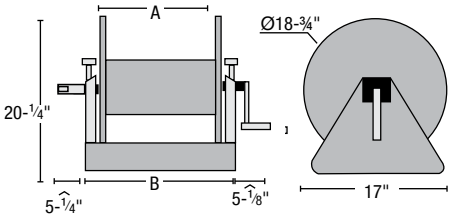
Product No				
THERMOFLEX Technopolymer	SUPERFLEX Rubber	Hose I.D. in	Hose Length ft	Outlet (M) NPT
---	**79.003**	3/8	100	3/8
79.001	---	3/8	150	3/8
---	**79.008**	3/8	200	3/8
79.005	---	3/8	250	3/8
---	**79.017**	3/8	275	3/8
79.007	---	3/8	350	3/8
---	**79.004**	1/2	60	1/2
79.002	---	1/2	100	1/2
---	**79.009**	1/2	120	1/2
---	**79.018**	1/2	175	1/2
79.006	---	1/2	200	1/2
79.010	---	1/2	300	1/2
---	**79.019**	3/4	100	3/4
---	**79.020**	1	75	3/4

Bend restrictor at the outlet of 3/8 and 1/2 diameter hoses

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1	**79.015**
1	**79.015**

DIMENSIONS



	A	B
79.100	5	8-3/4
79.101	10	13-3/4
79.102	15	19-1/2
79.106	15	19-1/2

Hose Reel without Hose

Product No	Hose capacity with in I.D.				Inlet (F) NPT	Outlet (F) NPT
	3/8	1/2	3/4	1		
79.100	100 ft	75 ft	---	---	1/2	1/2
79.101	250 ft	175 ft	---	---	1/2	1/2
79.102	350 ft	275 ft	---	---	1/2	1/2
79.106	---	---	100 ft	75 ft	1	1*

* 3/4 (F) – 1 (M) NPT reducer included

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1	**79.015**

SteelPro

OPEN MODEL - BOX STYLE | AUTOMATIC RETRACTABLE

- Heavy-duty steel with powder-coated finish
- Spring sealed inside the case
- Full 1 in flow path
- 4-direction non-snag rollers to reduce hose wear
- Heavy-duty spool and frame design

Connecting hose not included / refer to table below to order

FLUID
AIR ONLY





AIR HOSES

AIRFLEX PREMIUM: 300 PSI / -40 to 99 °C
- Long lasting quality EPDM rubber
- Excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

SUPERFLEX: 300 PSI /-29 to 99 °C
- High quality nitrile rubber
- Maximum resistance to oils (RMA-Class A), gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products
- Dielectric (non-conductive at 1000 volts D.C.)
- Ideal in environments where oils, gasoline and solvents are present

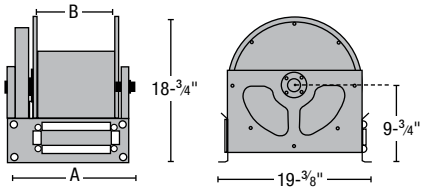
TOPFLEX: 250 PSI /-29 to 99 °C
- Rubber with lock-on fitting /Dielectric (non-conductive at 1000 volts D.C.)
- Resistant to sparks and hot chips
- Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils (RMA-Class B)
- Ideal for applications in factories, auto mechanics and body shops

THERMOFLEX: 300 PSI / -26 to 65 °C
- High quality lightweight and flexible technopolymer
- Cover with medium / High resistance to oil (RMA-Class B)
- Excellent abrasion resistance
- Ideal for applications in contact with paints and solvents
- Silicone and phthalate free

DIMENSIONS

	A	B
79.200	12-½"	6"
79.201	16-½" *	10"
79.202		

* 20" with swivel installed



INSTALLATION OPTIONS: Floor - Wall (do not install upside down)

Hose Reel with Hose

Product No AIRFLEX Rubber	SUPERFLEX Rubber	TOPFLEX Rubber	THERMOFLEX Technopolymer	Hose I.D. in	Hose Length ft	Outlet (M) NPT
---	**79.257**	---		1/2	50	1/2
79.250	**79.259**	**79.243**	**79.236**	1/2	100	1/2
---	**79.258**	---	79.238	3/4	50	3/4
---	**79.263**	---	**79.239**	3/4	70	3/4
---	**79.262**	---	---	1	50	1

Bend restrictor at the outlet of hose for 1/2 diameter hose / Except for Topflex

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	**79.014**
1/2	**79.014**
1	**79.015**
1	**79.015**
1	**79.015**

Hose Reel without Hose

Product No	Hose Capacity with I.D. 1/2	3/4	1	Fitting Type at the Inlet	Inlet (F) NPT	Outlet (F) NPT
79.200	100 ft	---	---	Non-swivel	1/2	1/2
79.201	---	70 ft	---	Swivel	1*	3/4
79.202	---	---	50 ft	Swivel	1	1

*3/4 (F) - 1 (M) NPT reducer included

Connecting Hose

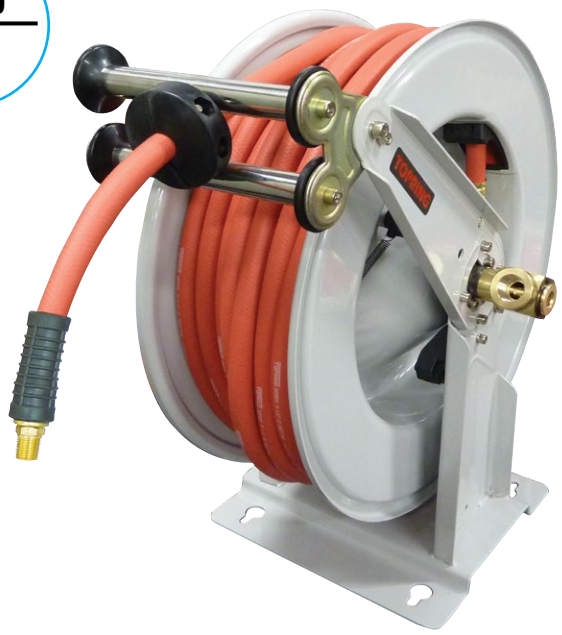
Inlet/Outlet (M) NPT	Product No
1/2	**79.014**
1	**79.015**
1	**79.015**

SteelPro

OPEN MODEL WITH 2 ARMS | AUTOMATIC RETRACTABLE

- Steel construction with corrosion-resistant finish
- Double guide arm for handling up to 3 positions
- Ribbed steel plate and wide profile base with grooved reinforcement
- 4-direction non-snag rollers to reduce hose wear
- Multi-position ratchet lock and easy tension adjustment
- Full flow swivel mechanism, ball bearing mounted
- Fully enclosed, lubricated and centered spring

FLUID
AIR ONLY



Connecting hose not included / refer to table below to order

AIR HOSES

AIRFLEX PREMIUM: 300 PSI / -40 to 99 °C
- Long lasting quality EPDM rubber
- Excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

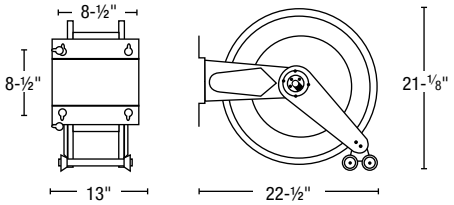
SUPERFLEX: 300 PSI /-29 to 99 °C
- High quality nitrile rubber
- Maximum resistance to oils (RMA-Class A), gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products
- Dielectric (non-conductive at 1000 volts D.C.)
- Ideal in environments where oils, gasoline and solvents are present

TOPFLEX: 250 PSI /-29 to 99 °C
- Rubber with lock-on fitting / Dielectric (non-conductive at 1000 volts D.C.)
- Resistant to sparks and hot chips
- Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils (RMA-Class B)
- Ideal for applications in factories, auto mechanics and body shops

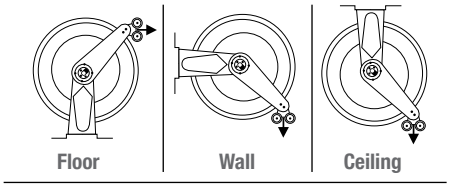
TOPFLEX MSHA: 250 PSI /-40 to 99 °C / Dielectric (non-conductive at 1000 volts D.C.)
- Synthetic rubber with lock-on fitting
- Flame resistant cover, MSHA (Mine Safety & Health Administration) approved, to protect against flames, sparks and hot chips

THERMOFLEX: 300 PSI / -26 to 65 °C
- High quality lightweight and flexible technopolymer
- Cover with medium / High resistance to oil (RMA-Class B)
- Excellent abrasion resistance
- Ideal for applications in contact with paints and solvents
- Silicone and phthalate free

DIMENSIONS



INSTALLATION OPTIONS



Hose Reel with Hose

Product No							
AIRFLEX Rubber	**SUPERFLEX** Rubber	**TOPFLEX** Rubber	**TOPFLEX MSHA** Rubber	**THERMOFLEX** Technopolymer	Hose I.D. in	Hose Length ft	Outlet (M) NPT
79.721	**79.761**	**79.781**	**79.791**	**79.741**	1/2	100	1/2
---	**79.762**	---		**79.742**	3/4	50	1/2
---	**79.763**	---		**79.743**	3/4	65	1/2

Guard bend restrictor at the outlet of hose for 1/2 diameter hose / Except for Topflex and Topflex MSHA

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**

Hose Reel without Hose

Product No	Hose Capacity with I.D.		Inlet/Outlet* (F) NPT
	1/2	3/4	
79.704	100 ft	---	1/2
79.706	---	65 ft	1/2

*1/2 (F) – 3/4 (M) NPT reducer included

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	**79.014**
1/2	**79.014**

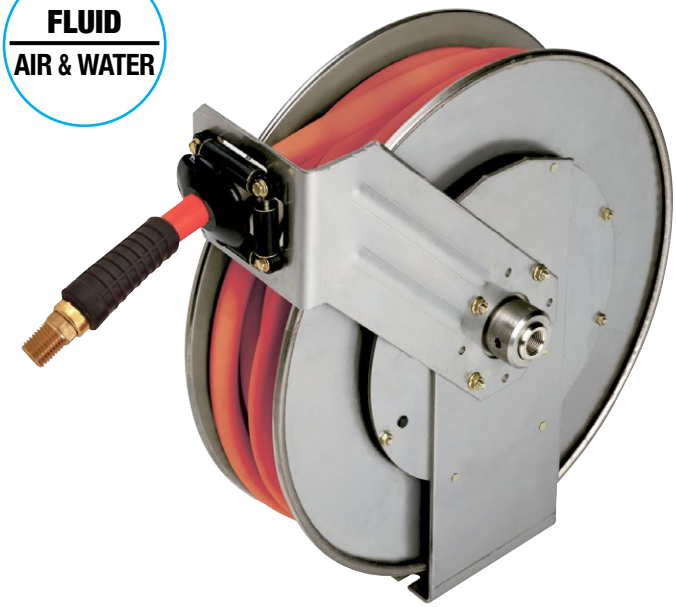
SteelPro INOX

OPEN MODEL WITH 1 ARM | AUTOMATIC RETRACTABLE

- Heavy gauge 304 stainless steel construction
- 8 position guide arm
- No weld housing increasing durability
- Fully committed, non-jamming latch pawl
- Stainless steel swivel reduces corrosion potential
- Single set screw to access latch area and spring case
- Drive spring mechanism lubricated for life
- One piece combination latch, spring arbor, main bearing and spool support
- Non-sparking latch mechanism in the event flammable gases or liquids are present
- Compact design for limited space

Connecting hose not included / refer to table below to order

FLUID
AIR & WATER



AIR HOSES

AIRFLEX PREMIUM: 300 PSI / -40 to 99 °C

- Long lasting quality EPDM rubber
- Excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

SUPERFLEX: 300 PSI /-29 to 99 °C

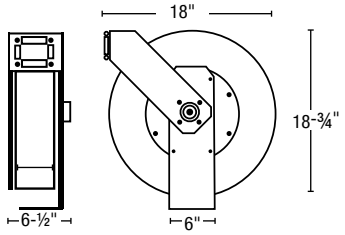
- High quality nitrile rubber air hose
- Maximum resistance to oils (RMA-Class A), gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products
- Dielectric (non-conductive at 1000 volts D.C.)
- Ideal in environments where oils, gasoline and solvents are present

304 STAINLESS STEEL

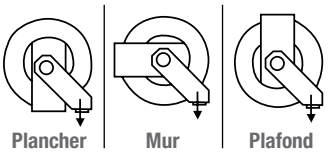
Ideal for harsh environments such as chemical clean up or when an exceptionally clean area has to be maintained for food or beverage process



DIMENSIONS



INSTALLATION OPTIONS



Hose Reel with Hose					Connecting Hose	
Product No						
AIRFLEX Caoutchouc	SUPERFLEX Caoutchouc	Hose I.D. in	Hose Length ft	Outlet (M) NPT	Inlet/Outlet (M) NPT	Product No
79.837	**79.847**	3/8	50	3/8	1/2	**79.014**
79.838	**79.848**	3/8	70	3/8	1/2	**79.014**
79.839	**79.849**	1/2	50	3/8	1/2	**79.014**

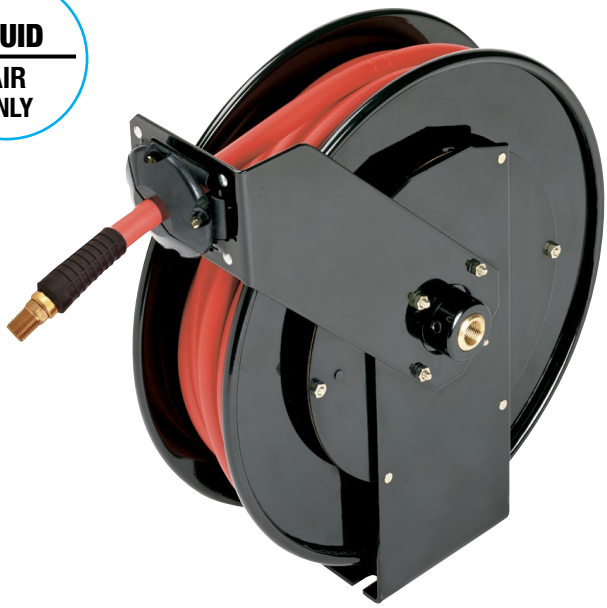
Bend restrictor at the outlet of hose

Hose Reel without Hose				Connecting Hose	
Product No	Hose Capacity with I.D.		Inlet/Outlet (F) NPT	Inlet/Outlet (M) NPT	Product No
	3/8	1/2			
79.833	70 ft	50 ft	1/2	1/2	**79.014**

SteelPro

OPEN MODEL WITH 1 ARM | AUTOMATIC RETRACTABLE

FLUID
AIR ONLY



- Bolted steel construction with durable powder coat finish
- Permanently lubricated drive-spring mechanism to ensure many years of dependable service
- One-piece combination latch, spring arbor, main bearing and pool support for fewer moving parts
- Nickel plated steel shaft and swivel reduce potential for corrosion
- Hidden latch mechanism to prevent grime buildup
- Adjustable drag brake/spool lock

Connecting hose not included / refer to table below to order

AIR HOSES

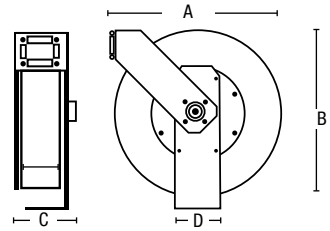
AIRFLEX PREMIUM: 300 PSI / -40 to 99 °C
- Long lasting quality EPDM rubber
- Excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

SUPERFLEX: 300 PSI /-29 to 99 °C
- High quality nitrile rubber
- Maximum resistance to oils (RMA-Class A), gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products
- Dielectric (non-conductive at 1000 volts D.C.)
- Ideal in environments where oils, gasoline and solvents are present

TOPFLEX: 250 PSI /-29 to 99 °C
- Rubber with lock-on fitting / Dielectric (non-conductive at 1000 volts D.C.)
- Resistant to sparks and hot chips /Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils (RMA-Class B)
- Ideal for applications in factories, auto mechanics and body shops

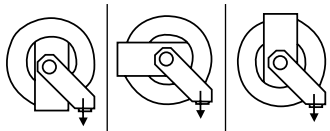
THERMOFLEX: 300 PSI / -26 to 65 °C
- High quality lightweight and flexible technopolymer
- Cover with medium / High resistance to oil (RMA-Class B)
- Excellent abrasion resistance
- Ideal for applications in contact with paints and solvents
- Silicone and phthalate free

DIMENSIONS



	A	B	C	D
Standard	14"	14-⅞"	5-¼"	5"
Large	18"	18-¾"	6-½"	6"

INSTALLATION OPTIONS



Hose Reel with Hose

Product No AIRFLEX Rubber	SUPERFLEX Rubber	TOPFLEX Rubber	THERMOFLEX Technopolymer	Hose I.D. in	Hose Length ft	Outlet (M) NPT	Model
79.711	---	79.771	---	1/4	35	1/4	Standard
79.712	---	79.772	79.732	1/4	50	1/4	Standard
79.713	79.753	79.773	---	3/8	25	1/4	Standard
79.714	79.754	79.774	79.734	3/8	35	1/4	Standard
79.715	79.755	79.775	---	3/8	50	1/4	Large
79.716	79.756	79.776	---	3/8	50	3/8	Large
79.718	79.758	79.778	---	1/2	35	3/8	Large
79.717	79.757	79.777	---	1/2	50	3/8	Large

Bend restrictor at the outlet of hose / Except for Topflex

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014

Hose Reel without Hose

Product No	Hose Capacity with I.D. 1/4	3/8	1/2	Inlet (F) NPT	Outlet (F) NPT	Model
79.700	50 ft	35 ft	---	1/2	3/8	Standard
79.702	---	70 ft	50 ft	1/2	1/2	Large

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	79.014
1/2	79.014

TopReel HD

OPEN MODEL WITH 2 ARMS | AUTOMATIC RETRACTABLE

FLUID
AIR ONLY

- Heavy-duty steel construction with with durable, corrosion-resistant finish
- Full flow swivel mechanism
- Heavy ribbed steel plate to ensure strong support
- Wide profile base with grooved reinforcement supported on each side
- Adjustable guide arm for handling up to 2 positions / 4-direction non-snag rollers
- Multi-position ratchet lock and easy tension adjustment
- Fully enclosed and lubricated spring

Connecting hose not included / refer to table below to order



Adjustable guide arm up to 2 positions

AIR HOSES

THERMOFLEX: 300 PSI / -26 to 65 °C / Silicone and phthalate free
- High quality lightweight and flexible technopolymer
- Cover with medium / High resistance to oil (RMA-Class B)
- Excellent abrasion resistance / Ideal in contact with paints and solvents

FLEX*hybrid*: 300 PSI / -10 to 60 °C
- Lightweight technopolymer with excellent flexibility
- Good resistance to oils, heat, ozone and abrasion
- General use in garages, mechanical workshops, factories

EASYFLEX PREMIUM : 300 PSI / -54 to 65 °C / RoHS compliant / Silicone and phthalate free
- Technopolymer engineered to be tough and ultra-flexible even at -54 °C
- Oils and abrasion resistant and kink resistant under pressure
- Non-marking outer cover
- Wraps easily after use

ECOFLEX: 300 PSI /-40 to 65 °C / RoHS compliant / Silicone and phthalate free
- High quality technopolymer with very good performance in cold weather (-40 °C)
- Excellent abrasion resistance
- Construction and general industrial applications

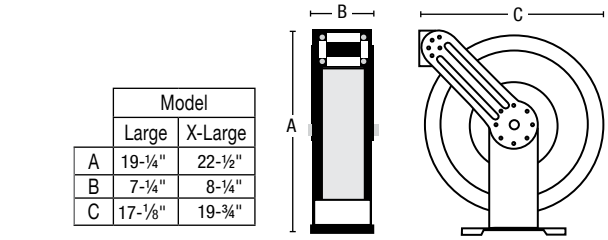
AIRFLEX PREMIUM: 300 PSI / -40 to 99 °C
- Long lasting quality EPDM rubber with excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

SUPERFLEX: 300 PSI /-29 to 99 °C
- High quality nitrile rubber / Dielectric (non-conductive at 1000 volts D.C.)
- Maximum resistance to oils (RMA-Class A), gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products

TOPFLEX: 250 PSI /-29 to 99 °C / Dielectric (non-conductive at 1000 volts D.C.)
- Rubber with lock-on fitting resistant to sparks and hot chips
- Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils (RMA-Class B)

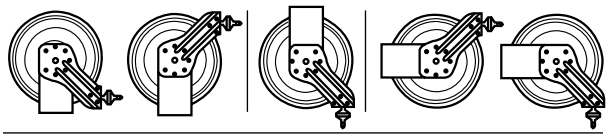
TOPFLEX MSHA: 250 PSI /-40 to 99 °C / Dielectric (non-conductive at 1000 volts D.C.)
- Synthetic rubber with lock-on fitting
- Flame resistant cover to protect against flames, sparks and hot chips
- Hose approved MSHA (Mine Safety & Health Administration)

DIMENSIONS



	Model	
	Large	X-Large
A	19-¼"	22-½"
B	7-¼"	8-¼"
C	17-⅛"	19-¾"

INSTALLATION OPTIONS



Hose Reel with Hose

Product No								Hose I.D. in	Hose Length ft	Outlet (M) NPT	Model
THERMOFLEX	FLEX*hybrid*	EASYFLEX	ECOFLEX	AIRFLEX	SUPERFLEX	TOPFLEX	TOPFLEX MSHA				
Technopolymer				Rubber							
79.513	---	79.592	---	79.503	79.523	79.533		3/8	33	1/4	Large
79.514	79.484	79.593	---	79.504	79.524	79.534	79.584	3/8	50	1/4	Large
79.515	79.565	79.594	79.575	79.505	79.525	79.535		3/8	65	1/4	X-Large
79.518	---	79.597	---	79.508	79.528	79.538		1/2	33	3/8	X-Large
79.519	79.489	79.598	---	79.509	79.529	79.539		1/2	50	3/8	X-Large
79.520	79.570	79.599	---	79.510	79.530	79.532		1/2	65	3/8	X-Large

Bend restrictor at the outlet of hose / Except for Topflex and Topflex MSHA

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014
1/2	79.014

Hose Reel without Hose

Product No	Hose Capacity with I.D. 3/8	Hose Capacity with I.D. 1/2	Inlet (F) NPT	Outlet (F) NPT	Model
79.500	50 ft	---	1/2	3/8	Large
79.501	---	65 ft	1/2	1/2	X-Large

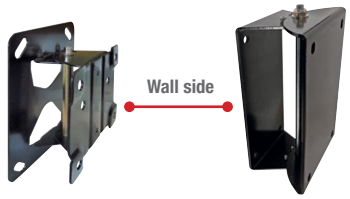
Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	79.014
1/2	79.014

SWIVEL WALL BRACKET

Steel construction.

Allows a fixed position or a choice of rotation angles of 55° to 120°.



79.481 Large model

79.482 X-Large model

TopReel HD WITH HOSEGUARD®
ANTI HOSE WHIP SAFETY VALVE

FLUID
AIR ONLY



TopReel HD Hose Reel with HOSEGUARD® Safety Valve offers simple and efficient protection to users.

Should the air consumption exceed the set value of the HOSEGUARD® Safety Valve, the air supply of the hose reel is immediately shut off by the internal piston of the safety valve.

Once the breakage is repaired, a built-in bleed hole leaks a certain amount of air, which automatically resets the HOSEGUARD® Safety Valve.



OPEN MODEL WITH 2 ARMS | AUTOMATIC RETRACTABLE

- Heavy-duty steel construction
- Full flow swivel mechanism
- Hose reel with a safety device which protects against dangerous hose whip caused by air hose or rigid tube rupture
- Adjustable guide arm for handling up to 2 positions
- 4-direction non-snag rollers
- Multi-position ratchet lock and easy tension adjustment
- Fully enclosed and lubricated spring

Connecting hose not included / refer to table below to order

AIR HOSE

AIRFLEX PREMIUM: 250 PSI / -40 to 99 °C

- Long lasting quality EPDM rubber
- Excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

Hose Reels with Hose and HOSEGUARD Valve

Product No AIRFLEX Rubber	Hose I.D. in	Hose Lenght ft	Maximum Tool Flow SCFM	Outlet (M) NPT	Model
79.503.01	3/8	33	17	1/4	Large
79.504.01	3/8	50	14	1/4	Large
79.508.01	1/2	33	36	3/8	X-Large
79.509.01	1/2	50	30	3/8	X-Large

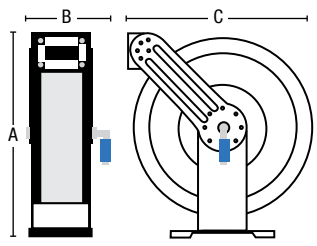
Bend restrictor at the outlet of hose

Connecting Hose

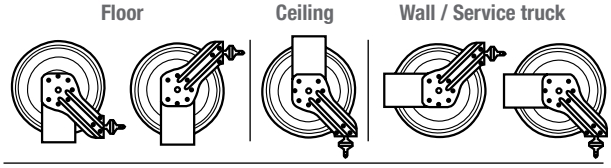
Inlet/Outlet (M) NPT	Product No
3/8	**79.013**
3/8	**79.013**
1/2	**79.014**
1/2	**79.014**

DIMENSIONS

	Model	
	Large	X-Large
A	490	570
B	185	210
C	435	500



INSTALLATION OPTIONS



HOSEGUARD®
Anti Hose Whip Safety Valve

- Reliable, tamperproof and maintenance-free safety valve
- Complies with OSHA Regulation Standard 29CFR 1926.302 (Partial)
- Complies with 2009 ISO Standard 4414 (5.4.5.11.1)

See Series 58 for further details.

CAUTION

It is important to choose the hose reel according to the maximal flow rates of air tools as indicated in the table beside (hose reels with HOSEGUARD). See the reference guide of the typical flow rate of pneumatic air tools in the previous Series (70 to 78).

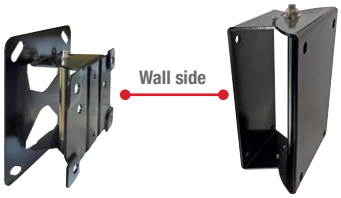
Air pressure lower than 90 PSI may prevent the HOSEGUARD from being triggered when hose is ruptured. The minimal working pressure is 90 PSI. The inside diameter of the mounted air hose or pipe must be equal or superior to the inside diameter of the flexible hose.

The hose reel with hose and HOSEGUARD must be tested after being installed to ensure that it operates safely in the event of hose rupture. This test must be done with the hose completely recoiled to prevent hose whip.

SWIVEL WALL BRACKET

Steel construction.

Allows a fixed position or a choice of rotation angles of 55° to 120°.



79.481 Large model

79.482 X-Large model

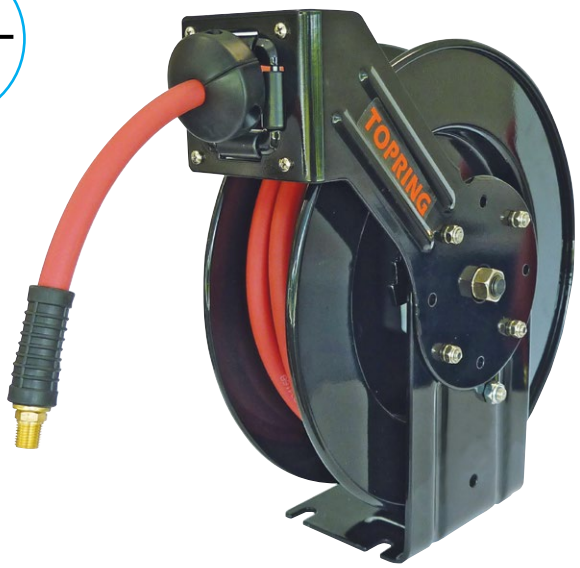
TopReel

OPEN MODEL WITH 1 ARM | AUTOMATIC RETRACTABLE

- Heavy-duty steel construction
- Full flow swivel mechanism
- Corrosion-resistant epoxy powder coat finish
- Wide L-shaped base with grooved reinforcement
- Adjustable guide arm for handling up to 9 positions
- 4-direction non-snag rollers to reduce hose wear
- Multi-position ratchet lock and easy tension adjustment
- Fully enclosed and lubricated spring

Connecting hose not included / refer to table below to order

FLUID
AIR ONLY



AIR HOSES

THERMOFLEX: 300 PSI / -26 to 65 °C / Silicone and phthalate free
- High quality lightweight and flexible technopolymer
- Cover with medium / High resistance to oil (RMA-Class B)
- Excellent abrasion resistance
- Ideal for applications in contact with paints and solvents

FLEX*hybrid*: 300 PSI / -10 to 60 °C
- Lightweight technopolymer with excellent flexibility
- Good resistance to oils, heat, ozone and abrasion
- General use in garages, mechanical workshops, factories

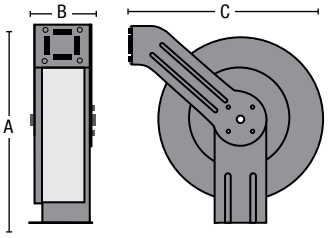
AIRFLEX PREMIUM: 300 PSI / -40 to 99 °C
- Long lasting quality EPDM rubber
- Excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

SUPERFLEX: 300 PSI /-29 to 99 °C
- High quality nitrile rubber/ Dielectric (non-conductive at 1000 volts D.C.)
- Maximum resistance to oils (RMA-Class A), gasoline, kerosene, fuel oils, lubricating oils and other petroleum based products
- Ideal in environments where oils, gasoline and solvents are present

TOPFLEX: 250 PSI /-29 to 99 °C
- Rubber with lock-on fitting / Dielectric (non-conductive at 1000 volts D.C.)
- Resistant to sparks and hot chips
- Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils (RMA-Class B)
- Ideal for applications in factories, auto mechanics and body shops

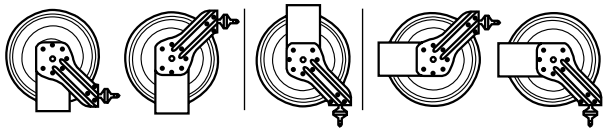
DIMENSIONS

	Model	
	Large	X-Large
A	15"	22"
B	6"	8-2/5"
C	15"	21"



INSTALLATION OPTIONS

Floor | Ceiling | Wall / Service truck



Hose Reel with Hose

Product No THERMOFLEX Technopolymer	Product No FLEX*hybrid* Technopolymer	Product No AIRFLEX Rubber	Product No SUPERFLEX Rubber	Product No TOPFLEX Rubbe	Hose I.D. in	Hose Lenght ft	Outlet (M) NPT	Model
---	---	**79.990**	---	**79.970**	1/4	25	1/4	Standard
---	**79.891**	**79.991**	---	**79.972**	1/4	33	1/4	Standard
---	**79.893**	**79.993**	**79.924**	**79.974**	3/8	25	1/4	Standard
---	**79.894**	**79.994**	**79.926**	**79.976**	3/8	33	1/4	Standard
---	**79.895**	**79.995**	**79.928**	**79.978**	3/8	50	1/4	X-Large
79.937	**79.896**	**79.996**	**79.929**	**79.980**	3/8	65	1/4	X-Large
---	---	**79.997**	**79.933**	**79.982**	1/2	33	3/8	X-Large
---	**79.898**	**79.998**	**79.934**	**79.984**	1/2	50	3/8	X-Large
79.939	**79.899**	**79.999**	**79.936**	**79.986**	1/2	65	3/8	X-Large

Bend restrictor at the outlet of hose / Except for Topflex

Connecting Hose

Inlet/Outlet (M) NPT	Product No
3/8	**79.012**
3/8	**79.012**
3/8	**79.012**
3/8	**79.012**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**
1/2	**79.014**

Hose Reel without Hose

Product No	Hose Capacity with I.D. 3/8	Hose Capacity with I.D. 1/2	Inlet/Outlet (F) NPT	Model
79.930	33 ft	---	3/8	Standard
79.932	---	65 ft	1/2	X-Large

Connecting Hose

Inlet/Outlet (M) NPT	Product No
3/8	**79.013**
1/2	**79.014**

WALL OR FLOOR SWIVEL BRACKETS

Heavy-duty steel construction.
Allows a fixed position or with angle of rotation.

140° wall bracket



79.940 Standard Model
79.941 X-Large Model

340° floor bracket



79.942
X-Large Model

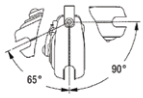
Retracto

FLUID
AIR & WATER

CLOSED MODEL | AUTOMATIC RETRACTABLE

- Compact design with wall bracket incuded
- High-impact polymer case
- Hose locking system to desired length
- Heavy-duty spring rewind mechanism for long, problem-free life
- Ideal for indoor use and for industrial and automotive applications
- Flexible, long-lasting reinforced polyurethane

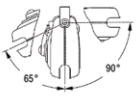
Connecting hose included
Bend restrictor at the outlet on all air hoses
Temperature: -5 to 40 °C





Product No	Hose I.D. in	Hose Length ft	Inlet (F) NPT Outlet (M) NPT
79.405	1/4	20	1/4

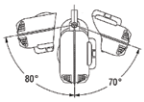
Blue polyurethane: 145 PSI / FLUID: AIR ONLY





Product No	Hose I.D. in	Hose Length ft	Inlet (F) NPT Outlet (M) NPT
79.408	8 mm (5/16)	30	1/4

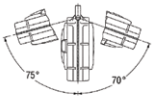
Blue polyurethane: 145 PSI





Product No *	Hose I.D. in	Hose Length ft	Inlet (F) NPT Outlet (M) NPT
79.410	8 mm (5/16)	40	1/4
79.420	3/8	25	3/8

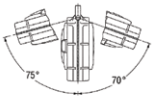
Polyurethane and PVC: 218 PSI





Product No *	Hose I.D. in	Hose Length ft	Inlet (F) NPT Outlet (M) NPT
79.415	8 mm (5/16)	50	1/4
79.425	3/8	50	3/8

Polyurethane and PVC: 218 PSI





Product No	Hose I.D. in	Hose Length ft	Inlet (F) NPT Outlet (M) NPT
79.435	3/8	65	3/8
79.440	1/2	50	1/2

Polyurethane and PVC: 218 PSI

* Hose reel available with Slow Motion mechanism: add suffix .01 to product code

Slow Motion SAFETY MECHANISM



SAFETY SECURITE

Allows the hose to be retracted slowly and evenly to prevent dangerous hose whips. This ensures better safety and productivity in the workplace. Watch the video on Topring.com /Resources/Our YouTube Channel.

YouTube Topring | Demonstration hose reel with the safe mechanism Slow Motion



79.401
for models
79.410, 79.420



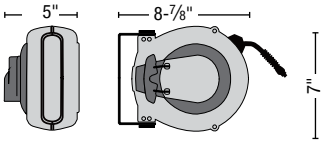
79.402
for models
79.415, 79.425



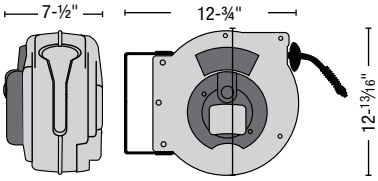
79.403
for model
79.408

DIMENSIONS

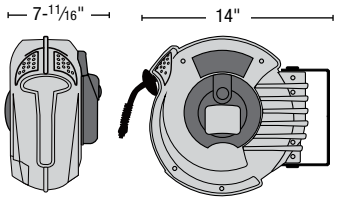
79.405



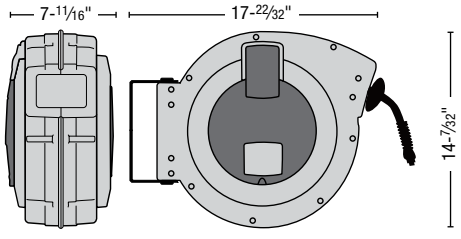
79.408



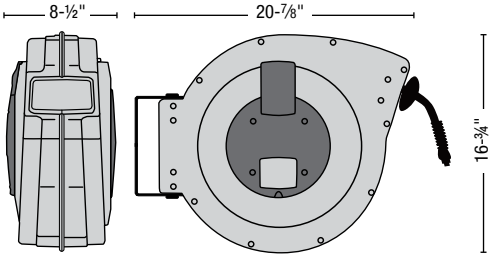
79.410
79.420



79.415
79.425



79.435
79.440



MAXREEL

OPEN MODEL WITH 1 ARM | AUTOMATIC RETRACTABLE

- Corrosion-resistant epoxy powder coat finish
- Wide L-shaped base
- Adjustable guide arm for wall, ceiling or floor mounting
- 4-direction non-snag rollers to reduce hose wear
- Multi-position ratchet lock and easy tension adjustment
- Fully enclosed spring

Connecting hose not included / refer to table below to order

FLUID
AIR & WATER



AIR HOSES

FLEX*hybrid*: 300 PSI / -10 to 60 °C
- Technopolymer
- Lightweight with excellent flexibility
- Good resistance to oils, heat, ozone and abrasion
- General use in garages, mechanical workshops, factories

THERMOFLEX: **300 PSI / -26 to 65 °C /** Silicone and phthalate free
- High quality lightweight and flexible technopolymer
- Cover with medium / High resistance to oil (RMA-Class B)
- Excellent abrasion resistance
- Ideal for applications in contact with paints and solvents

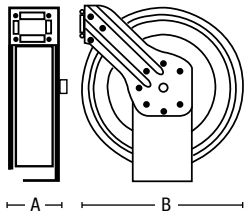
ECOFLEX: 300 PSI /-40 to 65 °C
- High quality technopolymer
- Very good performance in cold weather (-40 °C)
- Excellent abrasion resistance
- RoHS compliant / Silicone and phthalate free
- Construction and general industrial applications

TOPFLEX: 250 PSI /-29 to 99 °C / Dielectric (non-conductive at 1000 volts D.C.)
- Rubber with lock-on fitting
- Resistant to sparks and hot chips
- Tube extremely resistant to oils and heat (RMA-Class A)
- Cover with medium resistance to oils (RMA-Class B)
- Ideal for applications in factories, auto mechanics and body shops

AIRFLEX PREMIUM: 300 PSI / -40 to 99 °C
- Long lasting quality EPDM rubber
- Excellent abrasion resistance
- Tube resistant to oil mist contained in compressed air
- Excellent for general industrial usage, construction and agricultural

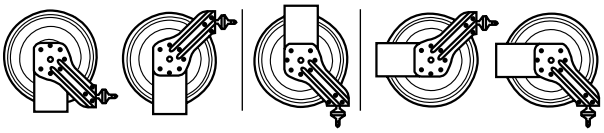
DIMENSIONS

Model	A	B	C
Standard	6-3/10"	14-1/2"	22"
Large	7-9/10"	17"	18-7/10"
X-Large	8"	20"	21"



INSTALLATION OPTIONS

Floor | Ceiling | Wall / Service truck



Hose Reel with Hose

Product No FLEX*hybrid* Technopolymer	Product No THERMOFLEX Technopolymer	Product No ECOFLEX Technopolymer	Product No TOPFLEX Rubber	Product No AIRFLEX Rubber	Hose I.D. in	Hose Length ft	Outlet (M) NPT	Model
---	79.392	79.332	79.322	---	3/8	25	1/4	Standard
79.340	79.393	79.333	79.323	---	3/8	33	1/4	Standard
79.334	79.394	79.335	79.324	79.306	3/8	50	1/4	Large
79.336	79.396	---	79.326	---	1/2	50	3/8	X-Large

Bend restrictor at the outlet of hose / Except for Topflex and Flexhybrid 1/2
Hose reel 79.336 : Black powder coat finish

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/4	79.011
1/4	79.011
3/8	79.013
1/2	79.014

Hose Reel without Hose

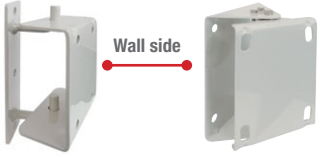
Product No	Hose Capacity with I.D. 1/4	3/8	1/2	Inlet/Outlet (F) NPT	Model
79.331	---	33 ft	---	1/4	Standard
79.320	33 ft	50 ft	---	3/8	Large
79.321	---	---	50 ft	1/2	X-Large

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/4	79.011
3/8	79.013
1/2	79.014

SWIVEL WALL BRACKET

Heavy duty steel construction. Allows a fixed position or a rotation angle of 120°.



79.387
Standard Model

79.388
Large and
X-Large Model



Model ready to use with water /see page 27

FLEXReel

OPEN MODEL WITH 1 ARM | AUTOMATIC RETRACTABLE

- Steel frame construction with high quality, impact-resistant polymer drum for durable use
- Frame with corrosion-resistant epoxy powder coat finish
- Light and compact design

3 ft connecting hose included

FLUID
AIR ONLY



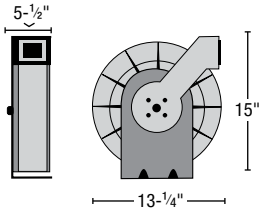
AIR HOSE

FLEXhybrid : 300 PSI / -10 to 60 °C

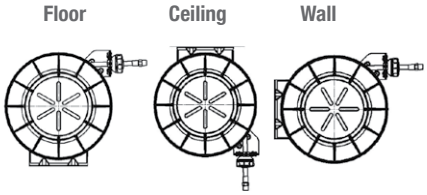
- Technopolymer
- Lightweight with excellent flexibility
- Good resistance to oils, heat, ozone and abrasion
- General use in garages, mechanical workshops, factories

Hose Reel with Hose			
Product No FLEXhybrid Technopolymer	Hose I.D. in	Hose Length ft	Inlet/Outlet (M) NPT
79.805	3/8	50	1/4

DIMENSIONS



INSTALLATION OPTIONS



CONNECTING HOSES FOR HOSE REELS

- Allows simple and easy connection of air hose reels to compressed air networks
- 5 ft long rubber hose assemblies, ideal for most reel connections



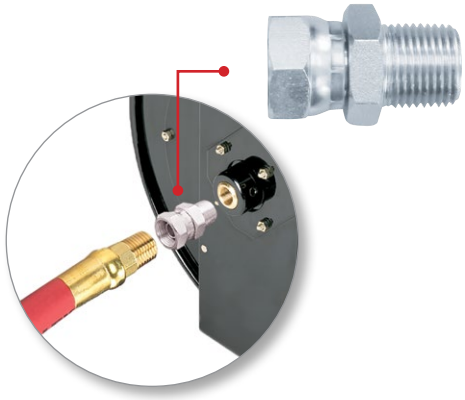
AIR HOSE

- 300 PSI / -40 to 99 °C
- Red EPDM rubber
- Spiral polyester cord reinforcement

Product No	Hose I.D. in	Thread (M) NPT	Compatible swivel fitting
79.011	3/8	1/4	**41.772**
79.012	3/8	3/8	**41.773**
79.013	1/2	3/8	**41.773**
79.014	1/2	1/2	**41.774**
79.016	3/4	3/4	**41.775**
79.015	1	1	**41.776**

SWIVEL FITTINGS

Allows quick and simple inlet hose connection



Product No	Thread (F-M) NPT
41.772	1/4
41.773	3/8
41.774	1/2
41.775	3/4
41.776	1

EzReel

OPEN MODEL - BOX STYLE | MANUAL RETRACTABLE

FLUID
AIR ONLY

- Heavy-duty steel construction
- Corrosion-resistant powder-coated finish
- Full flow solid brass 90° swivel
- Maintenance-free bushings allow reel to spin smoothly
- Sealed swivel and hose inlet connection
- Built-in base plate makes installation to walls or workbenches quick and easy

Connecting hose not included / refer to table below to order



AIR HOSES

ECOFLEX: 300 PSI /-40 to 65 °C
- High quality technopolymer
- Very good performance in cold weather (-40 °C)
- Excellent abrasion resistance
- RoHS compliant / Silicone and phthalate free
- Construction and general industrial applications

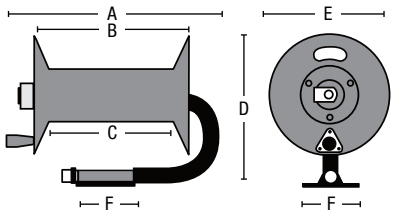
FLEX*hybrid*: 300 PSI / -10 to 60 °C
- Lightweight technopolymer with excellent flexibility
- Good resistance to oils, heat, ozone and abrasion
- General use in garages, mechanical workshops, factories

EASYFLEX PREMIUM : 300 PSI / -54 to 65 °C
- Technopolymer engineered to be tough and ultra-flexible even at -54 °C
- Oils and abrasion resistant and kink resistant under pressure
- Non-marking outer cover
- RoHS compliant / Silicone and phthalate free

THERMOFLEX: 300 PSI / -26 to 65 °C
- High quality lightweight and flexible technopolymer
- Cover with medium / High resistance to oil (RMA-Class B)
- Excellent abrasion resistance
- Silicone and phthalate free

DIMENSIONS

	Model	
	Standard	Large
A	13"	18"
B	8"	12"
C	4"	8"
D	13"	13"
E	11"	11"
F	4"	4"



Hose Reel with Hose

Product No							
ECOFLEX Technopolymer	FLEX*hybrid* Technopolymer	EASYFLEX Technopolymer	THERMOFLEX Technopolymer	Hose I.D. in	Hose Length ft	Outlet (M) NPT	Model
79.802	---	**79.801**	**79.822**	1/4	100	1/4	Standard
79.807	---	**79.810**	**79.824**	1/4	200	1/4	Large
79.804	---	---	---	3/8	50	1/4	Standard
79.808	---	---	---	3/8	100	1/4	Large
---	**79.814**	---	---	3/8	50	1/4	Standard
---	**79.816**	---	---	1/2	50	3/8	Large
---	**79.817**	---	---	1/2	60	3/8	Large

Bend restrictor at the outlet of hose

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/4	**79.011**
3/8	**79.013**
1/4	**79.011**
3/8	**79.013**
1/4	**79.011**
3/8	**79.013**
3/8	**79.013**

Hose Reel without Hose

Product No	Hose Capacity with I.D.			Inlet (F) NPT	Outlet (F) NPT	Model
	1/4	3/8	1/2			
79.820	100 ft	50 ft	30 ft	1/4	3/8	Standard
79.825	200 ft	100 ft	60 ft	3/8	3/8	Large

Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/4	**79.011**
3/8	**79.013**



PolyReel

OPEN MODEL - BOX STYLE | MANUAL RETRACTABLE

- Rugged steel construction for durability
- Lightweight and easy to carry
- Rewinding handle folds in to avoid snags and facilitate storage
- Transportation and rewinding handles covered with soft and comfortable foam
- 360° swivel base
- Wall mounting accessories included
- Ideal for interior or exterior construction applications

3.5 ft connecting hose included

FLUID
AIR ONLY



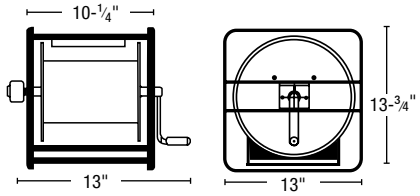
AIR HOSE

FLEXAIR: 200 PSI / -40 to 60 °C

- Polyurethane tough and ultra-flexible even at -40 °C
- Flexible and lightweight
- Excellent resistance to kinking, abrasion, lubricating oils, grease and solvents
- Excellent weather resistance
- Reusable full flow 360 ° swivel fittings
- RoHS compliant / Silicone free

Bend restrictor at the inlet and outlet of hoses

DIMENSIONS



Hose Reel with Hose			
Product No			
FLEXAIR Polyurethane	Hose I.D. in	Hose Length ft	Inlet/Outlet (M) NPT
79.040	1/4	100	1/4



Included wall mounting accessories



PolyReel

OPEN MODEL - BOX STYLE | MANUAL RETRACTABLE

- Rugged Steel construction for durability
- Lightweight and easy to carry
- Handle folds in to avoid snags
- 360° swivel base with ball bearing to extend service life of reel
- Ideal for interior or exterior construction applications

3 ft connecting hose included

FLUID
AIR ONLY



AIR HOSE

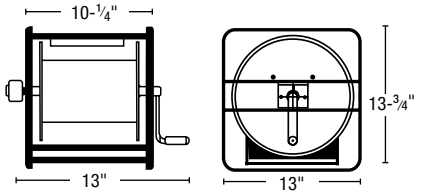
EASYflex *PREMIUM*: 300 PSI / -54 to 65 °C

- High-performance technopolymer at extreme temperatures
- Oils and abrasion resistant
- Kink resistant under pressure
- Non-marking outer cover
- Wraps easily after use
- RoHS compliant / Silicone and phthalate free

Bend restrictor at the air inlet and outlet

Hose Reel with Hose			
Product No EASYflex Technopolymer	Hose I.D. in	Hose Length ft	Inlet/ Outlet (M) NPT
79.060	1/4	100	1/4

DIMENSIONS



PolyReel

OPEN MODEL - BOX STYLE | MANUAL RETRACTABLE

- Rugged Steel construction for durability
- Lightweight and easy to carry
- Handle folds in to avoid snags
- 360° swivel base with ball bearing to extend service life of reel
- Ideal for interior or exterior construction applications

3 ft connecting hose included

FLUID
AIR ONLY



AIR HOSE WITH PLUG AND FITTING

ECOFLEX: 300 PSI / -40 to 65 °C

- Tough and ultra-flexible technopolymer even at -40 °C
- Full flow 360° swivel fittings 1/4 (M) NPT
- Abrasion and oil resistant
- Non-marking outer cover
- Kink resistant under pressure
- RoHS compliant / Silicone and phthalate free

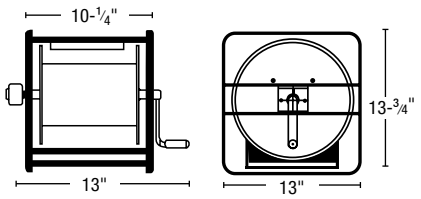
Bend restrictor at the air inlet and outlet



Included
1/4 INDUSTRIAL
quick coupler
and plug

Hose Reel with Hose, Fitting and Plug			
Product No ECOFLEX Technopolymer	Hose I.D. in	Hose Length ft	Inlet/ Outlet (M) NPT
79.050	1/4	100	1/4

DIMENSIONS



RolAir

CLOSED MODEL | AUTOMATIC RETRACTABLE

- Durable construction made from high-impact resistant polypropylene
- Double adjustment action to lock hose at desired length
- Sealed connection points at swivel and hose inlet to prevent leaks
- 180° swivel wall bracket
- Economical hose reel ideal for general workshop use

3 ft connecting hose included (79.365: 2 ft)

FLUID
AIR ONLY



AIR HOSES

Hybrid polymer: 180 PSI / 0 to 60 °C

- Lightweight and flexible
- Good resistance to oils, heat, ozone and abrasion

PVC: 300 PSI / 0 to 60 °C

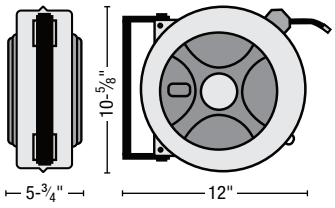
- Lightweight and flexible
- Good resistance to oils, heat, ozone and abrasion
- Larger bend radius eliminates risk of bending



Compact ROLAIR with Hose

Product No Hybrid Polymer	Hose I.D. in	Hose Length ft	Inlet/ Outlet (M) NPT	Model
79.365	1/4	27	1/4	Compact

DIMENSIONS

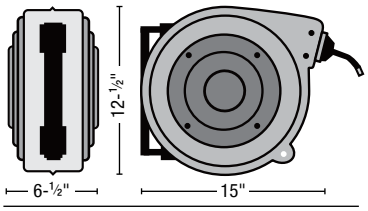




Standard ROLAIR with Hose

Product No PVC	Hose I.D. in	Hose Length ft	Inlet/ Outlet (M) NPT	Modèle
79.370	1/4	33	1/4	Standard
79.375	3/8	30	1/4	Standard

DIMENSIONS

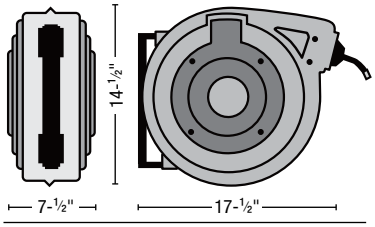




Large ROLAIR with Hose

Product No PVC	Hose I.D. in	Hose Length ft	Inlet/ Outlet (M) NPT	Model
79.380	3/8	50	1/4	Large

DIMENSIONS



Retracto

CLOSED MODEL | AUTOMATIC RETRACTABLE

- Lightweight and durable polymer casing
- Locking auto-rewind mechanism
- Non-snag hose rollers
- Swivel wall mounting bracket included
- Unit dismounts easily from base
- Built-in handle for transportation
- Quick disconnect water hose couplers included
- Convenient spray nozzle included

Connecting hose included

FLUID
WATER

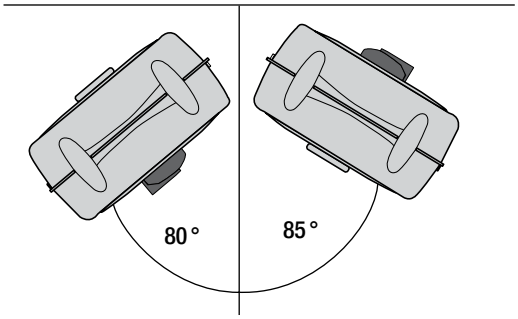


WATER HOSE

PVC: 87 PSI / 0 to 40 °C / Flexible, long-lasting hose

Hose Reel with PVC Hose

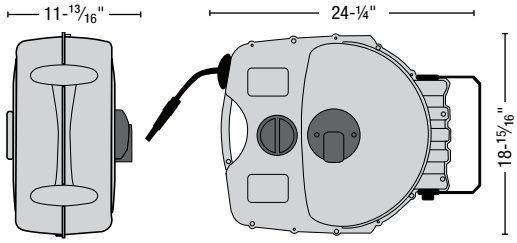
Product No	Hose I.D. in	Hose Length ft	Inlet (F) GHT Outlet (M) GHT
79.155	5/8	65	3/4



WARNING

The Retracto water hose reel **MUST NOT** be installed at the outlet of a high pressure washers or high pressure steam washers.

DIMENSIONS



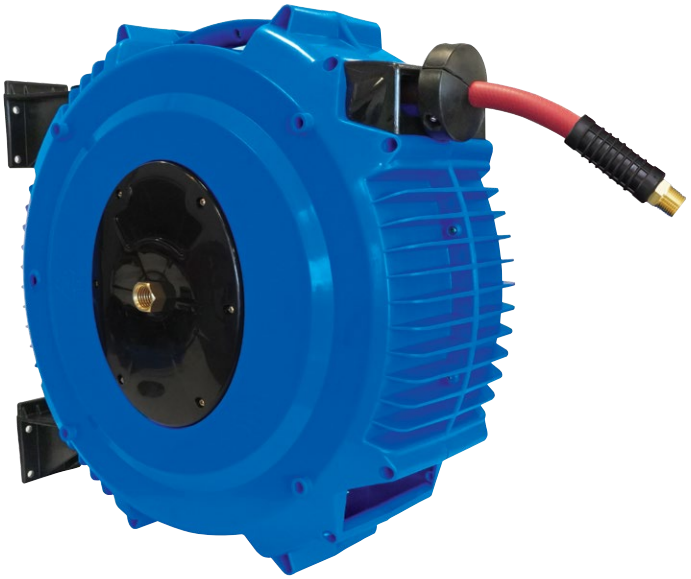
Hot Water Hose Reel

FLUID
WATER

CLOSED MODEL | AUTOMATIC RETRACTABLE

- Rugged, lightweight engineered polypropylene reels
- Highest quality «finished edge» spring steel strip
- Full flow swivels
- All position positive latching system
- Tough, impact, corrosion resistant and UV stabilized polypropylene, with anti static and flame-retardant properties
- Unique ratchet tensioning system
- Wall mounting system allows the reel to swivel from side to side
- Large side covers for easy access in servicing and maintenance routines
- Unique locking pin port for added safety when servicing the reel
- The vented case design allows for the reel to be hygienically cleaned as required and allows foradequate air circulation
- Specially designed for use in food processing facilities that require hot water washing
- Includes a tensioning wrench specially designed for this water hose reel





Connecting hose not included / refer to table below to order

WATER HOSE

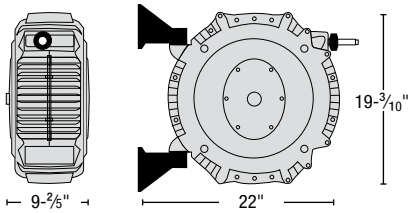
AIRFLEX PREMIUM: 300 PSI to 20 °C / 150 PSI to 80 °C

- Long lasting quality EPDM rubber
- Excellent abrasion resistance

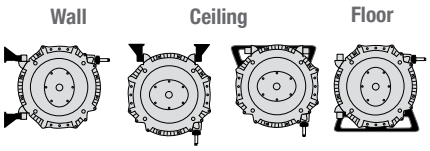
Hot Water Hose Reel with Hose			
Product No	Hose I.D. in	Hose Length ft	Inlet (F) NPT Outlet (M) NPT
79.149	1/2	50	1/2

Connecting Hose	
Inlet/Outlet (M) NPT	**Product No**
1/2	**79.014**

DIMENSIONS



INSTALLATION OPTIONS



COMPATIBLE WATER SPRAY GUN

For all industries requiring frequent washing or watering

- Obtain a wide conical spray to a concentrated and powerful straight jet just upon pressure on the lever
- 61.212 model offered with a stainless steel 303 mechanism for a maximum resistance to corrosion
- Made in robust polymiad
- Inlet Port: 1/2 BSPP
- Flow: 50 l/min at 174 PSI
- Maximum Working Pressure: 174 PSI
- Working Temperature: 61.210: 50 °C / 61.212: 80 °C

See Series 61 for complete details



61.210 61.212

FIXED BRACKET FOR FLOOR OR CEILING INTALLATION

Stainless steel mounting bracket that prevents the reel from swinging freely from side to side.



79.142

WARNING

The hot water hose reel **MUST NOT** be installed at the outlet of a high pressure washers or high pressure steam washers.

Water Hose Reel

FLUID
WATER

Phthalate FREE

CLOSED MODEL | AUTOMATIC RETRACTABLE

- Rugged, lightweight engineered polypropylene reels
- Full flow swivels
- All position positive latching system
- Tough, impact, corrosion resistant and UV stabilized polypropylene, with anti static and flame-retardant properties
- Unique ratchet tensioning system
- Wall mounting system allows the reel to swivel from side to side
- Unique locking pin port for added safety when servicing the reel
- The vented case design allows for the reel to be hygienically cleaned as required and allows foradequate air circulation
- Perfect for general workshop applications or cold water washdown
- Includes a tensioning wrench specially designed for this water hose reel



5 ft connecting hose and inlet fitting included



WATER HOSE

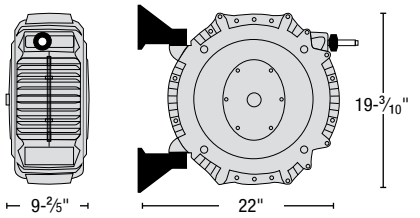
THERMOFLEX: 300 PSI to 20 °C / 150 PSI to 50 °C

- High quality lightweight and flexible technopolymer
- Excellent abrasion resistance
- Resistance to weather conditions and UV rays
- Silicone and phthalate free

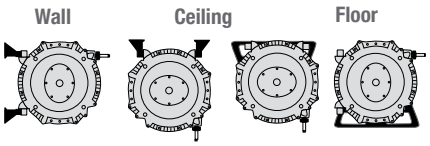
Water Hose Reel with Hose

Product No	Hose I.D. in	Hose Length ft	Inlet/Outlet GHT
79.141	1/2	50	3/4

DIMENSIONS



INSTALLATION OPTIONS



COMPATIBLE WATER SPRAY GUN

For all industries requiring frequent washing or watering

- Obtain a wide conical spray to a concentrated and powerful straight jet just upon pressure on the lever
- 61.212 model offered with a stainless steel 303 mechanism for a maximum resistance to corrosion
- Made in robust polymiad
- Inlet Port: 1/2 BSPP
- Flow: 50 l/min at 174 PSI
- Maximum Working Pressure: 174 PSI
- Working Temperature: 61.210: 50 °C / 61.212: 80 °C

See Series 61 for complete details



61.210 61.212

FIXED BRACKET FOR FLOOR OR CEILING INTALLATION

Stainless steel mounting bracket that prevents the reel from swinging freely from side to side.



79.142

WARNING

The water hose reel **MUST NOT** be installed at the outlet of a high pressure washers or high pressure steam washers.

Drinking Water Hose Reel

FLUID
WATER

Food Grade NSF Certified under NSF-51 Standard

CFIA Certified under Canadian Food Inspection Agency Standard

RoHS DIRECTIVE

Phthalate FREE

CLOSED MODEL | AUTOMATIC RETRACTABLE

- Rugged, lightweight engineered polypropylene reels
- Full flow swivels
- All position positive latching system
- Tough, impact, corrosion resistant and UV stabilized polypropylene, with anti static and flame-retardant properties
- Unique ratchet tensioning system
- Wall mounting system allows the reel to swivel from side to side
- Unique locking pin port for added safety when servicing the reel
- The vented case design allows for the reel to be hygienically cleaned as required and allows foradequate air circulation
- The hose has an inner tube that does not alter the quality of the water
- Ideal for freshwater filling stations, marine applications and drinking water tranfer
- Includes a tensioning wrench specially designed for this water hose reel





Connecting hose not included / refer to table below to order

WATER HOSE

NYFLEX: 200 PSI to 20 °C / 100 PSI to 50 °C

- Lightweight and flexible with non-marking cover
- Certified under NSF-51 standard (food equipment materials)
- Certified under Canadian Food Inspection Agency standard (CFIA)
- RoHS compliant / Silicone and phthalate free
- Clear and smooth inner tube
- Reinforcement of spiral polyester yarn with additional longitudinal yarn to reduce elongation under pressure
- Chemical resistance

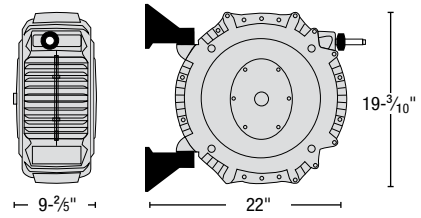
Drinkable Water Hose Reel with Hose

Product No	Hose I.D. in	Hose Length ft	Inlet (F) NPT Outlet (M) NPT
79.143	1/2	50	1/2

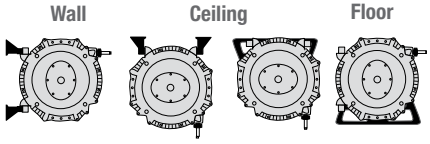
Connecting Hose

Inlet/Outlet (M) NPT	Product No
1/2	**79.014**

DIMENSIONS



INSTALLATION OPTIONS



COMPATIBLE WATER SPRAY GUN

For all industries requiring frequent washing or watering

- Obtain a wide conical spray to a concentrated and powerful straight jet just upon pressure on the lever
- 61.212 model offered with a stainless steel 303 mechanism for a maximum resistance to corrosion
- Made in robust polymiad
- Inlet Port: 1/2 BSPP
- Flow: 50 l/min at 174 PSI
- Maximum Working Pressure: 174 PSI
- Working Temperature: 61.210: 50 °C / 61.212: 80 °C

See Series 61 for complete details





61.210 61.212

FIXED BRACKET FOR FLOOR OR CEILING INTALLATION

Stainless steel mounting bracket that prevents the reel from swinging freely from side to side.



79.142

WARNING

The drinkable water hose reel **MUST NOT** be installed at the outlet of a high pressure washers or high pressure steam washers.

MAXREEL

Hose reel ready to use with water thanks to its water hose and connection hose with water-compatible fittings.

FLUID
WATER



OPEN MODEL WITH 1 ARM | AUTOMATIC RETRACTABLE

- Steel construction with corrosion-resistant epoxy powder coat finish
- Wide L-shaped base
- Adjustable guide arm
- 4-direction non-snag rollers to reduce hose wear
- Multi-position ratchet lock and easy tension adjustment
- Fully enclosed spring
- Garden hose fittings included

5 ft connecting hose included

WATER HOSE

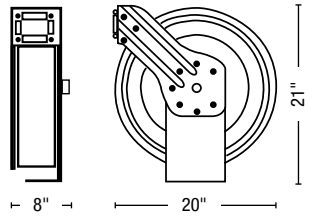
flex*hybrid*: 100 PSI / 0 to 65 °C

- Technopolymer air hose
- Lightweight with excellent flexibility
- Good resistance to oils, heat, ozone and abrasion
- General use in garages, mechanical workshops and factories

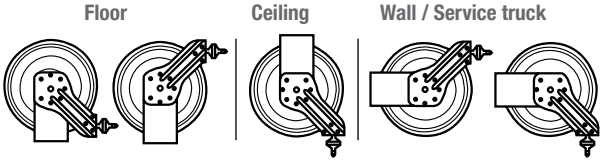
Hose Reel with FlexHybrid Hose

Product No	Hose I.D. in	Hose Length ft	Inlet (F) GHT Outlet (M) GHT
79.138	1/2	50	3/4

DIMENSIONS



INSTALLATION OPTIONS



SWIVEL WALL BRACKET

Heavy duty steel construction. Allows a fixed position or a rotation angle of 120°.



79.388

COMPATIBLE WATER SPRAY GUN

For all industries requiring frequent washing or watering





- Obtain a wide conical spray to a concentrated and powerful straight jet just upon pressure on the lever
- 61.212 model offered with a stainless steel 303 mechanism for a maximum resistance to corrosion
- Made in robust polymiad
- Inlet Port: 1/2 BSPP
- Flow: 50 l/min at 174 PSI
- Maximum Working Pressure: 174 PSI
- Working Temperature: 61.210: 50 °C / 61.212: 80 °C



61.210 61.212

See Series 61 for complete details

WARNING

The Maxreel water hose reel **MUST NOT** be installed at the outlet of a high pressure washers or high pressure steam washers.

MAXREEL

Hose reel ready to use with water thanks to its water hose and connection hose with water-compatible fittings.

FLUID
WATER



OPEN MODEL WITH 1 ARM | AUTOMATIC RETRACTABLE

- Steel construction with corrosion-resistant epoxy powder coat finish
- Wide L-shaped base
- Adjustable guide arm
- 4-direction non-snag rollers to reduce hose wear
- Multi-position ratchet lock and easy tension adjustment
- Fully enclosed spring
- Garden hose fittings included

5 ft connecting hose included

WATER HOSES

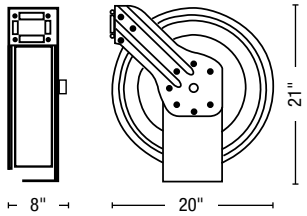
THERMOFLEX: 300 PSI to 20 °C / 120 PSI to 50 °C

- High quality technopolymer hose
- Lightweight and flexible for easy handling
- Easily recoils after use / No memory
- Silicone and phthalate free

Bend restrictor at the inlet and outlet of hose

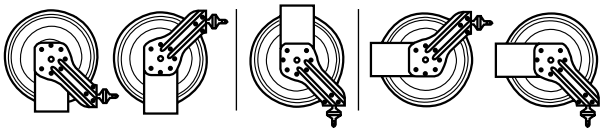
Hose Reel with Thermoflex Hose			
Product No	Hose I.D. in	Hose Length ft	Inlet (F) GHT Outlet (M) GHT
79.140	1/2	50	3/4

DIMENSIONS



INSTALLATION OPTIONS

Floor Ceiling Wall / Service truck



SWIVEL WALL BRACKET

Heavy duty steel construction. Allows a fixed position or a rotation angle of 120°.



79.388

COMPATIBLE WATER SPRAY GUN

For all industries requiring frequent washing or watering

- Obtain a wide conical spray to a concentrated and powerful straight jet just upon pressure on the lever
- 61.212 model offered with a stainless steel 303 mechanism for a maximum resistance to corrosion
- Made in robust polymiad
- Inlet Port: 1/2 BSPP
- Flow: 50 l/min at 174 PSI
- Maximum Working Pressure: 174 PSI
- Working Temperature: 61.210: 50 °C / 61.212: 80 °C







61.210 61.212

See Series 61 for complete details

WARNING

The Maxreel water hose reel **MUST NOT** be installed at the outlet of a high pressure washers or high pressure steam washers.

CONNECTING HOSE

5 ft long rubber hose assemblies, ideal for most reel connections.

- 300 PSI / -40 to 99 °C
- Red EPDM rubber
- Spiral polyester cord reinforcement



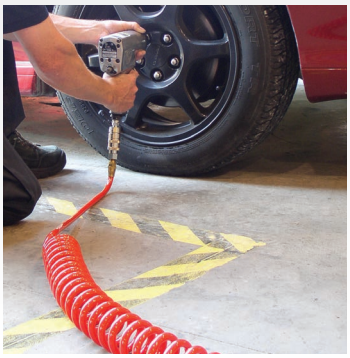
Product No	Hose I.D. in	Thread (M) NPT
79.011	3/8	1/4
79.012	3/8	3/8
79.013	1/2	3/8
79.014	1/2	1/2
79.016	3/4	3/4
79.015	1	1

Selection guide for connection hoses and bumpers according to each hose reel model is available on TOPRING.com



NOTES

Coil hoses






Group 3 • Series 11-14-17-19

TOPRING

Compressed air solutions

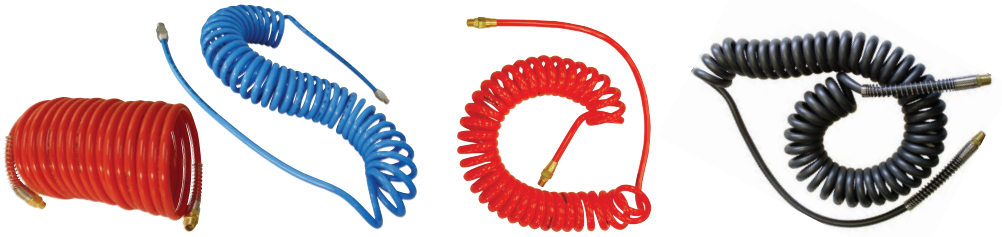
WHY USE A COIL HOSE ?

A coil hose offers several advantages:

- **Time and space saving:** The hose is compact; it stretches easily to the required and regains its original shape when it retracts.
- **Ergonomics:** It improves working conditions because the hose does not obstruct the passage when not in use. The end tails of the polyurethane models are straight, making the hose less stressful for the wrists and models with swivel fittings allow maximum directional flexibility.
- **Lightweight and flexible:** Lighter and more flexible than rubber hoses.

ELEMENTS TO CONSIDER

1) **The working environment:** First, ensure that the hose will withstand the environment in which it will be used. Some materials are more resistant to sparks, oil or moisture. The ether-based polyurethane will last longer in terms of weather and moisture resistance, while the ester-based polyurethane will provide better resistance to chemicals. The working temperature will also have an impact on the pressure control and needs to be taken into consideration a the selection stage.
2) **Ergonomics:** For applications requiring greater freedom of movement in a restricted work space, it is recommended to use flexible polyurethane hoses with straight ends.
3) **Flexibility:** A polyurethane hose is much more flexible than a nylon hose, hence more manageable for frequent users.
4) **Hose length:** Unnecessary hose lengths contribute to pressure drops and increases operating costs, thus selecting the proper hose length is for each application is recommended.



COIL HOSE SELECTION GUIDE

	Series 11 MAXPRO	Series 14 MAXAIR	Series 17 FLEXCOIL		Series 19 SPARKCOIL
COLOR	RED	BLUE	RED	BLUE	BLACK
MATERIAL	NYLON 12	POLYURETHANE (ESTER-BASED)	POLYURETHANE (ETHER-BASED)		POLYURETHANE AND TECHNOPOLYMER (ESTER-BASED)
MAXIMUM WORKING PRESSURE	200 PSI at 23 °C	143 PSI at 23 °C	140 PSI at 23 °C		143 PSI at 23 °C
WORKING TEMPERATURE	-40 to 80 °C	-20 to 70 °C	-40 to 70 °C		-40 to 70 °C
INTERIOR DIAMETER (in)	1/4 - 3/8	1/4 - 3/8	1/4 - 3/8		1/4
TOTAL LENGTH (ft)	12.5 - 25 - 50 - 100	15 - 25 - 50	15 - 20 - 25 - 30 - 50		25
WORKING LENGTH (ft)	10 - 20 - 40	12 - 20 - 40	12- 16 - 20 - 24 - 40		20
MAIN CHARACTERISTICS	SUPERIOR MEMORY ABRASION RESISTANCE	QUALITY/PRICE CHOICE	FLEXIBILITY VARIOUS DIMENSIONS		SPARKS AND HOT CHIPS RESISTANCE OIL RESISTANCE
ERGONOMICS	★	★★	★★★		★★★
FLEXIBILITY	★	★★	★★★		★★★
SERVICE LIFE	★★★★	★★★	★★★★		★★★★
WEIGHT kg (1/4 x 25)	0.27	0.45	0.44		1.08

MAXPRO
NYLON COIL HOSE

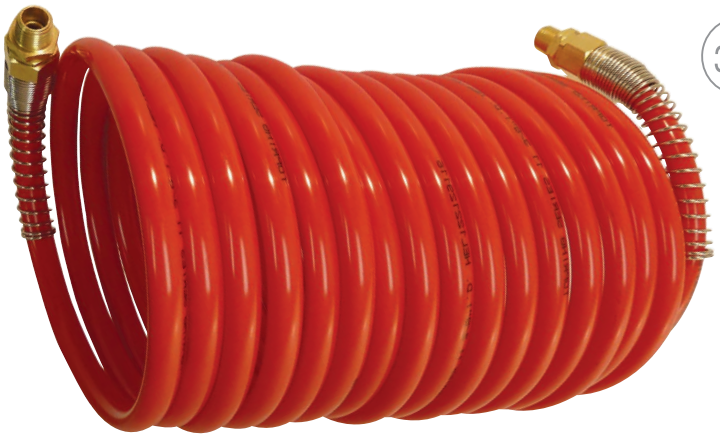
- Perfect for general shop use
- Lightweight, it easily stretches and retracts automatically for space efficiency
- Superior memory over a wide temperature range for long service life
- Excellent resistance to abrasion, impact, flex fatigue and ultraviolet aging, to many industrial chemicals, oils and solvents
- High resistance to moisture absorption
- Swivel fittings at both ends allow maximum directional flexibility
- Full flow heavy-duty brass fittings
- Spring guards at each fitting prevent the hose from kinking
- Silicone-free materials

Material
Nylon 12

Specifications
Maximum Working Pressure: 200 PSI at 23 °C
Maximum working pressure decreases as air temperature increases

Working Temperature Range: -40 to 80 °C

Recommended Working Length: 80% of total length for vertical usage and 50% for horizontal use



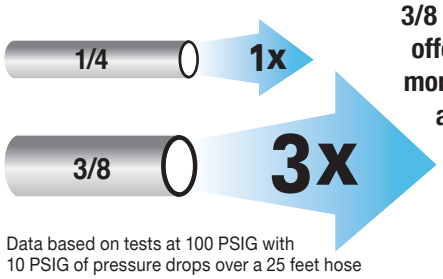
360° Swivel fittings at both ends

Coil hose assemblies with fittings

Product No	Hose I.D. in	Coil O.D. in	Total Length ft	Working Length ft	Fittings (M) NPT
11.421	1/4	3.6	12.5	10	1/4
11.441	1/4	3.6	25	20	1/4
11.481	1/4	3.6	50	40	1/4
11.040	1/4	3.6	100	80	Ø
11.621	3/8	6.1	12.5	10	3/8
11.626	3/8	6.1	12.5	10	1/4
11.641	3/8	6.1	25	20	3/8
11.646	3/8	6.1	25	20	1/4
11.681	3/8	6.1	50	40	3/8
11.686	3/8	6.1	50	40	1/4
11.060	3/8	6.1	100	80	Ø

TECH TIP
It is important to choose the proper interior hose diameter according to the airflow required for the application

See the reference table at the end of this Series.



3/8 I.D. air hose offers 3 times more flow than a 1/4. I.D.

Data based on tests at 100 PSIG with 10 PSIG of pressure drops over a 25 feet hose

Replacement swivel fittings



Product No	Hose I.D. in	Fittings (M) NPT
11.042	1/4	1/4
11.062	3/8	3/8
11.065	3/8	1/4

Replacement fittings

1. After cutting the hose end straight, insert the spring guard and the sleeve nut.



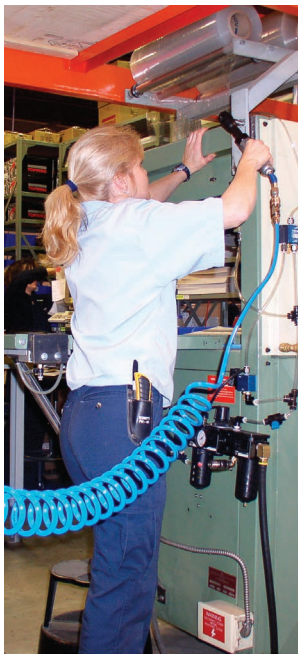
2. Press the barbed end of the fitting into the end of the hose until it seats against the thread base.



3. Slide the nut onto the fitting and tighten. Complete the installation by tightening the nut with the ropriate wrench until it reaches the fitting body.



MAXAIR
POLYURETHANE COIL HOSES



- Ideal foir air tools, assembly lines and work stations, automotive repair and body shops
- Ester-based polyurethane hose ideal for applications in presence of oils
- Easily stretches and retracts automatically
- Excellent recoil memory
- Highly abrasion resistant
- Excellent kink resistance
- 25% lighter than rubber coil hoses
- Superior elasticity and flexibility compared to nylon hose
- Reusable heavy-duty nickel plated brass fittings
- Dependable fittings, leak-tight seal and resistant to loosening caused by vibration
- Swivel fitting on the 4-inch end of the air supply side for maximum directional flexibility
- Non-swivel fitting on the 20-inch end of the tool side improves vibration resistance for safe connection
- Silicone-free materials

Material
Polyurethane (ester-based)

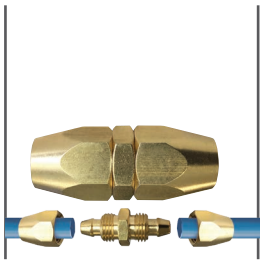
Specifications
Maximum Working Pressure:
1/4: 132 PSI at 23 °C
3/8: 143 PSI at 23 °C
Maximum working pressure decreases as air temperature increases

Working Temperature Range: -20 to 70 °C

Durometer: Shore A 98

Recommended Working Length:
80% of total length



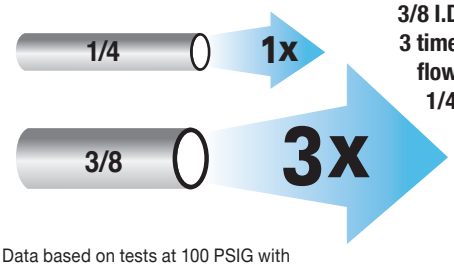


Coil hose assemblies with fittings

Product No	Hose I.D. in	Coil O.D. in	Total Length ft	Working Length ft	Fittings (M) NPT
14.610	1/4	2.8	15	12	1/4
14.620	1/4	2.8	25	20	1/4
14.650	1/4	2.8	50	40	1/4
14.724	3/8	3.1	25	20	1/4
14.754	3/8	3.1	50	40	1/4

TECH TIP
It is important to choose the proper interior hose diameter according to the airflow required for the application.

See the reference table at the end of this Series.



Data based on tests at 100 PSIG with
10 PSIG of pressure drops over a 25 feet hose

FLEXCOIL
POLYURETHANE COIL HOSES

- Ideal for air tools, assembly lines, machine shops, automotive repair and body shops
- Ether-based polyurethane properties offer longer lifespan
- Offers little resistance to pull and automatically retracts
- Superior memory over a wide temperature range
- Excellent kink resistance
- Highly abrasion and moisture absorption resistance
- Lightweight -25% lighter than rubber hoses
- Superior elasticity and flexibility compared to nylon hose
- Smaller coil diameter - more compact and space-saving design
- Heavy-duty brass fittings at both ends
- Fittings with leak-tight seals resistant to loosening caused by vibrations
- Full flow swivel fittings at both ends for maximum directional flexibility
- Straight 20 inches and 4 inches tails for tangle-free tool operations
- Silicone-free materials

Material
Polyurethane (ether-based)

Specifications
Maximum Working Pressure: 140 PSI at 23 °C
Maximum working pressure decreases as air temperature increases

Working Temperature Range: -40 to 70 °C

Durometer: Shore A 98

Maximum Working Length: 80% of total length





Swivel fittings at both ends

Coil hose assemblies with fittings

Product No RED	Product No BLUE	Hose I.D. in	Coil O.D. in	Total Length ft	Working Length ft	Fittings (M) NPT
17.610	17.610.07	1/4	2.1	15	12	1/4
17.615	---	1/4	2.1	20	16	1/4
17.620	17.620.07	1/4	2.1	25	20	1/4
17.625	---	1/4	2.1	30	24	1/4
17.650	17.650.07	1/4	2.1	50	40	1/4
17.710	---	3/8	3.1	15	12	3/8
17.714	---	3/8	3.1	15	12	1/4
17.720	---	3/8	3.1	25	20	3/8
17.724	---	3/8	3.1	25	20	1/4
17.750	---	3/8	3.1	50	40	3/8
17.754	---	3/8	3.1	50	40	1/4

Replacement swivel fittings

Product No	Hose I.D. in	Fittings (M) NPT
17.044	1/4	1/4
17.064	3/8	1/4
17.066	3/8	3/8



Replacement fittings

1. After cutting the hose end straight insert the sleeve nut.



2. Press the barbed end of the fitting into the end of the hose until it seats against the thread base.



3. Slide the nut onto the fitting and tighten. Complete the installation by tightening the nut with the appropriate wrench.



Fitting for 1/4 I.D. hose repair

Product No	Hose I.D. in	Hose O.D. in
41.835	1/4	3/8



Repair of hose

1. After cutting straight both sides of the hose, insert the sleeve nut on each side



2. Press the barbed ends of the fitting into the end of each hose until it seats against the thread base.



3. Slide each nut onto the fitting and tighten. Complete the installation by tightening the nuts with the appropriate wrench.



SPARKCOIL
POLYURETHANE SPARK RESISTANT COIL HOSE



- Excellent hose for welding shops, robotic welding, chemical plant, lubrication systems, painting systems and laboratories
- Polyurethane inner tube with a specially formulated flame retardant technopolymer cover designed to protect against sparks and hot metal chips
- Cover meets UL94-V0 requirements and offers strong insulating properties
- Highly resistant to oils, greases, most acids, bases, aqueous solutions, ozone, heat aging and ultraviolet light
- Excellent abrasion resistance
- Excellent kink resistance and recoil memory
- Offers little resistance to pull and automatically recoils
- 4 inches and 20 inches tails for tangle-free tool operations
- Swivel fitting at supply connection allows maximum directional flexibility
- Non-swivel fitting at tool end ensures a safer connection and better vibration resistance
- Silicone-free materials

Materials

Tube: Polyurethane
Cover: Flame retardant technopolymer

Specifications

Maximum Working Pressure: 143 PSI at 23 °C
Maximum working pressure decreases as air temperature increases

Working Temperature Range: -40 to 70 °C

Maximum Working Length: 80% of total length

Swivel fitting at the air supply extremity only



Coil hose assembly with fittings

Product No	Hose I.D. in	Coil O.D. in	Total Length ft	Working Length ft	Fittings (M) NPT
19.620	1/4	2.3	25	20	1/4

REFERENCE TABLE FOR COIL HOSES

INTERIOR DIAMETER REQUIRED BY PNEUMATIC TOOL TYPES

To choose the proper self-coil hose internal diameter, it is important to know the consumption of the tool used (flow SCFM).
Use of a smaller than recommended coil hose size will result in a serious reduction of tool performance.



TOOL TYPES	FLOW SCFM	COIL HOSE LENGTH (ft)					
		12.5'	15'	20'	25'	30'	50'
NAILERS & STAPLERS							
Nailer/stapler (18 Gauge)	2.5	1/4	1/4	1/4	1/4	1/4	1/4
Stapler (22-18 Gauge)	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Finishing nailer	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Roofing nailer	6.0	3/8	3/8	3/8	3/8	3/8	3/8
Framing nailer	11.0	3/8	3/8	3/8	3/8	3/8	3/8
Industrial nailer	25.0	3/8	3/8	3/8	3/8	--	--
IMPACT TOOLS							
Miniature 1/4" ratchet	12.5	5/16	5/16	5/16	3/8	3/8	3/8
1/4" impact gun	14.0	5/16	5/16	3/8	3/8	3/8	3/8
3/8" ratchet	19.2	3/8	3/8	3/8	3/8	--	--
POLISHING TOOL							
Orbital polisher	16.6	5/16	3/8	3/8	3/8	3/8	--
SANDERS							
Sander	9.6	5/16	5/16	5/16	5/16	5/16	3/8
4-1/2" angle grinder	18.4	3/8	3/8	3/8	3/8	--	--
10 mm belt sander	18.9	3/8	3/8	3/8	3/8	--	--
DRILL							
3/8" air drill	17.3	3/8	3/8	3/8	3/8	--	--
OTHER TOOLS							
Riveter	4.0	1/4	1/4	1/4	1/4	1/4	1/4
Grease gun	8.0	5/16	5/16	5/16	5/16	5/16	5/16
Caulking gun	0.1	1/4	1/4	1/4	1/4	1/4	1/4
HVLP paint gun	9.5	5/16	5/16	5/16	5/16	5/16	3/8
Screw driver	9.6	5/16	5/16	5/16	5/16	5/16	3/8
Gravity fed sand blaster	12.0	5/16	5/16	5/16	3/8	3/8	3/8

DATA BASED ON:

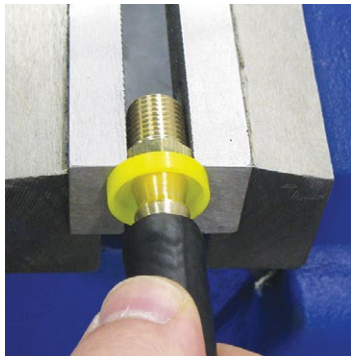
- Continuous consumption at 100 PSIG
- Average consumption (actual consumption may vary)
- New coil hoses and exempt of contaminants (water, rust, dust)
- A maximum of 5 PSIG pressure drops drops

Coil Hose I.D. in	SCFM available at 100 PSI					
	Coil hose length (ft)					
	12.5'	15'	20'	25'	30'	50'
1/4	≤ 9.4	≤ 8.5	≤ 7.3	≤ 6.5	≤ 5.9	≤ 4.5
5/16 (8 mm)	≤ 17.2	≤ 15.6	≤ 13.4	≤ 11.8	≤ 10.7	≤ 8.1
3/8	≤ 28.2	≤ 25.6	≤ 21.9	≤ 19.4	≤ 17.6	≤ 13.3

NOTES

Brass fittings



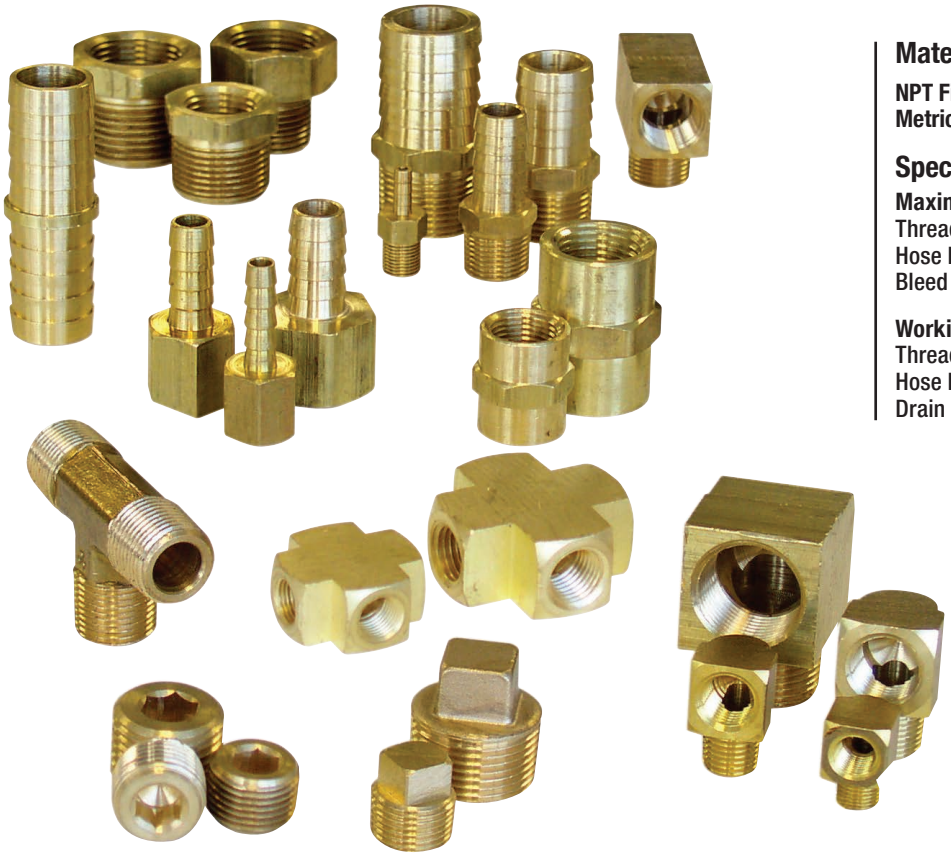
Group 3 • Series 41

TOPRING

Compressed air solutions

BRASS FITTINGS

- One-piece corrosion resistant construction
- Manufactured to ANSI - ASME B1.20.1 standards for "National Pipe Taper" NPT fittings
- Manufactured according to ISO 228-1 standards for BSPP fittings and ISO 7-1 for BSPT fittings
- Great resistance to vibrations



Materials

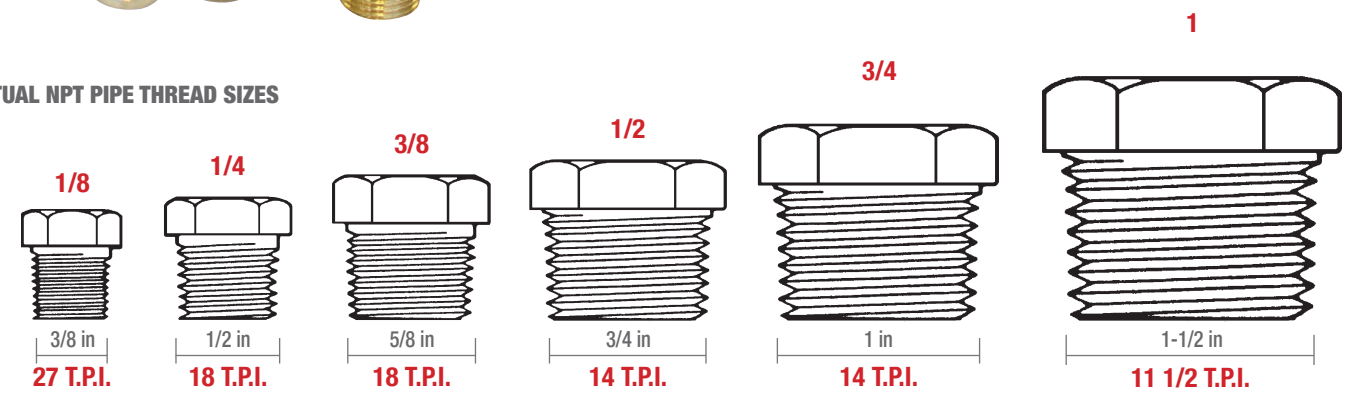
NPT Fittings: Brass
Metric Fittings : Nickel plated brass

Specifications

Maximum Working Pressure:
Threaded fittings: 1000 PSI
Hose barb fittings: 150 PSI
Bleed valves: 125 PSI

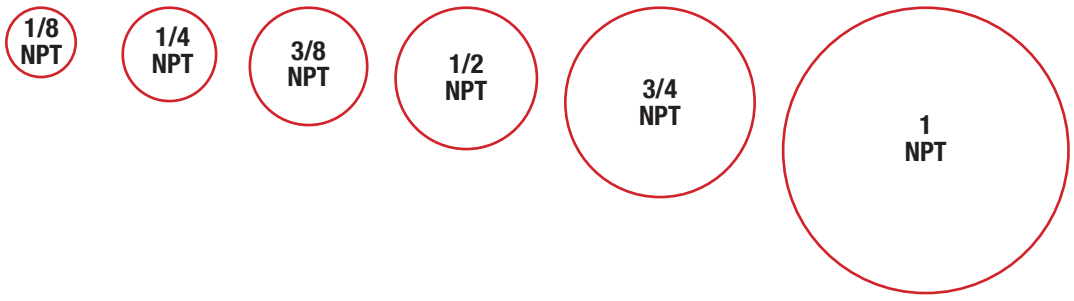
Working Temperature:
Threaded fittings: -54 to 121 °C
Hose barb fittings: -40 to 71 °C
Drain Cock: 2 to 71 °C

ACTUAL NPT PIPE THREAD SIZES



T.P.I.: THREADS PER INCH

ACTUAL OUTSIDE DIAMETERS OF PIPE THREADS



IN NPT

MALE HEXAGONAL NIPPLE



Product No	Thread (M) NPT
41.100	1/8
41.105	1/4
41.115	3/8
41.125	1/2
41.130	3/4
41.135	1
41.127*	1-1/4
41.128*	1-1/2
41.129*	2

* En acier

FEMALE HEXAGONAL COUPLING



Product No	Thread (F) NPT
41.190	1/8
41.195	1/4
41.200	3/8
41.205	1/2
41.208	3/4

CLOSE NIPPLE



Product No	Thread (M) NPT
41.500	1/8
41.501	1/4
41.502	3/8
41.503	1/2
41.504	3/4
41.496	1
41.497	1-1/4
41.498	1-1/2
41.499	2

REDUCING BUSHING



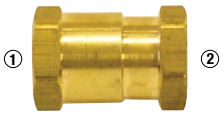
Product No	Thread ① (F) NPT	Thread ② (M) NPT
41.170	1/8	1/4
41.172	1/8	3/8
41.175	1/4	3/8
41.178	1/8	1/2
41.180	1/4	1/2
41.181	1/2	1
41.183	1/4	3/4
41.185	3/8	1/2
41.186	1/2	3/4
41.187	3/4	1
41.189	1-1/2	2

MALE HEXAGONAL NIPPLE REDUCER



Product No	Thread ① (M) NPT	Thread ② (M) NPT
41.110	1/4	1/8
41.120	3/8	1/4
41.123	3/8	1/8
41.124	1/2	1/4
41.126	1/2	3/8
41.133	3/4	1/2

FEMALE HEXAGONAL REDUCER/ADAPTER



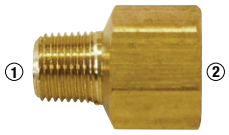
Product No	Thread ① (F) NPT	Thread ② (F) NPT
41.193	1/4	1/8
41.198	3/8	1/8
41.202	3/8	1/4
41.203	1/2	1/4
41.204	1/2	3/8

MALE REDUCER/ADAPTER NPS/NPT



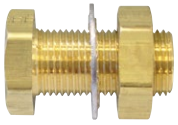
Product No	Thread ① (M) NPS	Thread ② (M) NPT
41.854	1/4	1/8
41.855	1/4	1/4
41.857	3/8	1/4

HEXAGONAL ADAPTER



Product No	Thread ① (M) NPT	Thread ② (F) NPT
41.137	1/8	1/8
41.140	1/8	1/4
41.143	1/8	3/8
41.145	1/4	1/4
41.150	1/4	3/8
41.153	1/4	1/2
41.155	3/8	3/8
41.160	3/8	1/2
41.165	1/2	1/2
41.168	1/2	3/4

ANCHOR COUPLING



Product No	Thread (F) NPT	Straigh Thread (M)
41.465	1/8	5/8 -18
41.466	1/4	3/4 -16
41.467	3/8	1 - 14
41.468	1/2	1-1/8 -14

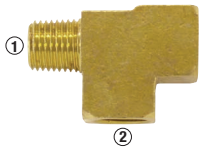
IN NPT

MALE BRANCH TEE



Product No	Thread ① (F) NPT	Thread ② (M) NPT
41.281	1/8	1/8
41.282	1/4	1/4
41.340	3/8	3/8

STREET TEE



Product No	Thread ① (M) NPT	Thread ② (F) NPT
41.283	1/8	1/8
41.284	1/4	1/4w
41.342	3/8	3/8
41.343	1/2	1/2

FEMALE TEE



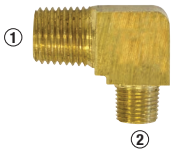
Product No	Thread (F) NPT
41.265	1/8
41.270	1/4
41.275	3/8
41.280	1/2
41.279	3/4

MALE TEE



Product No	Thread (M) NPT
41.350	1/8
41.355	1/4
41.360	3/8
41.365	1/2

90° MALE ELBOW



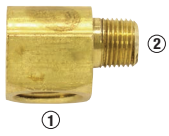
Product No	Thread ① (M) NPT	Thread ② (M) NPT
41.305	1/8	1/8
41.310	1/4	1/8
41.315	1/4	1/4
41.320	3/8	1/4
41.325	3/8	3/8
41.335	1/2	1/2

90° FEMALE UNION ELBOW



Product No	Thread (F) NPT
41.245	1/8
41.250	1/4
41.255	3/8
41.260	1/2
41.262	3/4
41.263	1

90° MALE/FEMALE STREET ELBOW



Product No	Thread ① (F) NPT	Thread ② (M) NPT
41.230	1/8	1/8
41.233	1/4	1/8
41.235	1/4	1/4
41.240	3/8	3/8
41.242	1/2	1/2
41.243	3/4	3/4

45° MALE/FEMALE STREET ELBOW



Product No	Thread ① (M) NPT	Thread ② (F) NPT
41.505	1/8	1/8
41.506	1/4	1/4
41.507	3/8	3/8
41.508	1/2	1/2

FEMALE CROSS



Product No	Thread (F) NPT
41.285	1/8
41.290	1/4
41.295	3/8
41.300	1/2

DRAIN COCK



Product No	Thread (M) NPT
41.792	1/8
41.794	1/4
41.796	3/8

FEMALE UNION

(3 PIECES)

150 PSI



Product No	Thread (F) NPT
41.368	1/2
41.369	3/4
41.370	1
41.371	1-1/4
41.372	1-1/2
41.373	2

IN NPT

PIPE PLUG (COUNTERSUNK HEAD)



Product No	Thread (M) NPT
41.210	1/8
41.215	1/4
41.220	3/8
41.225	1/2

PIPE PLUG (HEXAGONAL HEAD)



Product No	Thread (M) NPT
41.226	1/8
41.227	1/4
41.228	3/8
41.229	1/2

CAP



Product No	Thread (F) NPT
41.461	1/8
41.462	1/4
41.463	3/8
41.464	1/2

LONG NIPPLE



Product No	Thread (M) NPT	Length in
41.400	1/8	1.5
41.401	1/8	2
41.402	1/8	2.5
41.403	1/8	3
41.404	1/8	3.5
41.405	1/8	4
41.406	1/4	1.5
41.407	1/4	2
41.408	1/4	2.5
41.409	1/4	3
41.410	1/4	3.5
41.411	1/4	4
41.412	3/8	1.5
41.413	3/8	2
41.414	3/8	2.5
41.415	3/8	3
41.416	3/8	3.5
41.418	1/2	1.5
41.419	1/2	2
41.420	1/2	2.5
41.421	1/2	3
41.422	1/2	3.5
41.426	3/4	3

PIPE PLUG (SLOTTED HEAD)



Product No	Thread (M) NPT
41.450	1/8
41.455	1/4
41.460	3/8

PIPE PLUG (SQUARE HEAD)



Product No	Thread (M) NPT
41.670	1/8
41.675	1/4
41.680	3/8
41.685	1/2
41.690	3/4
41.695	1

STEEL FITTINGS

FITTING KIT



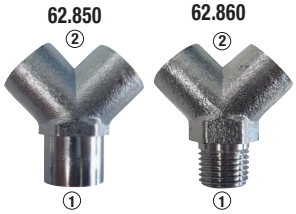
Product No	Thread (M) NPT
41.704	1/2
41.705	3/4
41.706	1
41.707	1-1/2
41.708	2
41.709	2-1/2

SWIVEL FITTING



Product No	Thread (F-M) NPT
41.772	1/4
41.773	3/8
41.774	1/2
41.775	3/4
41.776	1
41.777	1-1/2
41.778	2

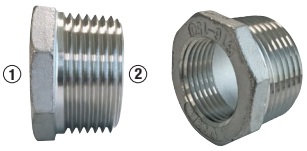
"Y" CONNECTOR



Product No	Thread ① NPT	Thread ② NPT
62.850	1/4 (F)	1/4 (F)
62.860	1/4 (M)	1/4 (F)

STAINLESS STEEL FITTINGS

REDUCING BUSHING



Product No	Thread ① (F) NPT	Thread ② (M) NPT
41.390	3/4	1
41.391	1	1-1/4
41.392	1-1/4	1-1/2
41.393	1-1/2	2
41.394	2	2-1/2
41.395	2-1/2	3

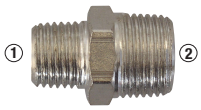
NICKEL PLATED BRASS FITTINGS | MM | BSPT - BSPP

MALE HEXAGONAL NIPPLE BSPT



Product No	Thread ① (M) BSPT	Thread ② (M) BSPT
41.021	1/8	1/8
41.022	1/4	1/4
41.023	3/8	3/8
41.024	1/2	1/2

MALE HEXAGONAL REDUCER BSPT



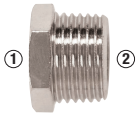
Product No	Thread ① (M) BSPT	Thread ② (M) BSPT
41.025	1/8	1/4
41.028	1/4	3/8
41.029	3/8	1/2
41.030	1/2	3/4
41.031	3/4	1

FEMALE HEXAGONAL REDUCER BSPT



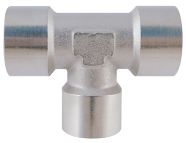
Product No	Thread ① (F) BSPT	Thread ② (F) BSPT
41.062	1/4	3/8

REDUCER/ADAPTER MALE/FEMALE BSPP/BSPT



Product No	Thread ① (F) BSPP	Thread ② (M) BSPT
41.038	1/8	1/4
41.040	1/4	3/8
41.041	3/8	1/2
41.042	1/4	1/2
41.043	1/2	3/4

FEMALE TEE BSPT



Product No	Thread (F) BSPP
41.086	1/8
41.087	1/4
41.088	3/8
41.089	1/2

90° FEMALE ELBOW BSPP



Product No	Thread (F) BSPP
41.074	1/8
41.075	1/4
41.076	3/8
41.077	1/2

FEMALE HEXAGONAL COUPLING BSPP



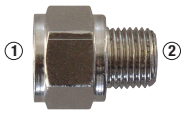
Product No	Thread (F) BSPP
41.056	1/8
41.057	1/4
41.058	3/8
41.059	1/2

90° MALE ELBOW BSPT



Product No	Thread (M) BSPT
41.080	1/8
41.081	1/4
41.082	3/8
41.083	1/2

HEXAGONAL REDUCER/ ADAPTER BSPP/BSPT



Product No	Thread ① (F) BSPP	Thread ② (M) BSPT
41.046	1/4	1/8
41.050	3/8	1/4
41.053	1/2	3/8

PIPE PLUG (HEXAGONAL HEAD)



Product No	Thread (M) BSPT	Thread (M) BSPP
41.065	1/8	--
41.066	1/4	--
41.067	3/8	--
41.068	--	1/2
41.069	--	3/4
41.070	--	1
41.071	--	1-1/4
41.072	--	1-1/2
41.073	--	2

ALUMINUM THREADED REDUCER/ADAPTER BSPT/BSPP



Product No	Thread (M) BSPT	Thread (F) BSPP
41.887	3/4	1/2
41.889	1	1/2
41.890	1	3/4
41.892	1-1/4	1/2
41.893	1-1/4	3/4
41.895	1-1/2	1/2
41.897	1-1/2	1
41.899	2	1/2
41.900	2	3/4

ALUMINUM ADAPTER

MALE/FEMALE NPT/BSPP

Product No	Thread ① (M) NPT	Thread ② (F) BSPP
41.920	1/2	1/2
41.921	3/4	3/4



BRASS HOSE BARB FITTINGS

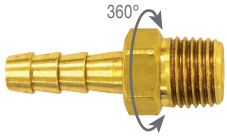
IN NPT

HOSE BARB TO MALE NPT



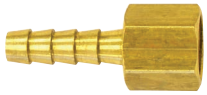
Product No	Hose I.D. in	Thread (M) NPT
41.546	1/8	1/8
41.547	3/16	1/8
41.548	1/4	1/8
41.550	1/4	1/4
41.554	1/4	3/8
41.560	5/16	1/4
41.561	5/16	3/8
41.562	5/16	1/2
41.565	3/8	1/8
41.570	3/8	1/4
41.580	3/8	3/8
41.584	3/8	1/2
41.586	1/2	1/4
41.590	1/2	3/8
41.600	1/2	1/2
41.603	1/2	3/4
41.556	5/8	3/8
41.557	5/8	1/2
41.558	5/8	3/4
41.604	3/4	1/2
41.605	3/4	3/4
41.606	1	3/4
41.607	1	1

SWIVEL HOSE BARB TO MALE NPT



Product No	Hose I.D. in	Thread (M) NPT
41.552	1/4	1/4
41.572	3/8	1/4
41.582	3/8	3/8
41.602	1/2	1/2

HOSE BARB TO FEMALE NPT



Product No	Hose I.D. in	Thread (F) NPT
41.609	1/4	1/8
41.610	1/4	1/4
41.620	5/16	1/4
41.630	3/8	1/4
41.640	3/8	3/8
41.650	1/2	3/8
41.660	1/2	1/2

HOSE BARB TO FEMALE NPT (WITH GASKET)



Product No	Hose I.D. in	Thread (F) NPT
41.720	1/4	1/4
41.730	5/16	1/4
41.740	3/8	1/4
41.750	3/8	3/8
41.760	1/2	1/2

HOSE BARB TO FEMALE BALL END (2 PIECES)



Product No	Hose I.D. in	Thread* (F) NPS
41.843	1/4	1/8
41.844	1/4	1/4
41.845	1/4	3/8
41.846	5/16	1/4
41.847	3/8	1/4
41.848	3/8	3/8

* National Pipe Straight

HOSE BARB SPLICER



Product No	Hose I.D. in
41.510	1/4
41.520	5/16
41.530	3/8
41.540	1/2
41.542	5/8
41.543	3/4

HOSE REPAIR KITS

Hose barb splicer with hose clamps



Product No	Hose I.D. in	Description
41.511C	1/4	1 x 41.510 Hose barb splicer 2 x 48.314 2-Ear hose clamps
41.531C	3/8	1 x 41.530 Hose barb splicer 2 x 48.320 2-Ear hose clamps

Hose barb to male NPT with hose clamps



Product No	Hose I.D. in	Description
41.514C	1/4	1 x 41.550 1/4 I.D. x 1/4 (M) Hose barb to male NPT 1 x 48.314 2-Ear hose clamps
41.534C	3/8	1 x 41.570 3/8 I.D. x 1/4 (M) Hose barb to male NPT 1 x 48.320 2-Ear hose clamps

ENSEMBLES ADAPTATEUR POUR PURGE D'EAU

SANS Phtalate

Solution simple et sécuritaire pour évacuer l'eau résiduelle avec l'air comprimé afin d'éviter le bris des conduites d'eau exposées au gel.

Idéal pour l'hivernage des véhicules récréatifs (VR), bateaux, piscines, spas, etc. Facilite l'entretien annuel et le rangement des équipements saisonniers tels les tuyaux de jardin, pompes à eau, etc.

- Conception robuste pour une durée de vie prolongée
- Fonctionnement rapide et utilisation très intuitive
- Alternative écologique : nul besoin de produit antigel
- Tuyaux sans phtalate
- Tuyaux en technopolymère léger et ultra-flexible
- About mâle1/4 INDUSTRIEL pour une connexion rapide au tuyau du compresseur
- Connecteur GHT pour tuyau de jardin ou robinet
- Robinet étanche dans les deux sens pour une connexion optimale



CONSEIL TECHNIQUE

Il est recommandé d'utiliser un compresseur muni d'un régulateur de pression préréglée à 45 PSI (série 62) ou d'utiliser un ensemble comprenant un régulateur de pression préréglé à 45 PSI afin de protéger les conduites d'eau et les composantes de la surpression.

ENSEMBLE AVEC TUYAU DE 5 PIEDS (1.5 M) X 3/8 D.I.

Comprend un tuyau ECOFLEX orange ou bleu de 1.5 mètre, un connecteur mâle en laiton, un robinet et un about 1/4 Industriel. Voir ensembles avec options au tableau.





AVEC TUYAU ECOFLEX ORANGE / 300 PSI

No de produit	Description
41.938	Ensemble avec connecteur mâle
41.938.01	Ensemble avec connecteur mâle et manomètre 0-60 PSI
41.939.01	Ensemble avec connecteur mâle, adaptateur mâle-femelle et manomètre 0-60 PSI

AVEC TUYAU ECOFLEX BLEU / 300 PSI

No de produit	Description
41.928.01	Ensemble avec connecteur mâle et manomètre 0-60 PSI
41.929.01	Ensemble avec connecteur mâle, adaptateur mâle-femelle et manomètre 0-60 PSI
41.944	Ensemble avec connecteur mâle et régulateur de pression SaveAir® préréglée à 45 PSI
41.945	Ensemble avec connecteur mâle adaptateur mâle-femelle et régulateur de pression SaveAir® préréglée à 45 PSI

ENSEMBLES COMPACTS AVEC TUYAU DE 12 POUCES (30 CM) X 3/8 D.I.

Comprend un tuyau Easyflex de 30 cm, un connecteur mâle ou femelle en laiton, un robinet, un about 1/4 Industriel. Voir ensembles avec options au tableau.



AVEC TUYAU EASYFLEX JAUNE / 300 PSI

No de produit	Description
41.940	Ensemble avec connecteur femelle
41.941	Ensemble avec connecteur mâle
41.942	Ensemble avec connecteur mâle et adaptateur mâle-femelle
41.936	Ensemble avec connecteur mâle et manomètre 0-60 PSI
41.937	Ensemble avec connecteur mâle, adaptateur mâle-femelle et manomètre 0-60 PSI
41.943	Ensemble avec connecteur mâle et régulateur de pression SaveAir® préréglée à 45 PSI

COMPOSANTES DISPONIBLES SELON LES CHOIX D'ENSEMBLE

Connecteur mâle	Connecteur femelle	Adaptateur mâle-femelle (raccord F-F)	Manomètre 0-60 PSI	Régulateur de pression
				



YouTube

Visionnez la vidéo « Comment vidanger l'eau de la plomberie d'un VR » sur topring.com/Ressources/ Notre chaîne YouTube

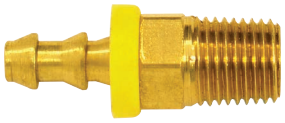
BRASS HOSE BARB FITTINGS FOR "LOCK-ON" AIR HOSE

IN | NPT

- "Lock-On" fittings simplify maintenance and repair operations on "Lock-On" type hoses
- Eliminate need for crimping or skiving
- For hose repairs, simply cut hose square and insert "Lock-On" fitting

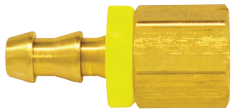


HOSE BARB TO MALE NPT



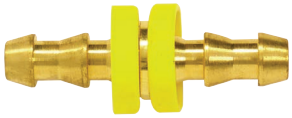
Product No	Hose I.D. in	Thread (M) NPT
41.860	1/4	1/8
41.861	1/4	1/4
41.877	1/4	3/8
41.862	3/8	1/4
41.863	3/8	3/8
41.864	3/8	1/2
41.865	1/2	1/4
41.866	1/2	3/8
41.867	1/2	1/2
41.868	5/8	1/2
41.870	3/4	1/2
41.869	3/4	3/4

HOSE BARB TO FEMALE NPT



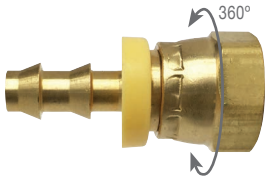
Product No	Hose I.D. in	Thread (F) NPT
41.871	1/4	1/4
41.872	3/8	1/4
41.873	3/8	3/8
41.874	1/2	3/8
41.875	1/2	1/2

HOSE BARB SPLICER



Product No	Hose I.D. in
41.880	1/4
41.881	3/8
41.882	1/2
41.883	5/8
41.884	3/4

SWIVEL HOSE BARB TO FEMALE NPT



Product No	Hose I.D. in	Thread (F) NPT
41.715	1/4	1/4
41.717	1/2	1/2

CAUTION

"Lock-on" fittings should only be used with "Lock-on" type hose. The fittings must be inserted completely in the hose to be safely retained. Use of "Lock-on" type fittings with the wrong hose type can lead to hose and fitting failures.

For more details on "Lock-on" hoses see TOPFLEX air hoses from Series 77

THE PROBLEM



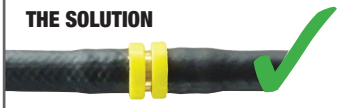
THE SOLUTION

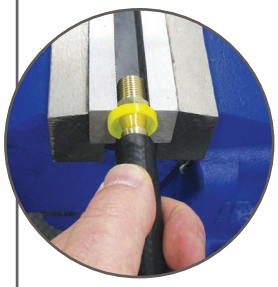


THE PROBLEM



THE SOLUTION





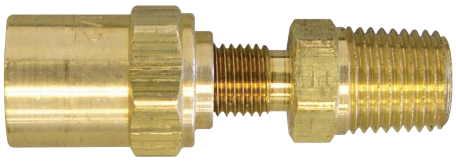
To install a "LOCK-ON" fitting, cut the hose straight and fully insert the fitting in the hose. For a safe connection, full insertion is required.

BRASS REUSABLE HOSE FITTINGS FOR RUBBER AIR HOSE

- For easy and foolproof replacement of hose fittings
- Eliminate need for crimping or skiving
- Available for most popular hose sizes

IN | NPT

Specification
Working Temperature: -40 to 107 °C



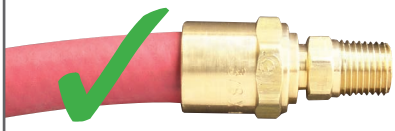
Product No	Hose I.D. in	Hose O.D. in	Thread (M) NPT
41.800	1/4	1/2	1/4
41.802	1/4	9/16	1/4
41.804	1/4	5/8	1/4
41.810	5/16	9/16	1/4
41.812	5/16	5/8	1/4
41.817	3/8	5/8	1/4
41.818	3/8	5/8	3/8
41.819	3/8	11/16	1/4
41.820	3/8	11/16	3/8
41.821	3/8	3/4	1/4
41.830	1/2	7/8	1/2

THE PROBLEM



Standard fittings used with hose clamps often lead to hose deterioration.

THE SOLUTION



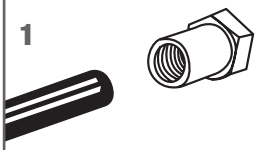
Reusable hose fittings make for neat, long-lasting connections.

CAUTION

Reusable hose fittings are not recommended for use with thermoplastic hoses.

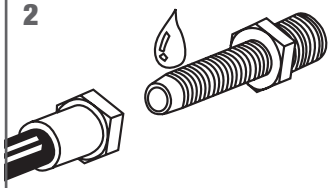
INSTALLATION

1



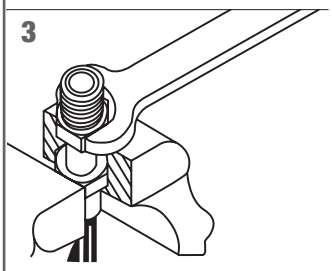
Simply slip and twist ferrule on the end of hose which has been trimmed flush. No skiving necessary.

2



Apply a drop or two of lubricant to fitting before inserting into the ferrule.

3

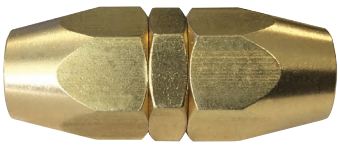


Turn reusable fitting into the ferrule. Hose is expanded inside ferrule for perfect fit.

REUSABLE BRASS FITTING FOR 1/4 I.D. AIR HOSE REPAIR

- Dependable, leak-tight seal and resistant to loosening caused by vibrations
- Full flow
- Compatible with 1/4 I.D. hose from Series 14, 17, 74 and 78

IN | NPT



Product No	Hose I.D. in	Hose O.D. in
41.835	1/4	3/8

INSTALLATION

1



After cutting straight both sides of the hose, insert the sleeve nut on each side.

2



Press the barbed ends of the fitting into the end of each hose until it seats against the thread base.

3



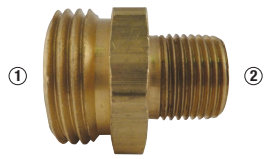
Slide each nut onto the fitting and tighten. Complete the installation by tightening the nuts with the appropriate wrench until it reaches the fitting body.

BRASS FITTINGS FOR WATER HOSE

IN | NPT | GHT

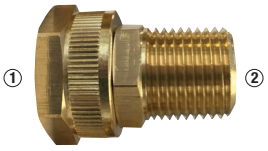
- Brass fittings for water hose connectors
- Can be assembled on certain hose reels from Series 79: SteelPro, SteelPro inox, Retracto and EzReel
- For most industrial plant requirements or shops

MALE CONNECTOR



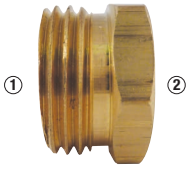
Product No	Thread ① (M) GHT	Thread ② (M) NPT
41.211	3/4	3/8
41.212	3/4	1/2

MALE SWIVEL CONNECTOR



Product No	Thread ① (F) GHT	Thread ② (M) NPT
41.207	3/4	3/8
41.209	3/4	1/2

FEMALE CONNECTOR



Product No	Thread ① (M) GHT	Thread ② (F) NPT
41.216	3/4	3/8
41.217	3/4	1/2

FEMALE SWIVEL CONNECTOR



Product No	Thread ① (F) GHT	Thread ② (F) NPT
41.201	3/4	1/2

PTFE SEALING TAPE

- Prevents air leaks on all threaded connections
- Comes in a plastic spool dispenser
- Industrial quality



Product No	Description
41.005	1 sealing tape 12 mm x 12 m
41.005C	Carded with 2 sealing tapes 12 mm x 12 m

ANAEROBIC ADHESIVE SEALANT

This polymerized anaerobic adhesive for pipes or hoses enables liquid gasketing.

Anaerobic sealants provide instant sealing against moderate pressure between two metal threaded parts while staying flexible and elastic.



- Prevents air leaks on all metal threaded connections
- Fills up to 0.30 mm metal thread space
- Low friction coefficient for easy assembly and disassembly
- Designed for pipes with diameters of less than 2 inches
- Shocks, vibration, and heat resistant
- Polymerization manipulation time: 20 to 40 minutes
- Polymerization use: 3 to 6 hours

Specifications

Maximum Working Pressure: 300 PSI

Working Temperature: -55 to 150 °C

Color: White

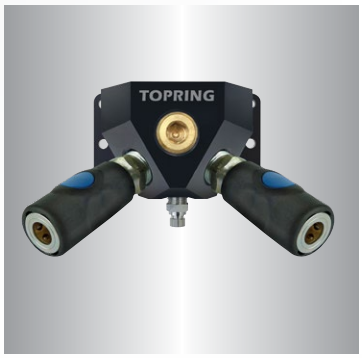
Product No	Size
41.013	50 ml
41.014	250 ml

NOTES

Quick couplers









Group 3 • Series 20-31

TOPRING

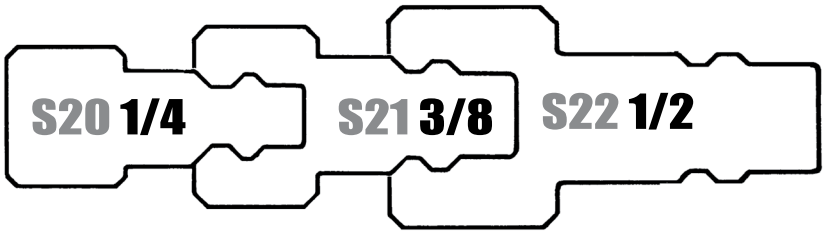
Compressed air solutions

TOPRING PLUG PROFILES

Series / Interchange type

INDUSTRIAL
ISO 6150-B (AA-A-59439)

I/M 1/4 | I/M 3/8 | I/M 1/2



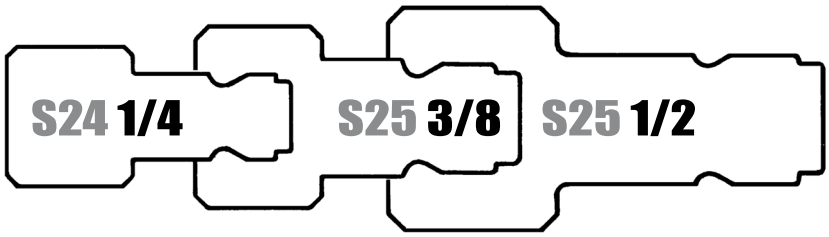
ARO 210

A 1/4



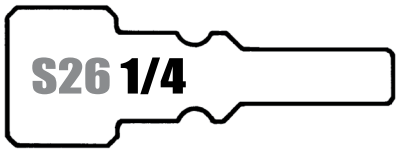
TRUFLATE

T 1/4 | T 3/8 | T 1/2



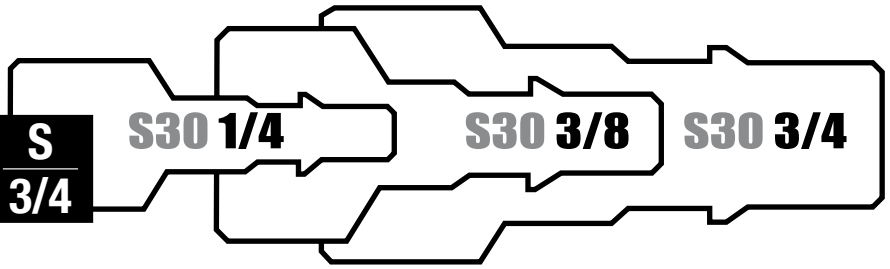
LINCOLN

L 1/4



STÄUBLI
ISO 6150-C

S 1/4 | S 3/8 | S 3/4



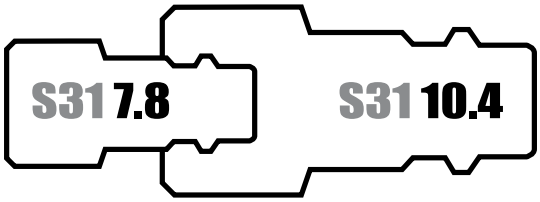
NITTO
JAPANESE STANDARD

N 7.8

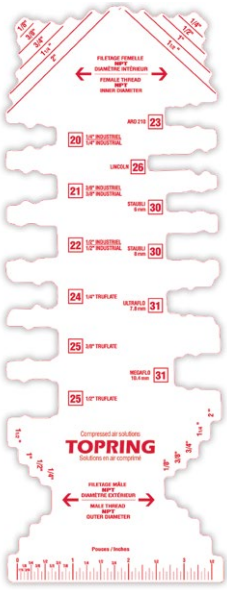


ULTRAFLO/MEGAFLO
EUROPEAN STANDARD

E 7.8 | E 10.4



Tool to easily identify plug profiles and threads



Product No: 96.030

QUICK COUPLERS SELECTION GUIDE SERIES 20-31

					INDUSTRIAL			ULTRAFLO	MEGAFLO	ARO 210	TRUFLATE			LINCOLN	NITTO	STÄUBLI		
MODEL	SAFE DISCONNECTION	CONNECTION	MATERIAL	U 1/4	I/M 1/4	I/M 3/8	I/M 1/2	E 7.8	E 10.4	A 1/4	T 1/4	T 3/8	T 1/2	L 1/4	N 7.8	S 1/4	S 3/8	S 3/4
				S 20	S 20	S 21	S 22	S 31	S 31	S 23	S 24	S 25	S 25	S 26	S 27	S 30	S 30	S 30
TOPQUIK S1	✓	Automatic	Composite Stainless Steel (S22)		34 SCFM 174 PSI	81 SCFM 174 PSI	COMPOSITE 148 SCFM 174 PSI / STAINLESS 148 SCFM 232 PSI	73 SCFM 174 PSI	81 SCFM 174 PSI	32 SCFM 174 PSI	34 SCFM 174 PSI	81 SCFM 174 PSI	120 SCFM 174 PSI					
TOPQUIK SC	✓	Manual	Steel		38 SCFM 360 PSI	75 SCFM 360 PSI	175 SCFM 360 PSI	70 SCFM 360 PSI		38 SCFM 360 PSI								175 SCFM 360 PSI
TOPQUIK	✓	Automatic	Composite		36 SCFM 225 PSI	73 SCFM 232 PSI	167 SCFM 174 PSI	59 SCFM 174 PSI							78 SCFM 175 PSI			
QUIKSILVER		Automatic	Steel		44 SCFM 362 PSI	72 SCFM 435 PSI	145 SCFM 500 PSI	80 SCFM 362 PSI		44 SCFM 362 PSI								
QUIKSILVER 2		Automatic	Steel		44 SCFM 362 PSI			80 SCFM 362 PSI		44 SCFM 362 PSI								
AUTOMAX		Automatic	Brass		37 SCFM 250 PSI	62 SCFM 300 PSI	99 SCFM 300 PSI	50 SCFM 200 PSI		34 SCFM 250 PSI				32 SCFM 250 PSI				
AUTOMAX SLIM		Automatic	Brass		45 SCFM 150 PSI			60 SCFM 150 PSI										
MAXQUIK		Manuelle	Steel		24 SCFM 250 PSI	56 SCFM 250 PSI	75 SCFM 250 PSI			28 SCFM 250 PSI	24 SCFM 250 PSI	67 SCFM 250 PSI	92 SCFM 250 PSI					
MAXQUIK PLUS		Manuelle	Brass Stainless Steel		37 SCFM 250 PSI													
UNISAFE 5 IN 1 Compatibility with S20•31•23•24•26	✓	Automatic	Steel	34 SCFM 200 PSI														
UNIQUIK 3 IN 1 Compatibility with S20•23•24		Automatic	Brass NP Brass	35 SCFM 150 PSI														
UNIMAX 5 IN 1 Compatibility with S20•31•23•24•26		Automatic	Steel	37 SCFM 200 PSI														
ISOSAFE	✓	Automatic	Aluminum													45 SCFM 175 PSI	100 SCFM 145 PSI	

QUICK COUPLERS S20 TO S31

HOW TO CHOOSE THE IDEAL QUICK COUPLER?

Points to consider in order to choose the quick coupler for the application

ACCIDENT PREVENTION

AVOIDING DANGEROUS HOSE WHIPS

ZERO PRESSURE DISCONNECT COUPLERS

These couplers prevent dangerous hose whips with their two-stage disconnection system. The first stage allows the downstream pressure to be evacuated, while the second releases the plug completely and safely.

The possibility of a hose whip is therefore eliminated.



TOPQUIK S1 TOPQUIK ISOSAFE

ZERO PRESSURE CONNECT/DISCONNECT COUPLERS

These couplers allow connection and disconnection at zero pressure making it very easy to connect/disconnect. The plug is connected and secured before the air supply is released, providing a safe and easy connection.

Upon disconnection, the downstream pressure is released before the plug can be disconnected, thus eliminating the possibility of hose whips.



UNISAFE

PREVENTING ACCIDENTAL DISCONNECTIONS

COUPLERS WITH DRAG GUARDS

These couplers have an integrated drag guard preventing accidental disconnections when they are dragged on the floor.

The drag guard protects the coupler sleeve from releasing the plug under pressure.



QUIKSILVER MAXQUIK

PRESSURE AND FLOW REQUIREMENTS FOR THE APPLICATION (PSI & SCFM)

Air tools operate at variable air flow rates and pressures (specified by the manufacturers). **TOPRING** offers a quick reference table of the SCFM required for the frequently used tools on page **271**.

Quick coupler can be selected once the required SCFM is determined. The table on previous page summarizes the technical specifications of all **TOPRING** couplers.

Note that the inside diameter of the air hose used can be matched to the size of the coupler (e.g. 1/4 I.D. hose, 1/4 coupler). However, pressure and air volume restrictions such as a 1/2 I.D. hose with a 1/4 coupler must be avoided.

Finally, the maximum operating pressure of the selected connection must be equal to or greater than the maximum pressure of the compressed air system.

CAUTION

Over-pressurization could result in a sudden failure of the coupler causing severe bodily injury or death.

Be sure to select the proper coupler for your application and use only within the specified service pressure range.

TECH TIP

Refer to the pneumatic tools flow reference guide in the Series 70 to 78 (air hoses)



SELECTION GUIDE

Minimum air hose size per length size and flow

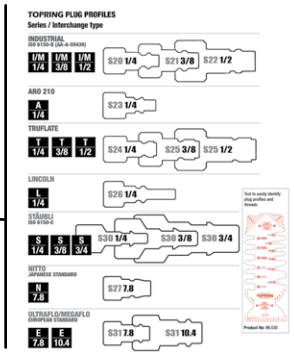
TOOL TYPE	FLOW SCFM	HOSE LENGTH					
		25'	35'	50'	75'	100'	150'
NAILERS/STAPLERS							
Nailer/Stapler (18 Gauge)	2.5	1/4	1/4	1/4	1/4	1/4	1/4
Stapler (20-16 Gauge)	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Finishing nailer	3.5	1/4	1/4	1/4	1/4	1/4	1/4
Roofing nailer	6.0	3/8	3/8	3/8	3/8	3/8	1/2
Framing nailer	11.2	3/8	3/8	3/8	3/8	3/8	1/2
Industrial Nailer	25.0	3/8	1/2	1/2	1/2	1/2	1/2
IMPACT TOOLS							
Wrench 1/4" socket	12.5	3/8	3/8	3/8	1/2	1/2	1/2
1/4" impact gun	16.0	3/8	3/8	3/8	1/2	1/2	1/2
3/8" ratchet	19.2	3/8	1/2	1/2	1/2	1/2	3/4
3/8" gun	21.0	1/2	1/2	1/2	3/4	3/4	3/4
1/2" impact gun	24.0	1/2	1/2	1/2	3/4	3/4	3/4
3/4" impact gun	34.7	1/2	1/2	3/4	3/4	3/4	3/4
1" impact gun	61.5	3/4	3/4	3/4	1	1	1
POLISHING TOOLS							
Orbital polisher	10.0	3/8	3/8	1/2	1/2	1/2	1/2
Oscillating sander	23.0	1/2	1/2	1/2	1/2	3/4	3/4
SANDERS							
Sander	9.0	3/16	3/16	3/8	3/8	3/8	1/2
4-1/2" angle grinder	16.4	3/8	1/2	1/2	1/2	1/2	3/4
10 mm belt sander	19.3	3/8	1/2	1/2	1/2	1/2	3/4
7" angle sander	29.6	1/2	1/2	1/2	3/4	3/4	3/4
DRILLS							
3/8" air drill	11.3	3/8	1/2	1/2	1/2	1/2	1/2
3/8" reversible air drill	23.0	1/2	1/2	1/2	1/2	3/4	3/4
1/2" reversible air drill	26.4	1/2	1/2	1/2	3/4	3/4	3/4
OTHER TOOLS							
Riveter	4.0	1/4	1/4	1/4	1/4	3/16	3/16
Grease gun	8.0	3/16	3/16	3/16	3/8	3/8	3/8
Caulking gun	0.3	1/4	1/4	1/4	1/4	1/4	1/4
HVLP paint gun	9.5	3/16	3/16	3/8	3/8	3/8	1/2
Screw driver	9.6	3/16	3/16	3/8	3/8	3/8	1/2
Gravity fed sand blaster	12.0	3/8	3/8	3/8	1/2	1/2	1/2

PLUG PROFILE USED

The plug profile determines the coupler profile to be used.
Most couplers are associated with a single plug profile (except for the "Universal" couplers that accept multiple plug profiles).

The opening of the plug determines the quantity of air (SCFM).
The ULTRAFLO S31 plug has an opening of 7.8 mm and offers flow rates from 50 to 80 SCFM.

Refer to the plug profile reference guide on page 2



FREQUENCY OF CONNECTION/DISCONNECTION

AUTOMATIC OR MANUAL COUPLERS ?

If the coupler must be disconnected several times a day, the automatic coupler is a better option. The connection is made by inserting the plug into the coupler without having to activate the sliding sleeve manually (but must be activated for disconnection).
To use the manual coupling, the sleeve must be manually retracted to connect or disconnect the plug.

AUTOMATIC COUPLERS



TOPQUIK S1 | TOPQUIK S1 | TOPQUIK | QUIKSILVER | QUIKSILVER 2 | AUTOMAX | AUTOMAX SLIM | UNISAFE | ISOSAFE | UNIQUIK | UNIMAX

MANUAL COUPLERS



TOPQUIK SC | MAXQUIK | MAXQUIK PLUS

CONDITIONS OF USE

Steel couplers offer greater resistance to harsh environments. They are also more resistant to applications where there are frequent impacts and high operating pressures.

Environmental conditions including moisture, water, chemicals and air pollutants can also cause premature deterioration of the couplers. For this type of environment, a stainless steel coupler is preferred.



QUIKSILVER | MAXQUIK PLUS STAINLESS STEEL

FLUIDS AND TEMPERATURES



DELICATE SURFACES TO PROTECT

In specific industries and applications, the risk of scratches on finished products is not acceptable (car body, furniture manufacturing, etc.).

Composite couplers protect delicate surfaces against scratches effectively.



TOPQUIK S1 TOPQUIK TOPQUIK SC

ERGONOMICS FOR THE USER

TOPQUIK couplers are very light compared to metal couplers offering better ergonomics for the user.

Free-angle fittings also offer improved tool handling and help reduce fatigue at the wrist (see Series 62).



TOPQUIK S1 TOPQUIK 62.360 62.332

ANTI-HOSE WHIP

Using a short anti-hose whip between the tool and the coupler will isolate the vibration on the coupler and extend its life while reducing the hazard of whipping.



CAUTION

Anti-hose whip air hoses are highly recommended for all impact tools, or when strong vibrations are present. See Series 62 for more details.

U 1/4

UNISAFE
SAFETY QUICK COUPLERS
UNIVERSAL INTERCHANGE
(AUTOMATIC)

200 PSI | 34 SCFM | SAFETY SÉCURITÉ

- Accept ULTRAFLO, 1/4 INDUSTRIAL, ARO 210, 1/4 TRUFLATE, and LINCOLN interchange plugs
- Safety coupler minimizes the possibility of hazardous hose whip by exhausting air pressure prior to disconnection
- Valve sleeve is operated independently of locking sleeve. When the valve sleeve is moved to shut off airflow downstream pressure is automatically vented
- Disconnection and connection are performed easily at zero pressure
- Automatic push-to-connect operation
- Proven six-ball locking mechanism evenly distributes load to resist wear and to provide positive connections. It also provides accurate alignment and allows a swivelling action to reduce hose torque
- Knurling and grooves on the sleeves provide a good gripping surface for ease of operation
- Also act as a slide valve for shutting down air to applications

Materials

Body: Nickel plated steel

Sleeve: Nickel plated steel

Valve: Nickel plated steel

Valve Spring: Zinc plated steel

Locking Mechanism: Hardened and nickel plated steel

Seals: Nitrile rubber

Specifications

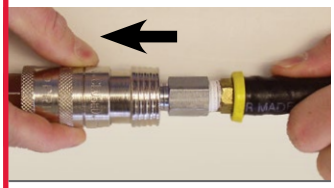
Maximum Working Pressure: 200 PSI

Working Temperature: -20 to 93 °C

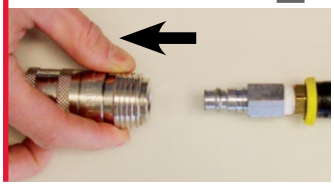
Airflow: 34 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

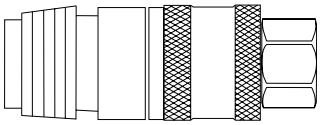
Slide the large sleeve to release downstream pressure **1**



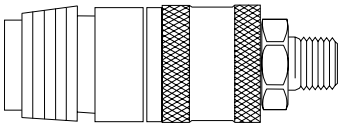
Slide the small sleeve to release the plug **2**







Product No	Female Thread
20.448	1/4 (F) NPT



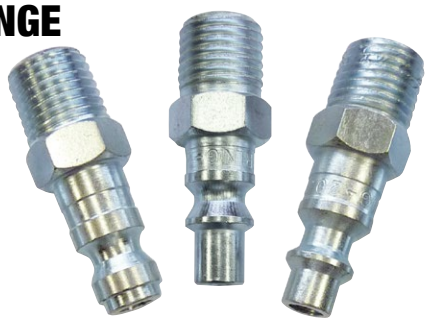
Product No	Male Thread
20.648	1/4 (M) NPT

U 1/4 UNIQUIK QUICK COUPLERS UNIVERSAL INTERCHANGE (AUTOMATIC)

150 PSI

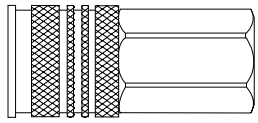
35 SCFM

- Accept 1/4 INDUSTRIAL, 1/4 TRUFLATE, and ARO 210 interchange plugs
- Automatic push-to-connect operation
- Sleeve guard protects against accidental disconnection when the coupler is dragged on the floor or over obstructions
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism

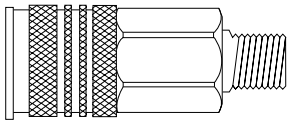




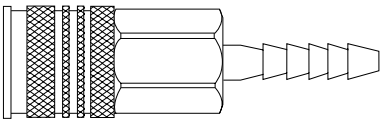
Brass



Brass Product No	Female Thread
20.440	1/4 (F) NPT
20.460	3/8 (F) NPT



Brass Product No	Male Thread
20.640	1/4 (M) NPT
20.660	3/8 (M) NPT



Brass Product No	Hose Barb
20.740	1/4 I.D.
20.760	3/8 I.D.

Materials

Body: Brass / Nickel plated brass (20.442 and 20.642)

Sleeve: Zinc plated steel / Nickel plated steel (20.442 et 20.642)

Valve: Brass plated zinc

Valve Spring: Stainless steel

Locking Mechanism: Nickel plated steel

Seals: Nitrile rubber

Specifications

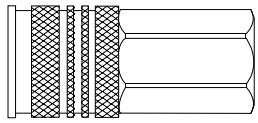
Maximum Working Pressure: 150 PSI

Working Temperature: -40 to 71 °C

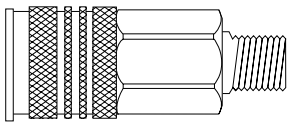
Airflow: 35 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



Nickel plated brass



Nickel Plated Brass Product No	Female Thread
20.442	1/4 (F) NPT

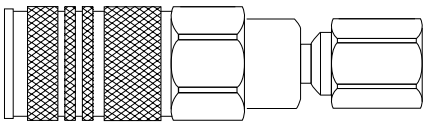


Nickel Plated Brass Product No	Male Thread
20.642	1/4 (M) NPT

U 1/4 UNIQUIK SWIVEL QUICK COUPLER UNIVERSAL INTERCHANGE (AUTOMATIC)

- Accepts 1/4 INDUSTRIAL and 1/4 TRUFLATE type plugs
- Automatic push-to-connect operation
- 360 º swivel with a 30 º angle positionning
- Ball locking mechanism
- Sleeve guard prevents accidental disconnection
- Deep knurled socket sleeve for positive gripping





Brass Product No	Female Thread
20.412C	1/4 (F) NPT

U 1/4 UNIMAX QUICK COUPLERS UNIVERSAL INTERCHANGE (AUTOMATIC)

200 PSI

37 SCFM

- Accept ULTRAFLO, 1/4 INDUSTRIAL, ARO 210, 1/4 TRUFLATE, and LINCOLN interchange plugs
- Proven six-ball locking mechanism evenly distributes load to resist wear for longer service life
- Automatic push-to-connect operation
- Sleeve guard protects against accidental disconnection when the coupler is dragged on the floor or over obstructions
- Deep knurled sleeve for a better grip

Materials

Body Nickel plated steel

Sleeve: Nickel plated steel

Valve: Nickel plated steel

Valve Spring: Zinc plated steel

Locking Mechanism: Hardened and nickel plated steel

Seals: Nitrile rubber

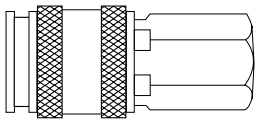
Specifications

Maximum Working Pressure: 200 PSI

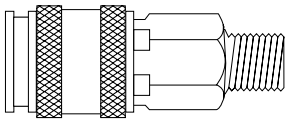
Working Temperature: -40 to 100 °C

Airflow: 37 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
20.441	1/4 (F) NPT



Product No	Male Thread
20.641	1/4 (M) NPT

I/M 1/4 PLUGS INDUSTRIAL INTERCHANGE

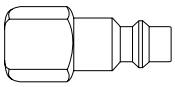
1/4 INDUSTRIAL
30° FREE ANGLE PLUGS

Free angle plugs are designed to provide 360° rotation and up to 30° of angle for air tool and air hose supply lines (see 62.360 • Series 62)



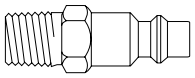
- Compatible with 1/4 INDUSTRIAL couplers
- Compatible with ISO standard 6150 B-12 and A-A59439
- Zinc plated or stainless steel 304 for an increased durability
- Corrosion-resistant for long life
- Made according to the industry standards to ensure compatibility
- Threads sealant coating for airtight connections (20.246 and 20.248)



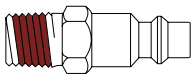


Zinc Plated Steel **Product No**	Female Thread
20.122	1/8 (F) NPT
20.142	1/4 (F) NPT
20.162	3/8 (F) NPT



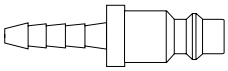


Zinc Plated Steel **Product No**	Male Thread
20.222	1/8 (M) NPT
20.242	1/4 (M) NPT
20.262	3/8 (M) NPT

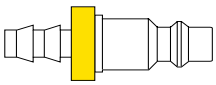


Zinc Plated Steel with sealant coating **Product No**	Male Thread
20.248	1/4 (M) NPT





Zinc Plated Steel **Product No**	Hose Barb
20.342	1/4 I.D.
20.362	3/8 I.D.

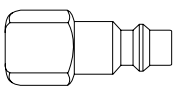


Zinc Plated Steel **Product No**	Hose Barb (Lock-On)
20.365	3/8 I.D.

STAINLESS STEEL PLUGS

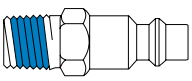
IDEAL FOR CORROSIVE ENVIRONMENT





Stainless Steel **Product No**	Female Thread
20.146	1/4 (F) NPT





Stainless Steel with sealant coating **Product No**	Male Thread
20.246	1/4 (M) NPT

I/M 1/4

TOPQUIK S1
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

174 PSI · 34 SCFM · SAFETY SÉCURITÉ · ERGONOMICS ERGONOMIE · STANDARD ATEX · DIRECTIVE RoHS

- Accept 1/4 INDUSTRIAL interchange plugs (A-A59439)
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning
- Ball locking mechanism

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 34 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

With a single push on the button, the plug is disconnected but held within the coupler



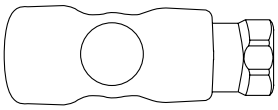
The plug can be removed safely



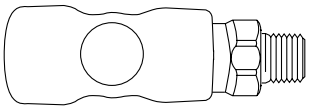


Compatible plugs at the beginning of Series 20

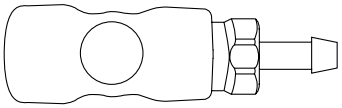
BLUE BUTTON indicates INDUSTRIAL interchange coupler



Product No	Female Thread
20.415	1/4 (F) NPT
20.435	3/8 (F) NPT
20.475	1/2 (F) NPT



Product No	Male Thread
20.615	1/4 (M) NPT
20.635	3/8 (M) NPT
20.675	1/2 (M) NPT



Product No	Hose Barb
20.715	1/4 I.D.
20.735	3/8 I.D.

2 OUTLET MANIFOLD WITH TOPQUIK S1 QUICK COUPLERS AND DRAIN

①



Product No	Description	Inlet ①
20.705	2 x 20.675 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 1/4 TOPQUIK SC
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (MANUAL)

360 PSI | 38 SCFM | SAFETY SECURITE

- Accept 1/4 INDUSTRIAL interchange plugs (A-A59439)
- Prevent dangerous hose whip through a two-step disconnection
- Meet ISO 4414 safety standards
- Full-flow: tools work at maximal performance without having to increase the supply pressure
- Zero load pressure
  - Effortless connection because there is no pressure resistance
  - Safe disconnection because downstream pressure is automatically vented
- Low disconnection noise reduces workplace
- Tenifer treated surface for better abrasion resistance

Materials

Black part: Steel, tenifer treated

Sleeve: Zinc diecast, nickel plated

Housing: Steel nickel plated

Cylinder: Surface hardened steel, nickel plated

Valve Spring: Stainless steel

Other coupler components: Rubber coating

Seal: Nitrile rubber

Specifications

Maximum Working Pressure: 360 PSI

Maximum connection/disconnection Pressure: 217 PSI

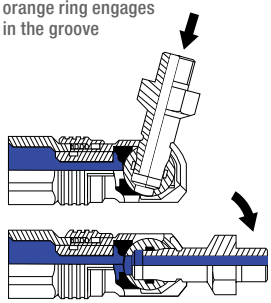
Working Temperature: -20 to 100 °C

Airflow: 38 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

CONNECTION
Push compatible plug into coupling and swing approximately 90° until the orange ring engages in the groove

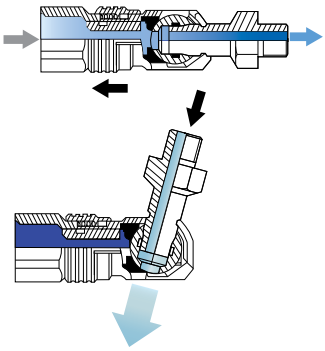
1



Pressure is in motion

DISCONNECTION
Pull back orange ring and swing plug to stop

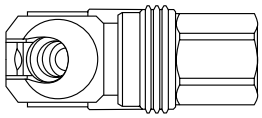
2



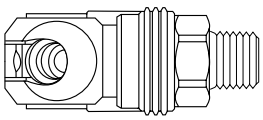
In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated



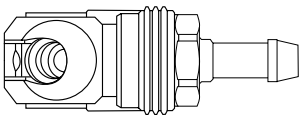
Compatible plugs at the beginning of Series 20



Product No	Female Thread
20.847	1/4 (F) NPT
20.867	3/8 (F) NPT
20.887	1/2 (F) NPT



Product No	Male Thread
20.947	1/4 (M) NPT
20.967	3/8 (M) NPT
20.987	1/2 (M) NPT



Product No	Hose barb
20.547	1/4 I.D.
20.557	5/16 I.D.
20.567	3/8 I.D.

I/M 1/4 TOPQUIK
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

225 PSI | 36 SCFM | SAFETY SÉCURITÉ

- Accept 1/4 INDUSTRIAL interchange plugs (A-A-59439)
- Automatic push-to-connect operation
- Prevent dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching delicate surfaces
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Super lightweight composite body contributes to ergonomics and safety
- Downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meet ISO 4414 safety standards
- Disconnection noise level of only 80 dB
- Leak-proof and reliable

Materials

Body: Composite

Backnut: Nickel plated brass

Seals: Nitrile rubber

Specifications

Maximum Working Pressure: 225 PSI

Working Temperature: -15 to 70 °C

Airflow: 36 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

Slide the sleeve back to release downstream pressure

The plug is released but held within the coupler

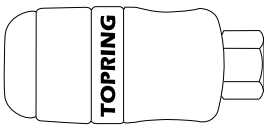


Slide the sleeve forward

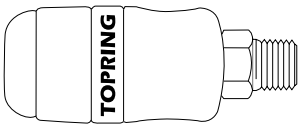
The plug is released completely







Product No	Female Thread
20.449	1/4 (F) NPT
20.469	3/8 (F) NPT



Product No	Male Thread
20.649	1/4 (M) NPT
20.669	3/8 (M) NPT

I/M 1/4 QUIKSILVER QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

362 PSI

44 SCFM

- Accept 1/4 INDUSTRIAL interchange plugs (A-A-59439)
- High performance, corrosion-resistant coupler for long service life
- Deliver high air volume with low pressure drop for better tool performance
- Drag guard protects against accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism

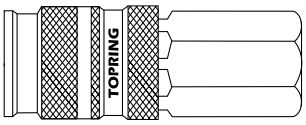
Materials

Body: Zinc plated steel
Drag Guard: Zinc plated steel
Valve: Acetal
Sleeve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel 420
Seals: Nitrile rubber

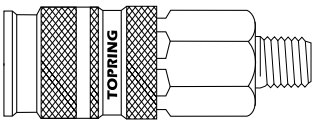
Specifications

Maximum Working Pressure: 362 PSI
Working Temperature: -20 to 60 °C
Airflow: 44 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
20.446	1/4 (F) NPT
20.466	3/8 (F) NPT
20.486	1/2 (F) NPT



Product No	Male Thread
20.646	1/4 (M) NPT
20.666	3/8 (M) NPT
20.686	1/2 (M) NPT

2 OUTLET MANIFOLD WITH QUIKSILVER QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
20.709	2 x 20.686 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 1/4 QUIKSILVER 2 QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

362 PSI

44 SCFM

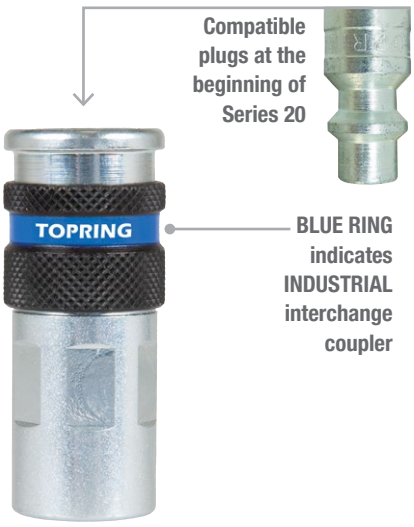
- Accept 1/4 INDUSTRIAL interchange plugs (A-A-59439)
- Compact design
- Automatic push-to-connect operation with efficient and secure connection using ball locking mechanism
- High air volume with low pressure drop for a better tool performance
- High performance and corrosion-resistant coupler
- Drag guard protects against accidental disconnection
- Deep knurled sleeve for a better grip

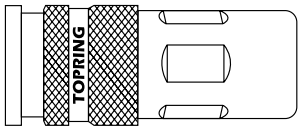
Materials

Body: Zinc plated steel
Drag Guard: Zinc plated steel
Valve: Acetal
Sleeve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel
Seals: Nitrile rubber

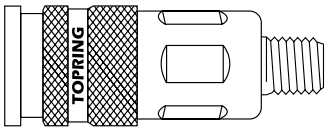
Specifications

Maximum Working Pressure: 362 PSI
Working Temperature: -20 to 60 °C
Airflow: 44 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
20.416	1/4 (F) NPT
20.436	3/8 (F) NPT
20.476	1/2 (F) NPT



Product No	Male Thread
20.616	1/4 (M) NPT
20.636	3/8 (M) NPT
20.676	1/2 (M) NPT

2 OUTLET MANIFOLD WITH QUIKSILVER 2 QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
20.725	2 x 20.676 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 1/4 AUTOMAX QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

250 PSI

37 SCFM

- Accept 1/4 INDUSTRIAL interchange plugs (A-A-59439)
- Automatic push-to-connect operation
- Proven and positive connection using pin lock mechanism

Materials

Body: Brass

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve spring: Stainless steel

Valve: Brass

Locking Mechanism: Hardened steel and zinc plated

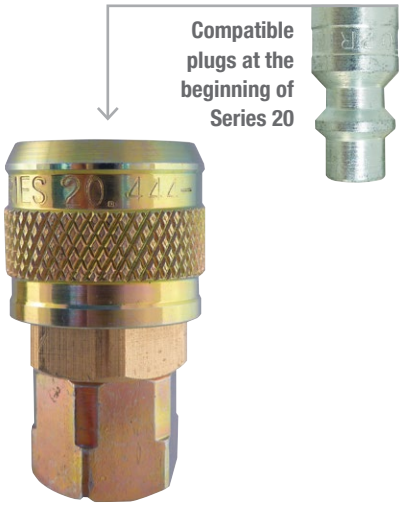
Seals: Nitrile rubber

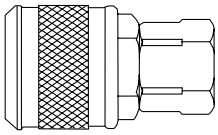
Specifications

Maximum Working Pressure: 250 PSI

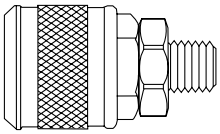
Working Temperature: -40 to 107 °C

Airflow: 37 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

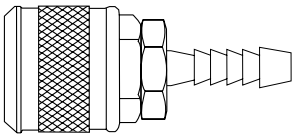




Product No	Female Thread
20.444	1/4 (F) NPT
20.464	3/8 (F) NPT



Product No	Male Thread
20.644	1/4 (M) NPT
20.664	3/8 (M) NPT



Product No	Hose Barb
20.744	1/4 I.D.
20.764	3/8 I.D.

I/M 1/4 MAXQUIK PLUS QUICK COUPLERS INDUSTRIAL INTERCHANGE (MANUAL)

250 PSI

37 SCFM

- Accept 1/4 INDUSTRIAL interchange plugs (A-A-59439)
- Rugged and reliable
- Ball locking mechanism
- Sleeve must be manually retracted to connect or disconnect the plug
- Ideal for harsh environment (20.846 and 20.946)

Materials

Body: Brass
Stainless steel 304 (20.846 and 20.946)

Sleeve: Nickel plated steel
Stainless steel (20.846 and 20.946)

Valve: Zinc plated steel
Nickel plated brass (20.846 et 20.946)

Locking Mechanism: Stainless steel

Valve Spring: Stainless steel

Seals: Nitrile rubber

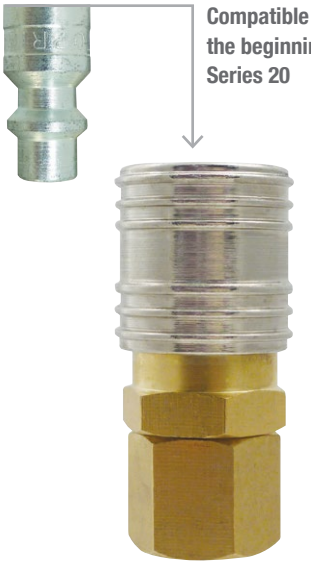
Specifications

Maximum Working Pressure: 250 PSI

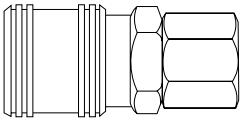
Working Temperature: -40 to 107 °C

Airflow: 37 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

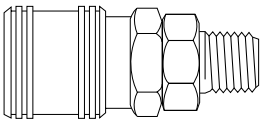
BRASS COUPLERS



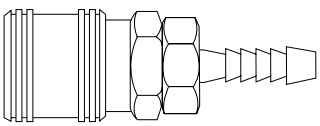
Brass



Brass **Product No**	Female Thread
20.844	1/4 (F) NPT



Brass **Product No**	Male Thread
20.944	1/4 (M) NPT

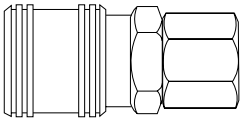


Brass **Product No**	Hose Barb
20.564	3/8 I.D.

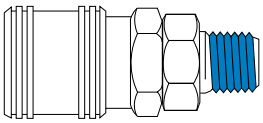
STAINLESS STEEL COUPLERS



Stainless Steel 304



Stainless Steel **Product No**	Female Thread
20.846	1/4 (F) NPT



Stainless Steel with Sealant Coating **Product No**	Male Thread
20.946	1/4 (M) NPT

I/M 1/4 MAXQUIK QUICK COUPLERS INDUSTRIAL INTERCHANGE (MANUAL)

250 PSI

24 SCFM

- Accept 1/4 INDUSTRIAL interchange plugs (A-A-59439)
- Sleeve must be manually retracted to connect or disconnect the plug
- Compact and economic design
- Four-ball locking mechanism allows for a tight and long-lasting connection
- Sleeve guard prevents accidental disconnection
- Deep knurled socket sleeve for positive gripping

Materials

Body: Zinc plated steel

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve: Zinc plated steel

Valve Spring: Nickel plated steel

Locking Mechanism: Nickel plated steel

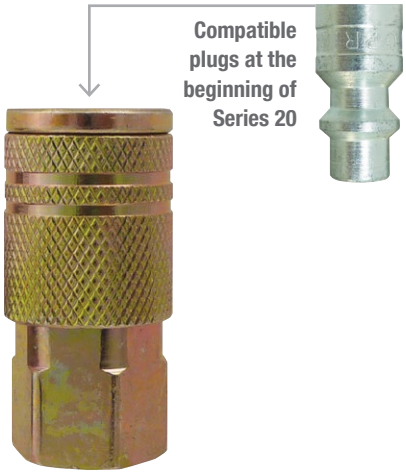
Seals: Nitrile rubber

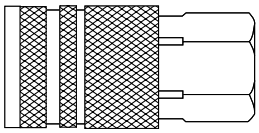
Specifications

Maximum Working Pressure: 250 PSI

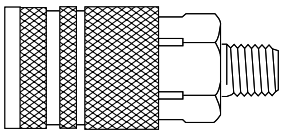
Working Temperature: -40 to 107 °C

Airflow: 24 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

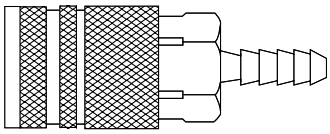




Product No	Female Thread
20.842	1/4 (F) NPT
20.862	3/8 (F) NPT



Product No	Male Thread
20.942	1/4 (M) NPT
20.962	3/8 (M) NPT



Product No	Hose Barb
20.542	1/4 I.D.
20.562	3/8 I.D.

I/M 1/4 MAXQUIK INDUSTRIAL INTERCHANGE COUPLER

HOSE CONNECTION KIT (MANUAL)

Connections to the tool or the air supply



Product No	Description
20.704C	1 x 20.842 • coupler 1/4 (F) NPT
	1 x 20.142 • plug 1/4 (F) NPT
	1 x 20.242 • plug 1/4 (M) NPT
	1 x 41.105 • union 1/4 (M) NPT

AIR TOOL CONNECTION KIT (MANUAL)

Ideal for connecting a tool to an air hose



Product No	Description
20.711C	1 x 20.842 • coupler 1/4 (F) NPT
	1 x 20.242 • plug 1/4 (M) NPT

AIR TOOL CONNECTION KIT (MANUAL)

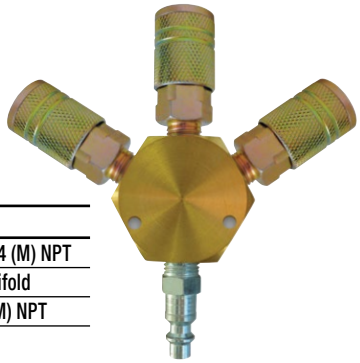
Allows easily interchange 3 tools to an air hose



Product No	Description
20.712C	1 x 20.842 • coupler 1/4 (F) NPT
	1 x 20.142 • plug 1/4 (F) NPT
	3 x 20.242 • plug 1/4 (M) NPT

3 OUTLET MANIFOLD WITH COUPLERS AND PLUG KIT (MANUAL)

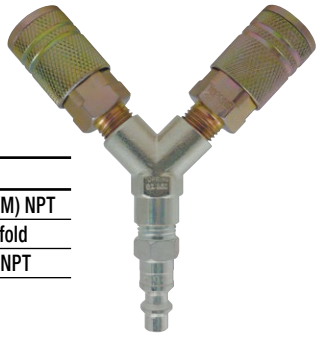
Connections of 3 tools to a single air hose



Product No	Description
20.703C	3 x 20.942 • coupler 1/4 (M) NPT
	1 x 62.810 • triple manifold
	1 x 20.242 • plug 1/4 (M) NPT

2 OUTLET MANIFOLD WITH COUPLERS AND PLUG KIT (MANUAL)

Connections of 2 tools to a single air hose

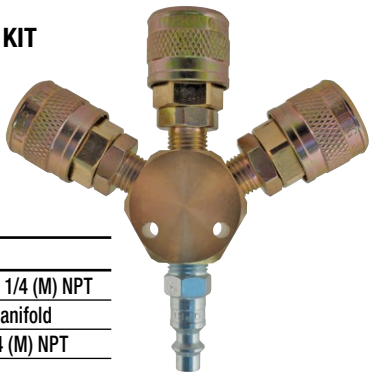


Product No	Description
20.702C	2 x 20.942 • coupler 1/4 (M) NPT
	1 x 62.850 • double manifold
	1 x 20.242 • plug 1/4 (M) NPT

I/M 1/4 AUTOMAX INDUSTRIAL INTERCHANGE COUPLER

3 OUTLET MANIFOLD WITH WITH COUPLERS AND PLUG KIT (AUTOMATIC)

Ideal for connecting 3 tools to a single air hose

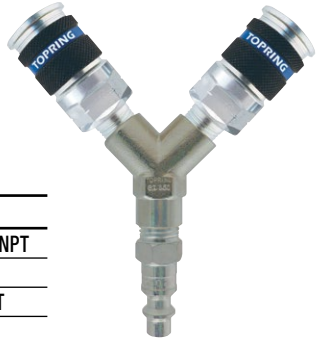


Product No	Description
20.701C	3 x 20.644 • coupler 1/4 (M) NPT
	1 x 62.810 • triple manifold
	1 x 20.242 • plug 1/4 (M) NPT

I/M 1/4 QUIKSILVER 2 INDUSTRIAL INTERCHANGE QUICK COUPLERS

2 OUTLET MANIFOLD WITH COUPLERS QUICKSILVER 2 KIT (MANUAL)

Connections of 2 tools to a single air hose



Product No	Description
20.700C	3 x 20.644 • coupler 1/4 (M) NPT
	1 x 62.810 • double manifold
	1 x 20.242 • plug 1/4 (M) NPT

I/M 3/8 PLUGS INDUSTRIAL INTERCHANGE



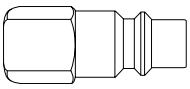
For an airtight connection, it is recommended to use PTFE tape (41.005) on male threads

- Compatible with 3/8 INDUSTRIAL couplers
- Hardened steel construction for strength and corrosion resistant zinc plating for long service life
- Compatible with ISO standard 6150 B-15 and A-A 59439

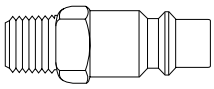




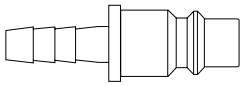




Product No	Female Thread
21.142	1/4 (F) NPT
21.162	3/8 (F) NPT
21.182	1/2 (F) NPT



Product No	Male Thread
21.242	1/4 (M) NPT
21.262	3/8 (M) NPT
21.282	1/2 (M) NPT



Product No	Hose Barb
21.362	3/8 I.D.
21.382	1/2 I.D.

FULL FLOW 90° FREE ANGLE SWIVEL FITTING



- Designed to provide 360° circular rotation and up to 90° of angle for air tool and air hose supply lines
- Improve tool maneuverability and reduce user fatigue
- Help alleviate carpal tunnel syndrome and back stress resulting in less lost-time injuries
- Full flow design

Product No	Description
62.334	3/8 (M) NPT x 3/8 (F) NPT



I/M 3/8

TOPQUIK S1
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

174 PSI | 81 SCFM | SAFETY SECURITÉ | ERGONOMICS ERGONOMIE | ATEX | RoHS

- Accept 3/8 INDUSTRIAL interchange plugs (A-A59439)
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning
- Ball locking mechanism

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum WorkingPressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 81 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

With a single push on the button, the plug is disconnected but held within the coupler



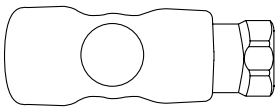
The plug can be removed safely



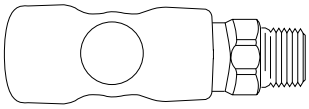


Compatible plugs at the beginning of Series 21

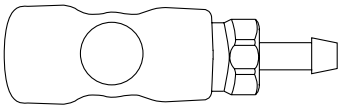
BLUE BUTTON indicates INDUSTRIAL interchange coupler



Product No	Female Thread
21.415	1/4 (F) NPT
21.435	3/8 (F) NPT
21.475	1/2 (F) NPT



Product No	Male Thread
21.615	1/4 (M) NPT
21.635	3/8 (M) NPT
21.675	1/2 (M) NPT



Product No	Hose Barb
21.735	3/8 I.D.
21.775	1/2 I.D.

2 OUTLET MANIFOLD WITH TOPQUIK S1 QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
21.705	2 x 21.675 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 3/8

TOPQUIK SC
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE
(MANUAL)

360 PSI | 75 SCFM | SAFETY SÉCURITÉ

- Accept 3/8 INDUSTRIAL interchange plugs (A-A59439)
- Prevent dangerous hose whip through a two-step disconnection making it safe
- Meet ISO 4414 safety standards
- Full-flow: tools work at maximal performance without having to increase the supply pressure
- Zero load pressure
  - Effortless connection because there is no pressure resistance
  - Safe disconnection because downstream pressure is automatically vented
- Low disconnection noise reduces workplace noise pollution
- Tenifer treated surface for better abrasion resistance

Materials

Black part: Steel, tenifer treated
Sleeve: Zinc diecast, nickel plated
Housing: Steel nickel plated
Cylinder: Surface hardened steel, nickel plated
Other coupler components: Rubber coating
Valve Spring: Stainless steel
Seal: Nitrile rubber

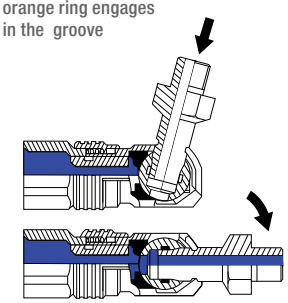
Specifications

Maximum Working Pressure: 360 PSI
Maximum Connection/Disconnection Pressure: 217 PSI
Working Temperature: -20 to 100 °C
Airflow: 75 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

CONNECTION
Push compatible plug into coupling and swing approximately 90° until the orange ring engages in the groove

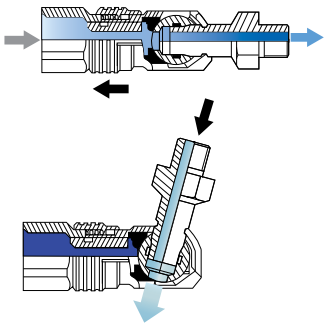
1



Pressure is in motion

DISCONNECTION
Pull back orange ring and swing plug to stop

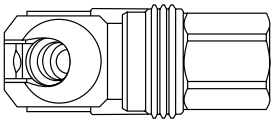
2



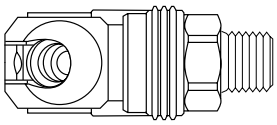
In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated



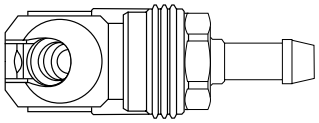
Compatible plugs at the beginning of Series 21



Product No	Female Thread
21.847	1/4 (F) NPT
21.867	3/8 (F) NPT
21.887	1/2 (F) NPT



Product No	Male Thread
21.947	1/4 (M) NPT
21.967	3/8 (M) NPT
21.987	1/2 (M) NPT



Product No	Hose Barb
21.567	3/8 I.D.
21.587	1/2 I.D.

I/M 3/8 TOPQUIK
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

232 PSI | 73 SCFM | SAFETY SECURITE

- Accept 3/8 INDUSTRIAL interchange plugs (A-A-59439)
- Automatic push-to-connect operation
- Prevent dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching delicate surfaces
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Super lightweight composite body contributes to ergonomics and safety
- Downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meet ISO 4414 safety standards
- Disconnection noise level of only 80 dB
- Leak-proof and reliable

Materials

Body: Composite

Backnut: Nickel plated brass

Seals: Nitrile rubber

Specifications

Maximum Working Pressure: 232 PSI

Working Temperature: -15 to 70 °C

Airflow: 73 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

Slide the sleeve back to release downstream pressure

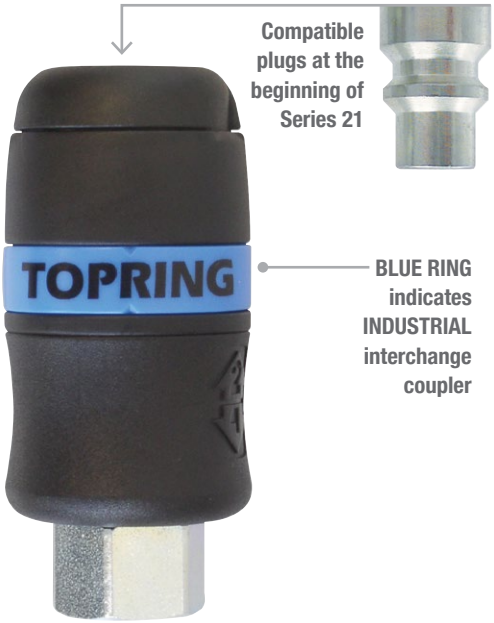
The plug is released but held within the coupler

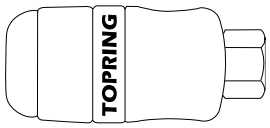


Slide the sleeve forward

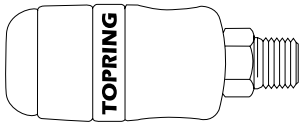
The plug is released completely







Product No	Female Thread
21.449	1/4 (F) NPT
21.469	3/8 (F) NPT
21.489	1/2 (F) NPT



Product No	Male Thread
21.649	1/4 (M) NPT
21.669	3/8 (M) NPT
21.689	1/2 (M) NPT

2 OUTLET MANIFOLD WITH TOPQUIK QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
21.710	2 x 21.689 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 3/8 QUIKSILVER QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

435 PSI

72 SCFM

- Accept 3/8 INDUSTRIAL interchange plugs (A-A-59439)
- High performance, corrosion-resistant coupler for long service life
- Deliver high air volume with low pressure drop for better tool performance
- Drag guard protects against accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism

Materials

Body: Nickel plated brass

Drag Guard: Nickel plated brass

Valve: Brass

Sleeve: Nickel plated steel

Valve Spring: Stainless steel

Locking Mechanism: 420 stainless steel

Seals: Nitrile rubber

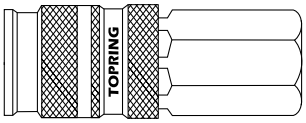
Specifications

Maximum Working Pressure: 435 PSI

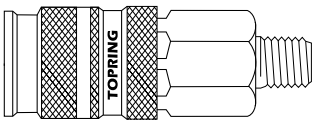
Working Temperature: -20 to 100 °C

Airflow: 72 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

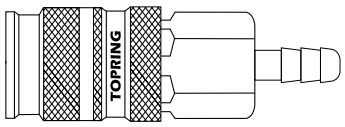




Product No	Female Thread
21.446	1/4 (F) NPT
21.466	3/8 (F) NPT
21.486	1/2 (F) NPT



Product No	Male Thread
21.666	3/8 (M) NPT
21.686	1/2 (M) NPT



Product No	Hose Barb
21.766	3/8 I.D.
21.786	1/2 I.D.

2 OUTLET MANIFOLD WITH QUIKSILVER QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
21.709	2 x 21.686 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 3/8 AUTOMAX QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

300 PSI

62 SCFM

- Accept 3/8 INDUSTRIAL interchange plugs (A-A-59439)
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Efficient and secure connection using ball locking mechanism
- Designed to be installed on a rigid surface, such as a manifold or wall
- High-flow capability

Materials

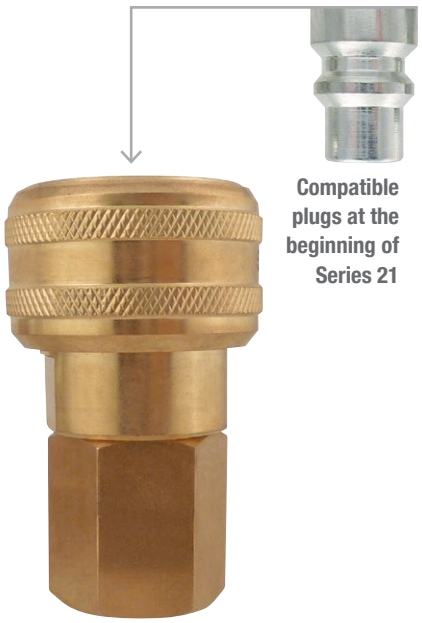
Body: Brass
Backnut: Brass
Sleeve: Brass
Valve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel
Seals: Nitrile rubber

Specifications

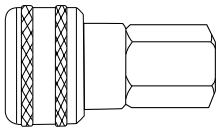
Maximum Working Pressure: 300 PSI
Working Temperature: -40 to 121 °C
Airflow: 62 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

INSTALLATION TIP

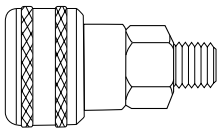
These couplers are designed for rigid wall mounting. They allow a simple push-to-connect operation (plug to coupler) when the manifold is solidly fixed to the wall.



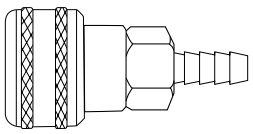
Compatible plugs at the beginning of Series 21



Product No	Female Thread
21.442	1/4 (F) NPT
21.462	3/8 (F) NPT
21.482	1/2 (F) NPT



Product No	Male Thread
21.642	1/4 (M) NPT
21.662	3/8 (M) NPT
21.682	1/2 (M) NPT



Product No	Barb
21.762	3/8 I.D.

2 OUTLET MANIFOLD WITH AUTOMAX QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
21.701	2 x 21.682 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 3/8 MAXQUIK QUICK COUPLERS INDUSTRIAL INTERCHANGE (MANUAL)

250 PSI

37 SCFM

- Accept 3/8 INDUSTRIAL interchange plugs (A-A-59439)
- Heavy-duty, high-quality design
- Sleeve must be manually retracted to connect or disconnect the plug
- Proven and positive connection using a ball locking mechanism
- High-flow capability
- Drag guard protects against accidental disconnection

Materials

Body: Zinc plated steel

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve: Nickel plated steel

Valve Spring: Zinc plated steel

Locking Mechanism: Hardened and nickel plated steel

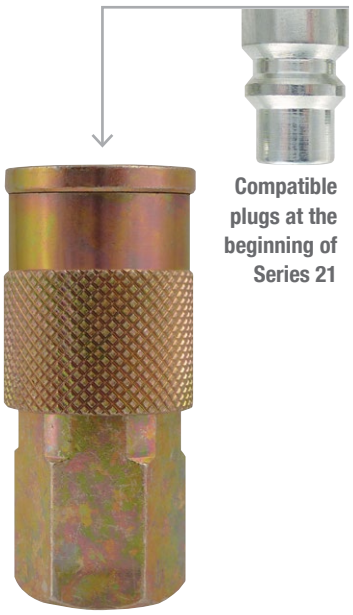
Seals: Nitrile rubber

Specifications

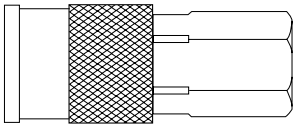
Maximum Working Pressure: 250 PSI

Working Temperature: -40 to 107 °C

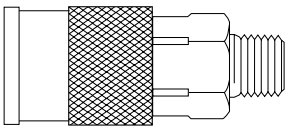
Airflow: 56 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



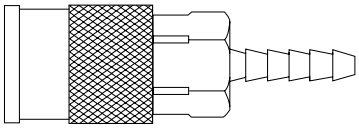
Compatible plugs at the beginning of Series 21



Product No	Female Thread
21.842	1/4 (F) NPT
21.862	3/8 (F) NPT
21.882	1/2 (F) NPT



Product No	Male Thread
21.942	1/4 (M) NPT
21.962	3/8 (M) NPT
21.982	1/2 (M) NPT



Product No	Hose Barb
21.562	3/8 I.D.
21.582	1/2 I.D.

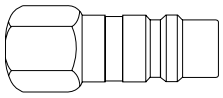
I/M 1/2 PLUGS INDUSTRIAL INTERCHANGE



For an airtight connection, it is recommended to use PTFE tape (41.005) on male threads

- Compatible with 1/2 INDUSTRIAL couplers
- Hardened steel construction for strength and corrosion-resistant zinc plating or stainless steel 303 for an increased durability in harsh environment
- Made according to industry standards to ensure compatibility
- Compatible with ISO standard 6150 B-17 and A-A 59439 (20.846 and 20.946)

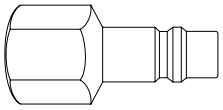




Product No	Female Thread
22.162	3/8 (F) NPT
22.182	1/2 (F) NPT
22.192	3/4 (F) NPT

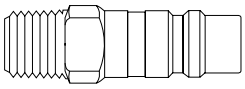
STAINLESS STEEL PLUGS





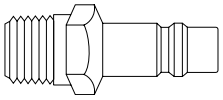
Product No	Female Thread
22.186	1/2 (F) NPT





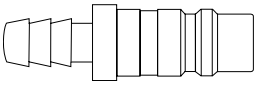
Product No	Male Thread
22.242	1/4 (M) NPT
22.262	3/8 (M) NPT
22.282	1/2 (M) NPT
22.292	3/4 (M) NPT





Product No	Male Thread
22.286	1/2 (M) NPT





Product No	Hose Barb
22.382	1/2 I.D.

I/M 1/2

TOPQUIK S1
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

232 PSI

148 SCFM

- Accept 1/2 INDUSTRIAL interchange type plugs (A-A59439)
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning
- Ideal in harsh environment

Materials

Body: Stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

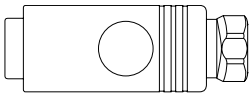
Maximum Working Pressure: 232 PSI

Working Temperature: -15 to 70 °C

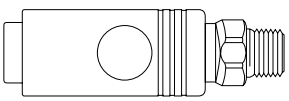
Airflow: 148 SCFM at 100 PSI inlet with 10 PSI pressure drop



STAINLESS STEEL COUPLERS



Product No	Female Thread
22.435	3/8 (F) NPT
22.475	1/2 (F) NPT
22.495	3/4 (F) NPT



Product No	Male Thread
22.635	3/8 (M) NPT
22.675	1/2 (M) NPT
22.695	3/4 (M) NPT

I/M 1/2

TOPQUIK S1
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE
(AUTOMATIC)

174 PSI | 148 SCFM | SAFETY SÉCURITÉ | ERGONOMICS ERGONOMIE | STANDARD • STANDARD • STANDARD • ATEX | DIRECTIVE RoHS

- Accept 1/2 INDUSTRIAL interchange plugs (A-A-59439)
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 142 SCFM at 100 PSI inlet with 10 PSI pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

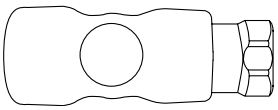
With a single push on the button, the plug is disconnected but held within the coupler



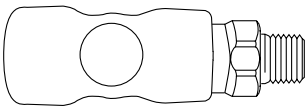
The plug can be removed safely



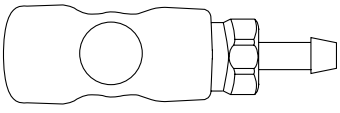




Product No	Female Thread
22.535	3/8 (F) NPT
22.575	1/2 (F) NPT
22.595	3/4 (F) NPT



Product No	Male Thread
22.835	3/8 (M) NPT
22.875	1/2 (M) NPT
22.895	3/4 (M) NPT



Product No	Hose Barb
22.935	3/8 I.D.
22.975	1/2 I.D.

I/M 1/2 TOPQUIK SC
SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (MANUAL)

360 PSI | 175 SCFM | SAFETY SÉCURITÉ

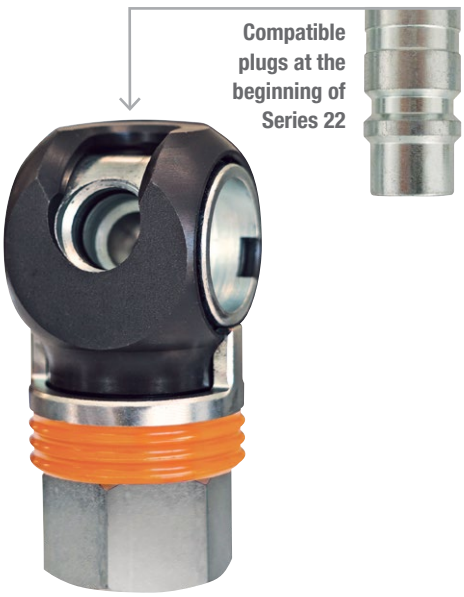
- Accept 1/2 INDUSTRIAL type plugs (A-A59439)
- Prevent dangerous hose whip through a two-step disconnection
- Meets ISO 4414 safety standards
- Full-flow: tools work at maximal performance without having to increase the supply pressure
- Zero load pressure
  - Effortless connection because there is no pressure resistance
  - Safe disconnection because downstream pressure is automatically vented
- Low disconnection noise reduces workplace noise pollution
- Tenifer treated surface for better abrasion resistance

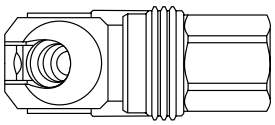
Materials

Black part: Steel, tenifer treated
Sleeve: Zinc diecast, nickel plated, orange rubber coating
Housing: Steel nickel plated
Cylinder: Surface hardened steel, nickel plated
Valve Spring: Stainless steel
Seal: Nitrile rubber
Other coupler components: Rubber coating

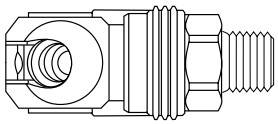
Specifications

Maximum Working Pressure: 360 PSI
Maximum Connection/Disconnection Pressure: 200 PSI
Working Temperature: -20 to 100 °C
Airflow: 175 SCFM at 100 PSI inlet with 10 PSI pressure drop

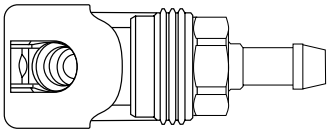




Product No	Female Thread
22.867	3/8 (F) NPT
22.887	1/2 (F) NPT
22.897	3/4 (F) NPT



Product No	Male Thread
22.967	3/8 (M) NPT
22.987	1/2 (M) NPT
22.997	3/4 (M) NPT



Product No	Hose barb
22.587	1/2 I.D,

I/M 1/2 TOPQUIK SAFETY QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

174 PSI | 167 SCFM | SAFETY SÉCURITÉ

- Accept 1/2 INDUSTRIAL interchange plugs (A-A-59439)
- Automatic push-to-connect operation
- Prevent dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching delicate surfaces
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Super lightweight composite body contributes to ergonomics and safety
- Downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meet ISO 4414 safety standards
- Disconnection noise level of only 80 dB
- Leak-proof and reliable

Materials

Body: Composite

Backnut: Nickel plated brass

Seals: Nitrile rubber

Specifications

Maximum WorkingPressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 167 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

Slide the sleeve back to release downstream pressure

The plug is released but held within the coupler

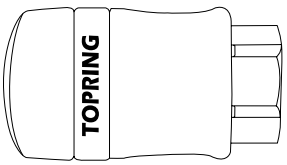


Slide the sleeve forward

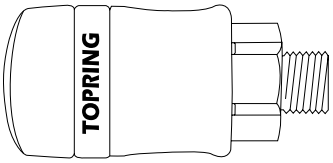
The plug is released completely







Product No	Female Thread
22.469	3/8 (F) NPT
22.489	1/2 (F) NPT



Product No	Male Thread
22.669	3/8 (M) NPT
22.689	1/2 (M) NPT

2 OUTLET MANIFOLD WITH TOPQUIK QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
22.710	2 x 22.689 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 1/2 QUIKSILVER QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

500 PSI

145 SCFM

- Accept 1/2 INDUSTRIAL interchange plugs (A-A-59439)
- High performance, corrosion-resistant coupler for long service life
- Delivers high air volume with low pressure drop for better tool performance
- Drag guard protects against accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism

Materials

Body: Nickel plated brass

Drag Guard: Nickel plated brass

Valve: Brass

Sleeve: Nickel plated steel

Valve Spring: Stainless steel

Locking Mechanism: 420 stainless steel

Seals: Nitrile rubber

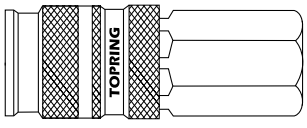
Specifications

Maximum Working Pressure: 500 PSI

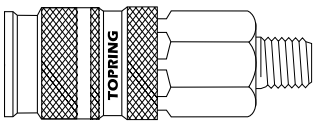
Working Temperature: -20 to 100 °C

Airflow: 145 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
22.466	3/8 (F) NPT
22.486	1/2 (F) NPT



Product No	Male Thread
22.686	1/2 (M) NPT

2 OUTLET MANIFOLD WITH QUIKSILVER QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
22.709	2 x 22.686 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 1/2 AUTOMAX QUICK COUPLERS INDUSTRIAL INTERCHANGE (AUTOMATIC)

300 PSI

99 SCFM

- Accept 1/2 INDUSTRIAL interchange plugs (A-A-59439)
- Automatic push-to-connect operation
- Heavy-duty, high-quality design
- Efficient and secure connection using ball locking mechanism
- Designed for rigid mounting that allows a simple push-to-connect operation
- High-flow capability

Materials

Body: Brass
Backnut: Brass
Sleeve: Brass
Valve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Stainless steel
Seals: Nitrile rubber

Specifications

Maximum Working Pressure: 300 PSI
Working Temperature: -40 to 121 °C
Airflow: 99 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

INSTALLATION TIP

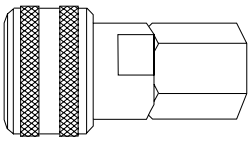
These couplers are designed for rigid wall mounting. They allow a simple push-to-connect operation if couplers are directly fixed into a manifold.



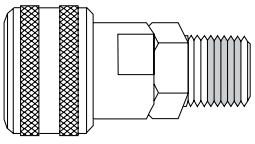
Male thread with sealant coating



Compatible plugs at the beginning of Series 22



Product No	Female Thread
22.482	1/2 (F) NPT



Product No	Male Thread
22.682	1/2 (M) NPT

2 OUTLET MANIFOLD WITH AUTOMAX QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
22.701	2 x 22.682 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

I/M 1/2 MAXQUIK QUICK COUPLERS INDUSTRIAL INTERCHANGE (MANUAL)

250 PSI

75 SCFM

- Accept 1/2 INDUSTRIAL interchange plugs (A-A-59439)
- High-flow capability
- Drag guard protects against accidental disconnection
- Ball locking mechanism

Materials

Body: Zinc plated steel

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve: Nickel plated steel

Valve Spring: Zinc plated steel

Locking Mechanism: Hardened and nickel plated steel

Seals: Nitrile rubber

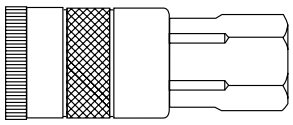
Specifications

Maximum Working Pressure: 250 PSI

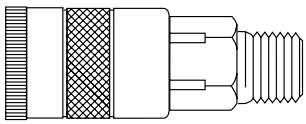
Working Temperature: -40 to 107 °C

Airflow: 75 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
22.862	3/8 (F) NPT
22.882	1/2 (F) NPT
22.892	3/4 (F) NPT



Product No	Male Thread
22.982	1/2 (M) NPT
22.992	3/4 (M) NPT

A 1/4 ARO 210 INTERCHANGE PLUGS

- Compatible with ARO 210 interchange couplers
- Hardened steel construction for strength and corrosion-resistant zinc plating
- Made according to industry standards to ensure compatibility



Product No	Female Thread
23.142	1/4 (F) NPT



Product No	Male Thread
23.242	1/4 (M) NPT



Product No	Hose Barb
23.342	1/4 I.D.
23.362	3/8 I.D.

ARO 210
30° FREE ANGLE PLUGS

Free angle plugs are designed to provide 360° rotation and up to 30° of angle for air tool and air hose supply lines (see 62.365 • Series 62)



A 1/4 QUIKSILVER 2 QUICK COUPLERS ARO 210 INTERCHANGE (AUTOMATIC)

362 PSI

44 SCFM

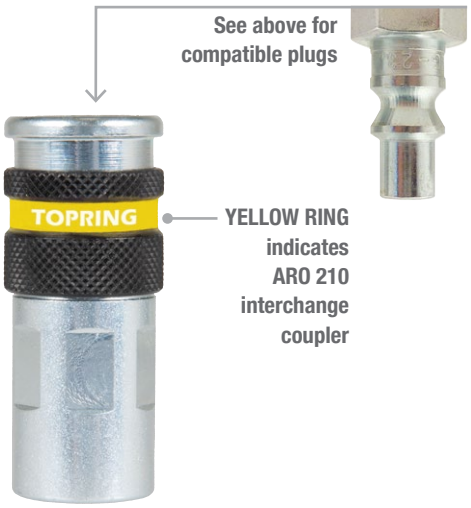
- Accept ARO 210 interchange plugs
- Compact design
- Automatic push-to-connect operation with efficient and secure connection using ball locking mechanism
- High air volume with low pressure drop for a better tool performance
- High performance and corrosion-resistant coupler
- Drag guard protects against accidental disconnection
- Deep knurled sleeve for a better grip

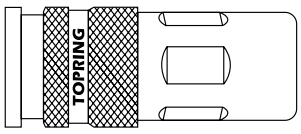
Materials

Body: Zinc plated steel
Drag Guard: Zinc plated steel
Valve: Acetal
Sleeve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel
Seals: Nitrile rubber

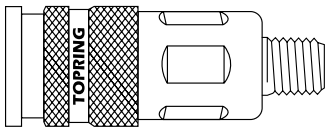
Specifications

Maximum Working Pressure: 362 PSI
Working Temperature: -20 to 60 °C
Airflow: 44 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
23.416	1/4 (F) NPT



Product No	Male Thread
23.616	1/4 (M) NPT

A 1/4

TOPQUIK S1
SAFETY QUICK COUPLERS ARO 210 INTERCHANGE
(AUTOMATIC)

174 PSI · 32 SCFM · SAFETY SÉCURITÉ · ERGONOMICS ERGONOMIE · STANDARD ATEX · DIRECTIVE RoHS

- Accept ARO 210 interchange plugs
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 32 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

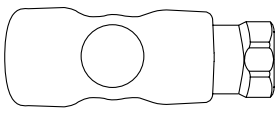
With a single push on the button, the plug is disconnected but held within the coupler



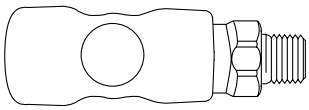
The plug can be removed safely



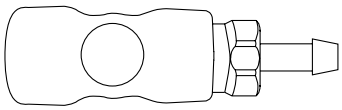




Product No	Female Thread
23.415	1/4 (F) NPT
23.435	3/8 (F) NPT
23.475	1/2 (F) NPT



Product No	Male thread
23.615	1/4 (M) NPT
23.635	3/8 (M) NPT
23.675	1/2 (M) NPT



Product No	Hose Barb
23.715	1/4 I.D.
23.735	3/8 I.D.
23.775	1/2 I.D.

A 1/4

TOPQUIK SC
SAFETY QUICK COUPLERS ARO 210 INTERCHANGE
(MANUAL)

360 PSI | 38 SCFM | SAFETY SECURITE

- Accept ARO 210 interchange plugs
- Prevent dangerous hose whip through a two-step disconnection making it safe
- Meet ISO 4414 safety standards
- Full-flow: tools work at maximal performance without having to increase the supply pressure
- Zero load pressure
  - Effortless connection because there is no pressure resistance
  - Safe disconnection because downstream pressure is automatically vented
- Low disconnection noise reduces workplace noise pollutio
- Tenifer treated surface for better abrasion resistance

Materials

Black part: Steel, tenifer treated

Sleeve: Zinc diecast, nickel plated

Housing: Steel nickel plated

Cylinder: Surface hardened steel, nickel plated

Valve Spring: Stainless steel

Seal: Nitrile rubber

Other coupler components: Rubber coating

Specifications

Maximum Working Pressure: 360 PSI

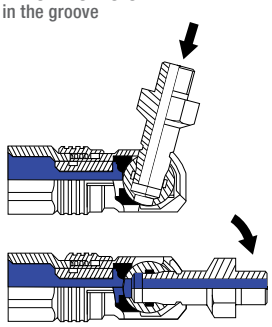
Maximum Connection/Disconnection Pressure: 217 PSI

Working Temperature: -20 to 100 °C

Airflow: 38 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

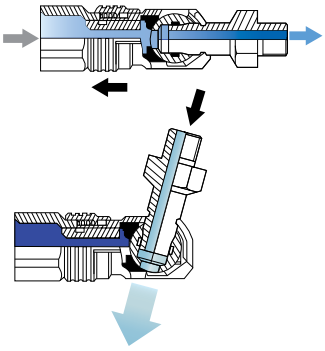
SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

CONNECTION 1
Push compatible plug into coupling and swing approximately 90° until the orange ring engages in the groove



Pressure is in motion

DISCONNECTION 2
Pull back orange ring and swing plug to stop

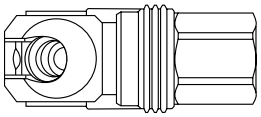


In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated

Compatible plugs at the beginning of Series 23







Product No	Female Thread
23.847	1/4 (F) NPT
23.867	3/8 (F) NPT
23.887	1/2 (F) NPT

A 1/4 QUIKSILVER QUICK COUPLERS ARO 210 INTERCHANGE (AUTOMATIC)

362 PSI

44 SCFM

- Accept ARO 210 interchange plugs
- High performance, corrosion-resistant coupler for long service life
- Delivers high air volume with low pressure drop for better tool performance
- Drag guard protects against accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism

Materials

Body: Zinc plated steel

Drag Guard: Zinc plated steel

Valve: Acetal

Sleeve: Zinc plated steel

Valve Spring: Stainless steel

Locking Mechanism: Stainless steel 420

Seals: Nitrile rubber

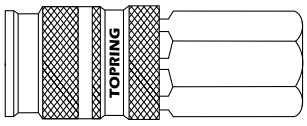
Specifications

Maximum Working Pressure: 362 PSI

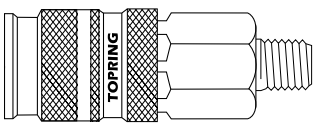
Working Temperature: -20 to 60 °C

Airflow: 44 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
23.446	1/4 (F) NPT



Product No	Male Thread
23.646	1/4 (M) NPT

A 1/4 AUTOMAX QUICK COUPLERS ARO 210 INTERCHANGE (AUTOMATIC)

250 PSI | 34 SCFM

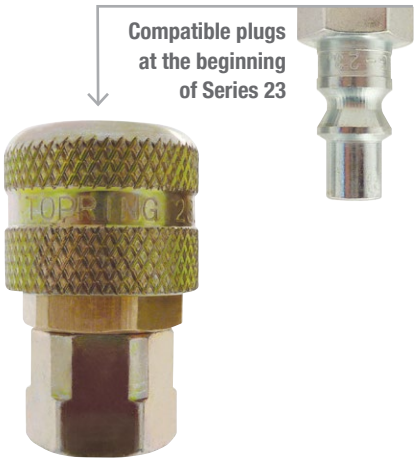
- Accept ARO 210 interchange plugs
- Automatic push-to-connect operation
- Knurled socket sleeve offers excellent grip
- Proven and positive connection using pin lock mechanism

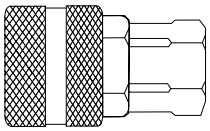
Materials

Body: Brass
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Brass
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel and zinc plated
Seals: Nitrile rubber

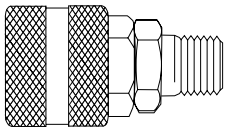
Specifications

Maximum Working Pressure: 250 PSI
Working Temperature: -40 to 107 °C
Airflow: 34 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

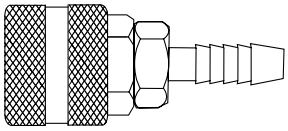




Product No	Female Thread
23.444	1/4 (F) NPT
23.464	3/8 (F) NPT



Product No	Male Thread
23.644	1/4 (M) NPT
23.664	3/8 (M) NPT



Product No	Hose Barb
23.764	3/8 I.D.

A 1/4 MAXQUIK QUICK COUPLERS ARO 210 INTERCHANGE (MANUAL)

250 PSI | 28 SCFM

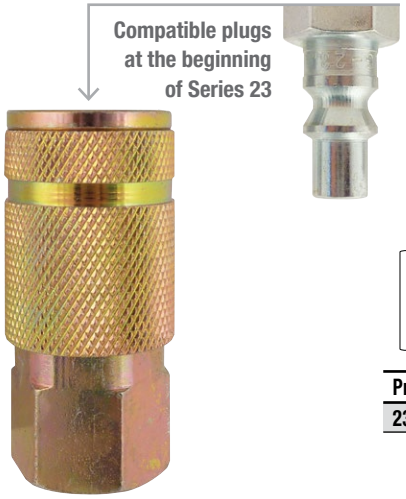
- Accept ARO 210 interchange plugs
- Compact and economic design
- Four-ball locking mechanism allows for a tight and long-lasting connection
- Sleeve guard prevents accidental disconnection
- Sleeve must be manually retracted to connect or disconnect the plug

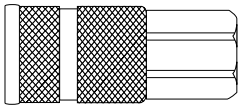
Materials

Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Zinc plated steel
Valve Spring: Nickel plated steel
Locking Mechanism: Nickel plated steel
Seals: Nitrile rubber

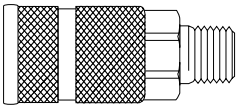
Specifications

Maximum Working Pressure: 250 PSI
Working Temperature: -40 to 107 °C
Airflow: 28 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

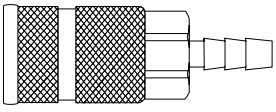




Product No	Female Thread
23.842	1/4 (F) NPT



Product No	Male Thread
23.942	1/4 (M) NPT



Product No	Hose Barb
23.742	1/4 I.D.
23.762	3/8 I.D.

A 1/4 MAXQUIK
ARO 210 INTERCHANGE

AIR TOOL AND HOSE CONNECTION KIT (MANUAL)

Connections to the tool or the air supply



Product No	Description
23.704C	1 x 23.842 • coupler 1/4 (F) NPT
	1 x 23.142 • plug 1/4 (F) NPT
	1 x 23.242 • plug 1/4 (M) NPT
	1 x 41.105 • union 1/4 (M) NPT

AIR TOOL CONNECTION KIT (MANUAL)

Connections to the tool or the air supply



Product No	Description
23.712C	1 x 23.842 • coupler 1/4 (F) NPT
	3 x 23.242 • plug 1/4 (M) NPT
	1 x 23.142 • plug 1/4 (F) NPT

AIR TOOL CONNECTION KIT (MANUAL)

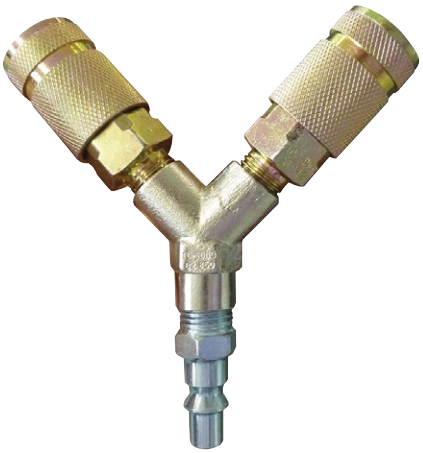
Ideal for connecting a tool to an air hose



Product No	Description
23.711C	1 x 23.842 • coupler 1/4 (F) NPT
	1 x 23.242 • plug 1/4 (M) NPT

AIR TOOL CONNECTION KIT (MANUAL)

Allows connection of 2 tools to a single air supply hose



Product No	Description
23.702C	2 x 23.942 • Coupler 1/4 (M) NPT
	1 x 62.850 • Double manifold 1/4 (F) NPT
	1 x 23.242 • Plug 1/4 (M) NPT

AIR TOOL CONNECTION KIT (MANUAL)

Allows connection of 3 tools to a single air supply hose

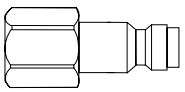


Product No	Description
23.703C	3 x 23.942 • Coupler 1/4 (M) NPT
	1 x 62.800 • Triple manifold 1/4 (F) NPT
	1 x 23.242 • Plug 1/4 (M) NPT

T 1/4 TRUFLATE INTERCHANGE PLUGS

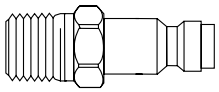
- Compatible with 1/4 TRUFLATE couplers
- Hardened steel construction for strength and corrosion-resistant zinc plating
- Made according to industry standards to ensure compatibility





Product No	Female Thread
24.142	1/4 (F) NPT





Product No	Male Thread
24.242	1/4 (M) NPT

T 1/4 MAXQUIK QUICK COUPLERS TRUFLATE INTERCHANGE (MANUAL)

250 PSI

24 SCFM

- Accept 1/4 TRUFLATE interchange plugs
- Sleeve must be manually retracted to connect or disconnect the plug
- Compact and economical design
- Four-ball locking mechanism allows for a tight and long-lasting connection
- Sleeve guard prevents accidental disconnection
- Deep knurled sleeve for a better grip

Materials

Body: Zinc plated steel

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve: Nickel plated steel

Valve Spring: Zinc plated steel

Locking Mechanism: Hardened and nickel plated steel

Seals: Nitrile rubber

Specifications

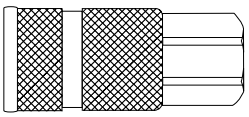
Maximum Working Pressure: 250 PSI

Working Temperature: -40 to 107 °C

Airflow: 24 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



See above for compatible plugs



Product No	Female Thread
24.844	1/4 (F) NPT

T 1/4

TOPQUIK S1
SAFETY QUICK COUPLERS TRUFLATE INTERCHANGE
(MANUAL OR AUTOMATIC)

174 PSI | 34 SCFM | SAFETY SÉCURITÉ | ERGONOMICS ERGONOMIE | STANDARD • STANDARD • STANDARD ATEX | DIRECTIVE RoHS

- Accept 1/4 TRUFLATE interchange plugs
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 34 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

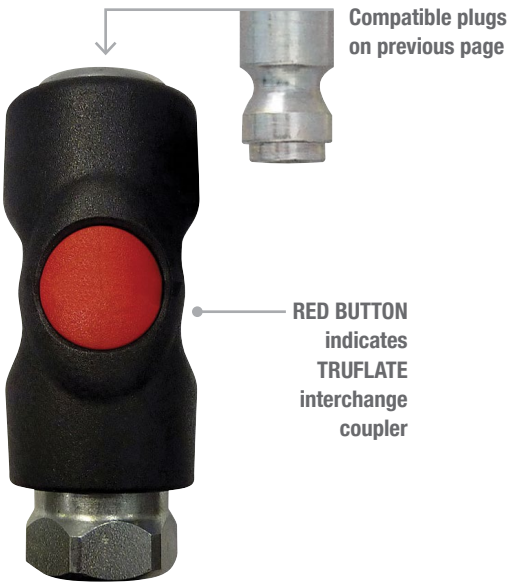
SAFE DISCONNECTION IN ONE SINGLE PUSH

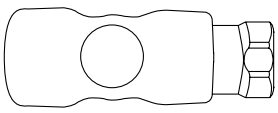
With a single push on the button, the plug is disconnected but held within the coupler



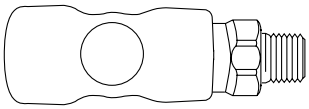
The plug can be removed safely



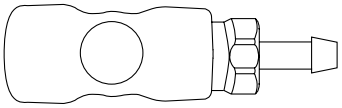




Product No	Female Thread
24.415	1/4 (F) NPT
24.435	3/8 (F) NPT
24.475	1/2 (F) NPT



Product No	Male Thread
24.615	1/4 (M) NPT
24.675	3/8 (M) NPT
24.695	1/2 (M) NPT

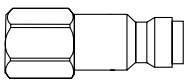


Product No	Hose Barb
24.725	5/16 I.D.
24.735	3/8 I.D.

T 3/8 TRUFLATE INTERCHANGE PLUGS

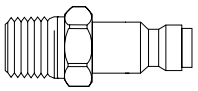
- Compatible with 3/8 TRUFLATE couplers
- Hardened steel construction for strength and corrosion-resistant zinc plating
- Made according to industry standards to ensure compatibility





Product No	Female Thread
25.142	1/4 (F) NPT
25.162	3/8 (F) NPT





Product No	Male Thread
25.242	1/4 (M) NPT
25.262	3/8 (M) NPT

2 OUTLET MANIFOLD WITH MAXQUIK QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
25.700	2 x 25.982 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

T 3/8 MAXQUIK QUICK COUPLERS TRUFLATE INTERCHANGE (MANUAL)

250 PSI

67 SCFM

- Accept 3/8 TRUFLATE interchange plugs
- Heavy-duty, high-quality design
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism
- Sleeve guard prevents accidental disconnection

Materials

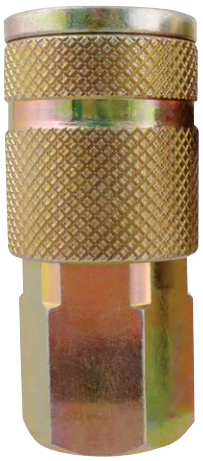
Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Nickel plated steel
Valve Spring: Zinc plated steel
Locking Mechanism: Hardened and nickel plated steel
Seals: Nitrile rubber

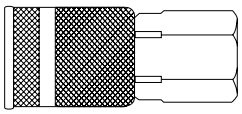
Specifications

Maximum Working Pressure: 250 PSI
Working Temperature: -40 to 107 °C
Airflow: 67 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

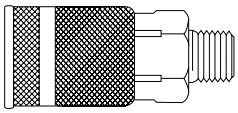
See above for compatible plugs







Product No	Female Thread
25.842	1/4 (F) NPT
25.862	3/8 (F) NPT
25.882	1/2 (F) NPT



Product No	Male Thread
25.942	1/4 (M) NPT
25.962	3/8 (M) NPT
25.982	1/2 (M) NPT

See above for compatible plugs

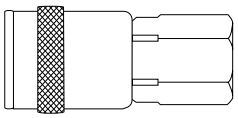




Easy grip coupler

Deep knurled sleeve for a better grip





Easy Grip Coupler	
Product No	Female Thread
25.844	1/4 (F) NPT
25.864	3/8 (F) NPT

T 3/8

TOPQUIK S1
SAFETY QUICK COUPLERS TRUFLATE INTERCHANGE
(MANUAL OR AUTOMATIC)

174 PSI | 81 SCFM | SAFETY SÉCURITÉ | ERGONOMICS ERGONOMIE | STANDARD • STANDARD • STANDARD ATEX | DIRECTIVE RoHS

- Accept 3/8 TRUFLATE interchange plugs
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 81 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

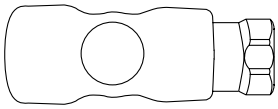
With a single push on the button, the plug is disconnected but held within the coupler



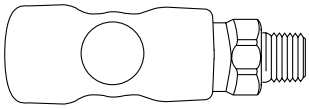
The plug can be removed safely



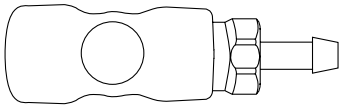




Product No	Female Thread
25.445	1/4 (F) NPT
25.465	3/8 (F) NPT
25.485	1/2 (F) NPT



Product No	Male Thread
25.645	1/4 (M) NPT
25.665	3/8 (M) NPT
25.685	1/2 (M) NPT

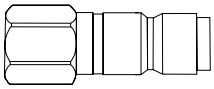


Product No	Hose Barb
25.785	1/2 I.D.

T 1/2 TRUFLATE INTERCHANGE PLUGS

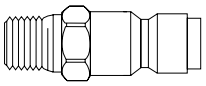
- Compatible with 1/2 TRUFLATE couplers
- Hardened steel construction for strength and corrosion-resistant zinc plating
- Made according to industry standards to ensure compatibility





Product No	Female Thread
25.362	3/8 (F) NPT
25.382	1/2 (F) NPT





Product No	Male Thread
25.462	3/8 (M) NPT
25.482	1/2 (M) NPT

T 1/2 MAXQUIK QUICK COUPLERS TRUFLATE INTERCHANGE (MANUAL)

250 PSI

92 SCFM

- Accept 1/2 TRUFLATE interchange plugs
- Heavy-duty, high-quality design
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism
- Sleeve guard prevents accidental disconnection

Materials

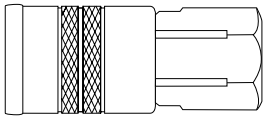
Body: Zinc plated steel
Backnut: Zinc plated steel
Sleeve: Zinc plated steel
Valve: Nickel plated steel
Valve Spring: Zinc plated steel
Locking Mechanism: Hardened and nickel plated steel
Seals: Nitrile rubber

Specifications

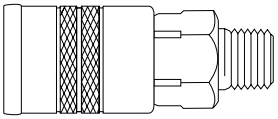
Maximum Working Pressure: 250 PSI
Working Temperature: -40 to 107 °C
Airflow: 92 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



See above for compatible plugs



Product No	Female Thread
25.662	3/8 (F) NPT
25.682	1/2 (F) NPT



Product No	Male Thread
25.762	3/8 (M) NPT
25.782	1/2 (M) NPT

T 1/2

TOPQUIK S1
SAFETY QUICK COUPLERS TRUFLATE INTERCHANGE (AUTOMATIC)

174 PSI | 120 SCFM | SAFETY SÉCURITÉ | ERGONOMICS ERGONOMIE | STANDARD ATEX | DIRECTIVE RoHS

- Accept 1/2 TRUFLATE interchange plugs
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 120 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

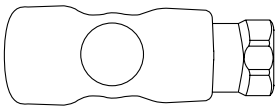
With a single push on the button, the plug is disconnected but held within the coupler



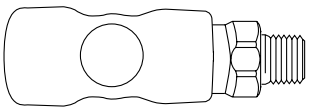
The plug can be removed safely



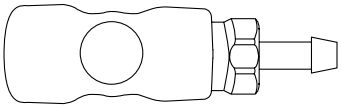




Product No	Female Thread
25.435	3/8 (F) NPT
25.475	1/2 (F) NPT
25.495	3/4 (F) NPT



Product No	Hose Barb
25.735	3/8 I.D.
25.775	1/2 I.D.

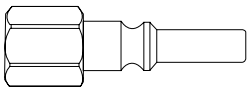


Product No	Male Thread
25.635	3/8 (M) NPT
25.675	1/2 (M) NPT
25.695	3/4 (M) NPT

L 1/4 LINCOLN INTERCHANGE PLUGS

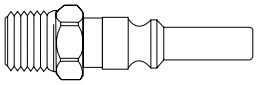
- Compatible with 1/4 LINCOLN couplers
- Hardened steel construction for strength and corrosion-resistant zinc plating
- Made according to industry standards to ensure compatibility





Product No	Female Thread
26.142	1/4 (F) NPT





Product No	Male Thread
26.242	1/4 (M) NPT

L 1/4 AUTOMAX QUICK COUPLERS LINCOLN INTERCHANGE (AUTOMATIC)

250 PSI

32 SCFM

- Accept 1/4 LINCOLN interchange plugs
- Automatic push-to-connect operation
- Heavy-duty, high-quality design
- Deep knurled sleeve for a better grip
- Efficient and secure connection using pin lock mechanism

Materials

Body: Brass

Backnut: Zinc plated steel

Sleeve: Zinc plated steel

Valve: Brass

Valve Spring: Stainless steel

Locking Mechanism: Hardened steel and zinc plated

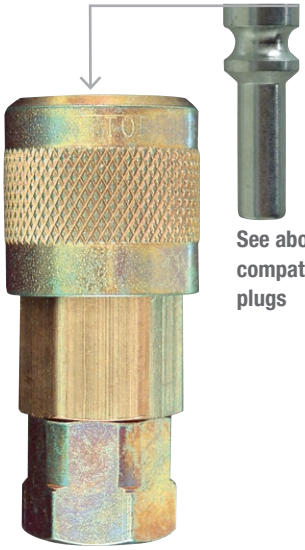
Seals: Nitrile rubber

Specifications

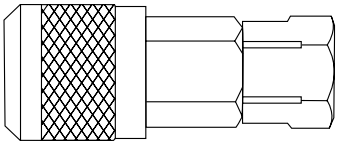
Maximum Working Pressure: 250 PSI

Working Temperature: -40 to 107 °C

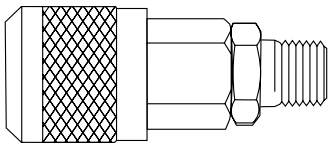
Airflow: 32 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



See above for compatible plugs



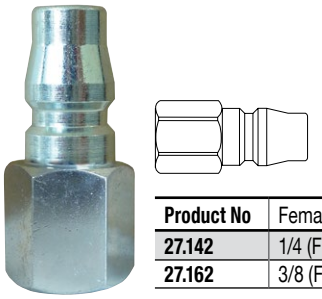
Product No	Female Thread
26.442	1/4 (F) NPT



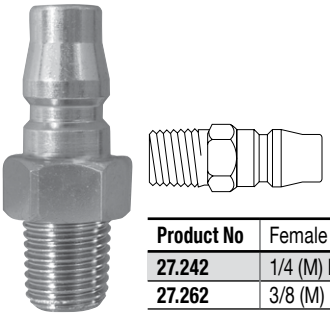
Product No	Male Thread
26.642	1/4 (M) NPT

N 7.8 NITTO INTERCHANGE PLUGS

- Compatible with NITTO couplers
- Hardened steel construction for strength and corrosion-resistant zinc plating
- Made according to industry standards to ensure compatibility



Product No	Female Thread
27.142	1/4 (F) NPT
27.162	3/8 (F) NPT



Product No	Female Thread
27.242	1/4 (M) NPT
27.262	3/8 (M) NPT

N 7.8 TOPQUIK SAFETY QUICK COUPLERS NITTO INTERCHANGE (AUTOMATIC)

175 PSI | 78 SCFM | SAFETY SÉCURITÉ

- Accept NITTO interchange plugs (Japanese standard)
- Automatic push-to-connect operation
- Prevent dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching delicate surfaces
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Super lightweight composite body contributes to ergonomics and safety
- Downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meet ISO 4414 safety standards
- Disconnection noise level of only 80 dB
- Leak-proof and reliable

Materials

Body: High-impact composite

Backnut: Nickel plated brass

Seals: Nitrile rubber

Specifications

Maximum Working Pressure: 175 PSI

Working Temperature: -15 to 80 °C

Airflow: 78 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

Slide the sleeve back to release downstream pressure

The plug is released but held within the coupler



Slide the sleeve forward

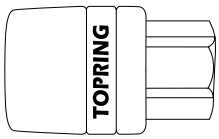
The plug is released completely



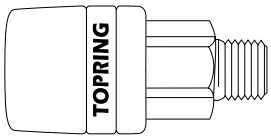


See above for compatible plugs

RED RING indicates NITTO interchange coupler



Product No	Female Thread
27.449	1/4 (F) NPT
27.469	3/8 (F) NPT
27.489	1/2 (F) NPT

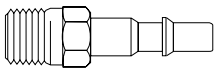


Product No	Male Thread
27.649	1/4 (M) NPT
27.669	3/8 (M) NPT

S 1/4 S 3/8 ISO 6150-C (STÄUBLI) INTERCHANGE PLUGS

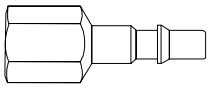
- Accept couplers 1/4 and 3/8 ISO 6150-C (STÄUBLI)
- Stainless steel body
- Made according to industry standards to ensure compatibility





Dimension	Product No	Male Thread
S1/4	30.073	1/4 (M) NPT
S3/8	30.083	1/4 (M) NPT
	30.085	3/8 (M) NPT





Dimension	Product No	Female Thread
S1/4	30.043	1/4 (F) NPT
S3/8	30.053	1/4 (F) NPT
	30.055	3/8 (F) NPT

S 1/4 S 3/8 ISOSAFE
SAFETY QUICK COUPLERS ISO 6150-C INTERCHANGE (AUTOMATIC)

S 1/4 — 175 PSI — 45 SCFM

S 3/8 — 145 PSI — 100 SCFM

SAFETY SECURITE

- Accept ISO 6150-C (STÄUBLI) interchange plugs
- Prevent dangerous hose whip through a two-step disconnection
- When the button is pressed, downstream pressure is automatically vented and disconnection is performed easily when pressing the button a second time
- Meet ISO 4414 safety standards
- Automatic push-to-connect operation
- Shock and crush resistant coupler for a long service life
- Leak-proof and reliable
- Stainless steel body available on request

Materials

Body: Aluminum

Backnut: Steel

Push Button: Stainless steel

Socket Valve: Brass

Seals: Nitrile rubber

Spring: Stainless steel

Specifications

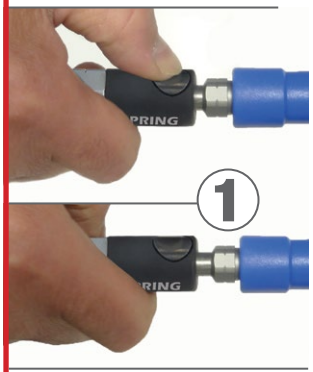
Maximum Working Pressure:
S1/4: 175 PSI / **S3/8:** 145 PSI

Working Temperature: -20 to 90 °C

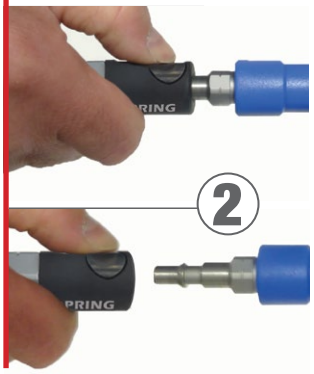
Airflow: S1/4: 45 SCFM / **S3/8:** 100 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

Press the button to secure the release of pressure / plug remains inside the coupler

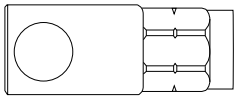


Press the button a second time for a safe disconnection

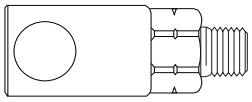


See above for compatible plugs





Dimension	Product No	Female Thread
S1/4	30.547	1/4 (F) NPT
S3/8	30.557	1/4 (F) NPT
	30.558	3/8 (F) NPT

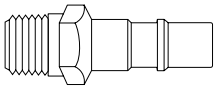


Dimension	Product No	Male Thread
S 1/4	30.877	1/4 (M) NPT
S 3/8	30.888	3/8 (M) NPT

S 3/4 ISO 6150-C (STÄUBLI) INTERCHANGE PLUGS

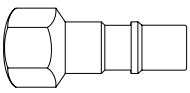
- Accept couplers S 3/4 ISO 6150-C (STÄUBLI)
- Nitrocarburized Steel body
- Made according to industry standards to ensure compatibility





Product No	Male Thread
30.039	3/4 (M) NPT





Product No	Female Thread
30.009	3/4 (F) NPT

S 3/4 TOPQUIK SC SAFETY QUICK COUPLERS ISO 6150-C PROFIL (MANUAL)

360 PSI | 175 SCFM | SAFETY SÉCURITÉ

- Accept ISO 6150-C (STÄUBLI) interchange plugs
- Prevent dangerous hose whip through a two-step disconnection making it safe
- Meet ISO 4414 safety standards
- Full-flow: tools work at maximal performance without having to increase the supply pressure
- Zero load pressure
  - Effortless connection because there is no pressure resistance
  - Safe disconnection because downstream pressure is automatically vented
- Low disconnection noise reduces workplace noise pollution
- Tenifer treated surface for better abrasion resistance

Materials

COUPLER

Black part: Steel, tenifer treated

Sleeve: Zinc diecast, nickel plated

Housing: Steel nickel plated

Cylinder: Surface hardened steel, nickel plated

Valve Spring: Stainless steel

Seal: Nitrile rubber

Other coupler components: Rubber coating

Specifications

Maximum Working Pressure: 360 PSI

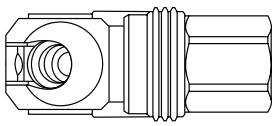
Maximum Connection/Disconnection Pressure: 200 PSI

Working Temperature: -20 to 100 °C

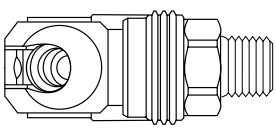
Airflow: 175 SCFM at 100 PSIG inlet with 10 PSIG pressure drop



See above for compatible plugs



Product No	Female Thread
30.897	3/4 (F) NPT



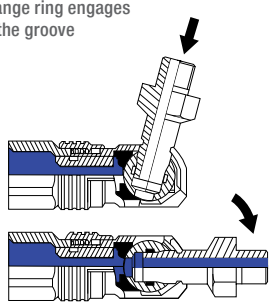
Product No	Male Thread
30.997	3/4 (M) NPT

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

CONNECTION

Push compatible plug into coupling and swing approximately 90° until the orange ring engages in the groove

1

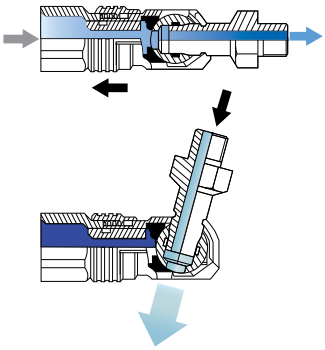


Pressure is in motion

DISCONNECTION

Pull back orange ring and swing plug to stop

2



In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated

E 7.8 ULTRAFLO INTERCHANGE PLUGS

- Accept European interchange couplers (CEJN 320)
- Hardened steel construction for strength and zinc plated for corrosion resistance
- Made according to industry standards to ensure compatibility
- High flow for better tool performance
- Threads sealant coating for airtight connections (31.648)



Product No	Female Thread
31.542	1/4 (F) NPT
31.562	3/8 (F) NPT



Product No	Male Thread
31.642	1/4 (M) NPT
31.662	3/8 (M) NPT



With Sealant

Product No	Male Thread
31.648	1/4 (M) NPT



Product No	Hose Barb
31.962	3/8 I.D.

E 10.4 MEGAFLO INTERCHANGE PLUGS

- Accept European interchange coupler (CEJN 410)
- Hardened nitrided steel for scratch and corrosion resistance
- Made according to industry standards and ISO standards to ensure compatibility
- Superior flow for better tool performance
- Conform with the exact dimensions and tolerances dictated by applicable standards



Product No	Female Thread
31.561	3/8 (F) NPT
31.581	1/2 (F) NPT
31.591	3/4 (F) NPT



Product No	Male Thread
31.661	3/8 (M) NPT
31.681	1/2 (M) NPT
31.691	3/4 (M) NPT



Product No	Hose Barb
31.981	1/2 I.D.

E 7.8

TOPQUIK S1
SAFETY QUICK COUPLERS ULTRAFLO (AUTOMATIC)

174 PSI | 73 SCFM | SAFETY SÉCURITÉ | ERGONOMICS ERGONOMIE | STANDARD • STANDARD • STANDARD ATEX | DIRECTIVE RoHS

- Accept European interchange plugs (CEJN 320)
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure is automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and oaptimal positioning

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 73 SCFM at 100 PSI inlet with 10 PSI pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

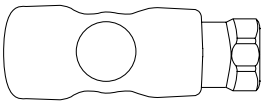
With a single push on the button, the plug is disconnected but held within the coupler



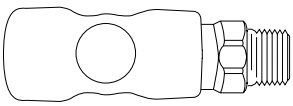
The plug can be removed safely



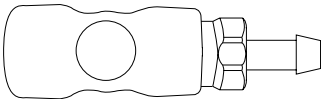




Product No	Female Thread
31.715	1/4 (F) NPT
31.735	3/8 (F) NPT



Product No	Male Thread
31.815	1/4 (M) NPT
31.835	3/8 (M) NPT
31.875	1/2 (M) NPT



Product No	Hose barb
31.915	1/4 I.D.
31.935	3/8 I.D.
31.975	1/2 I.D.

2 OUTLET MANIFOLD WITH TOPQUIK S1 QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
31.705	2 x 31.875 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

E 10.4

TOPQUIK S1
SAFETY QUICK COUPLERS MEGAFLO (AUTOMATIC)

174 PSI | 142 SCFM | SAFETY SÉCURITÉ | ERGONOMICS ERGONOMIE | STANDARD ATEX | DIRECTIVE RoHS

- Accept European interchange plugs (CEJN 410)
- Offer greater flow than comparable quick couplers
- Safe disconnection in a single push preventing the possibility of dangerous hose whips
- Downstream pressure automatically vented for easy disconnection at zero pressure
- Comply with the safety requirements of ISO 4414 standard
- ATEX certification classification 1 and 2 (gas) and classification 21 and 22 (dust)
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Non-marring coupler body prevents scratching delicate surfaces
- Resistant to abrasion, vibrations, corrosion, impacts and crushing
- Leak-free design reduces energy costs
- Swivel body allows quick installation and optimal positioning

Materials

Body: Polyester composite or stainless steel / Anti-static / ATEX compliant

Locking Mechanism: Stainless steel with anti-corrosion treatment

Other coupler components: Steel or aluminum / anti-corrosion / RoHS compliant

Seals: Nitrile rubber

Push button: Polyester composite

Specifications

Maximum Working Pressure: 174 PSI

Working Temperature: -15 to 70 °C

Airflow: 148 SCFM at 100 PSI inlet with 10 PSI pressure drop

SAFE DISCONNECTION IN ONE SINGLE PUSH

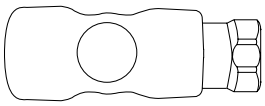
With a single push on the button, the plug is disconnected but held within the coupler



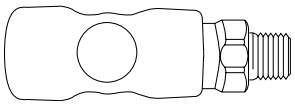
The plug can be removed safely



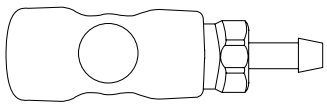




Product No	Female Thread
31.765	3/8 (F) NPT
31.785	1/2 (F) NPT
31.795	3/4 (F) NPT



Product No	Male Thread
31.865	3/8 (M) NPT
31.885	1/2 (M) NPT
31.895	3/4 (M) NPT



Product No	Hose Barb
31.965	3/8 I.D.
31.985	1/2 I.D

E 7.8

TOPQUIK SC
SAFETY QUICK COUPLERS ULTRAFLO (MANUAL)

360 PSI | 70 SCFM | SAFETY

- Accept European interchange plugs (CEJN 320)
- Prevent dangerous hose whip through a two-step disconnection making it safe
- Meet ISO 4414 safety standards
- Full-flow: tools work at maximal performance without having to increase the supply pressure
- Zero load pressure
  - Effortless connection because there is no pressure resistance
  - Safe disconnection because downstream pressure is automatically vented
- Low disconnection noise reduces workplace noise pollution
- Tenifer treated surface for better abrasion resistance

Materials

Black part: Steel, tenifer treated
Sleeve: Zinc diecast, nickel plated
Housing: Steel nickel plated
Cylinder: Surface hardened steel, nickel plated
Valve Spring: Stainless steel
Seal: Nitrile rubber
Other coupler components: Rubber coating

Specifications

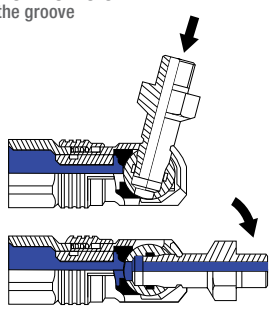
Maximum Working Pressure: 360 PSI
Maximum Connection/Disconnection Pressure: 217 PSI
Working Temperature: -20 to 100 °C
Airflow: 70 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

CONNECTION

Push compatible plug into coupling and swing approximately 90° until the orange ring engages in the groove

1

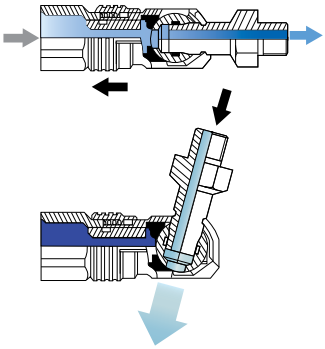


Pressure is in motion

DISCONNECTION

Pull back orange ring and swing plug to stop

2

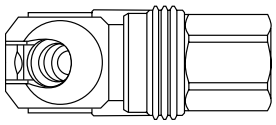


In order to prevent the hose from ejecting dangerously, the plug must be held in the hand until the hose is completely ventilated

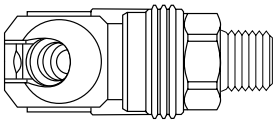
Compatible plugs at the beginning of Series 31







Product No	Female Thread
31.447	1/4 (F) NPT
31.467	3/8 (F) NPT
31.487	1/2 (F) NPT



Product No	Male Thread
31.347	1/4 (M) NPT
31.367	3/8 (M) NPT
31.387	1/2 (M) NPT

E 7.8

TOPQUIK
SAFETY QUICK COUPLERS ULTRAFLO (AUTOMATIC)

174 PSI | 59 SCFM | SAFETY

- Accept European interchange plugs (CEJN 320)
- Automatic push-to-connect operation
- Prevent dangerous hose whip through a two-step disconnection
- Shock and crush resistant coupler provides exceptionally long service life
- Non-marring coupler body prevents scratching delicate surfaces
- Silicone-free composite body prevents the risk of compressed air contamination during paint or varnish applications
- Super lightweight composite body contributes to ergonomics and safety
- Downstream pressure is automatically vented and disconnection is performed easily at zero pressure
- Meet ISO 4414 safety standards
- Disconnection noise level of only 80 dB
- Leak-proof and reliable

Materials

Body: High-impact composite

Backnut: Nickel plated brass

Seals: Nitrile rubber

Specifications

Maximum Working Pressure: 174 PSI

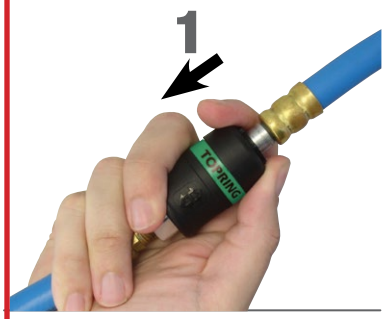
Working Temperature: -15 to 70 °C

Airflow: 59 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

SAFETY SOLUTION WITH A TWO-STEP DISCONNECTION

Slide the sleeve back to release downstream pressure

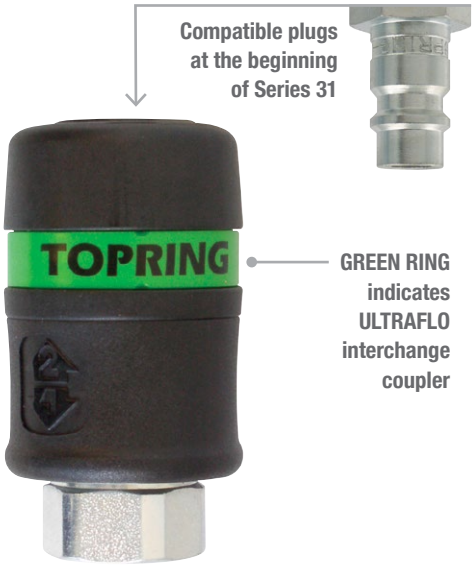
The plug is released but held within the coupler

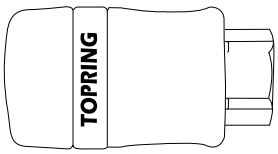


Slide the sleeve forward

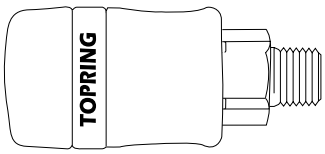
The plug is released completely







Product No	Female Thread
31.749	1/4 (F) NPT
31.769	3/8 (F) NPT
31.789	1/2 (F) NPT



Product No	Male Thread
31.849	1/4 (M) NPT
31.869	3/8 (M) NPT
31.889	1/2 (M) NPT

2 OUTLET MANIFOLD WITH TOPQUIK QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
31.710	2 x 31.889 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

E 7.8

QUIKSILVER QUICK COUPLERS ULTRAFLO (AUTOMATIC)

362 PSI

80 SCFM

- Accept European interchange plugs (CEJN 320)
- High-flow ULTRAFLO design provides superior tool performance
- Light and compact with performance similar to 3/8 couplers
- High-flow valve eliminates pressure drop and choking, offering more air than most comparable couplers
- Provides energy savings, increased productivity and superior tool efficiency
- Sleeve guard prevents accidental disconnection
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Efficient and secure connection using ball locking mechanism
- Ideal for all high-flow tool applications, general pneumatic applications: automotive service shops, tire shops and paint shops (HVLP)

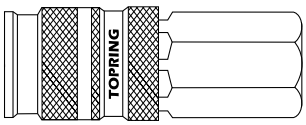
Materials

Body: Zinc plated steel
Drag Guard: Zinc plated steel
Valve: Acetal
Sleeve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel
Seals: Nitrile rubber

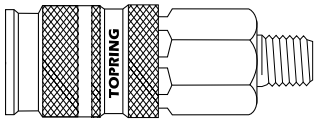
Specifications

Maximum Working Pressure: 362 PSI
Working Temperature: -20 to 60 °C
Airflow: 80 SCFM at 100 PSIG inlet with 10 PSIG pressure drop

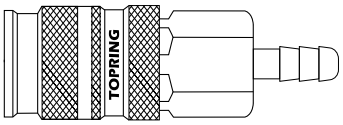




Product No	Female Thread
31.744	1/4 (F) NPT
31.764	3/8 (F) NPT
31.784	1/2 (F) NPT



Product No	Male Thread
31.844	1/4 (M) NPT
31.864	3/8 (M) NPT
31.884	1/2 (M) NPT



Product No	Hose Barb
31.944	1/4 I.D.
31.964	3/8 I.D.

2 OUTLET MANIFOLD WITH QUIKSILVER QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
31.709	2 x 31.884 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

E 7.8

QUIKSILVER 2 QUICK COUPLERS ULTRAFLO (AUTOMATIC)

362 PSI

80 SCFM

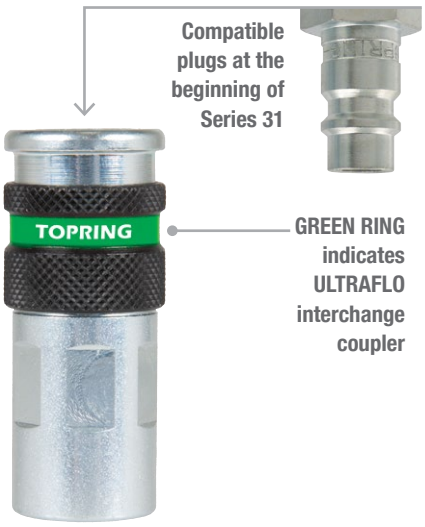
- Accept European interchange plugs (CEJN 320)
- Compact design
- Automatic push-to-connect operation with efficient and secure connection using ball locking mechanism
- High-flow ULTRAFLO design provides superior tool performance
- Lightweight and compact with performance similar to 3/8 couplers
- High-flow valve eliminates pressure drops and throttling
- Provide energy savings, increased productivity and superior tool efficiency
- Sleeve guard prevents accidental disconnections
- Deep knurled sleeve for a better grip
- Ideal for all high-flow tool applications, general pneumatic applications: automotive service shops, tire shops and paint shops (HVLP)

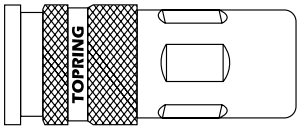
Materials

Body: Zinc plated steel
Drag Guard: Zinc plated steel
Valve: Acetal
Sleeve: Zinc plated steel
Valve Spring: Stainless steel
Locking Mechanism: Hardened steel
Seals: Nitrile rubber

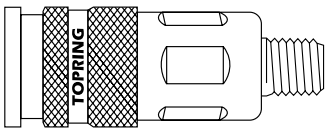
Specifications

Maximum Working Pressure: 362 PSI
Working Temperature: -20 to 60 °C
Airflow: 80 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
31.746	1/4 (F) NPT
31.766	3/8 (F) NPT
31.786	1/2 (F) NPT



Product No	Male Thread
31.846	1/4 (M) NPT
31.866	3/8 (M) NPT
31.886	1/2 (M) NPT

2 OUTLET MANIFOLD WITH QUIKSILVER 2 QUICK COUPLERS AND DRAIN



Product No	Description	Inlet ①
31.725	2 x 31.886 • coupler 1/2 (M) NPT 1 x 47.611 • manifold	1/2 (F) NPT

E 7.8 AUTOMAX QUICK COUPLERS ULTRAFLO (AUTOMATIC)

200 PSI

50 SCFM

- Accept European interchange plugs (CEJN 320)
- High-flow ULTRAFLO design provides superior tool performance
- Provides energy savings, increased productivity and superior tool efficiency
- Sleeve guard protects against accidental disconnection when the coupler is dragged across the floor or over obstructions
- Automatic push-to-connect operation
- Easy to connect, even under pressure
- Efficient and secure connection using ball locking mechanism
- Ideal for all high-flow tool applications, general pneumatic applications: automotive service shops, tire shops and paint shops (HVLP)

Materials

Body: Nickel plated steel

Sleeve: Nickel plated steel

Valve: Nickel plated steel

Valve Spring: Zinc plated steel

Locking Mechanism: Hardened and nickel plated steel

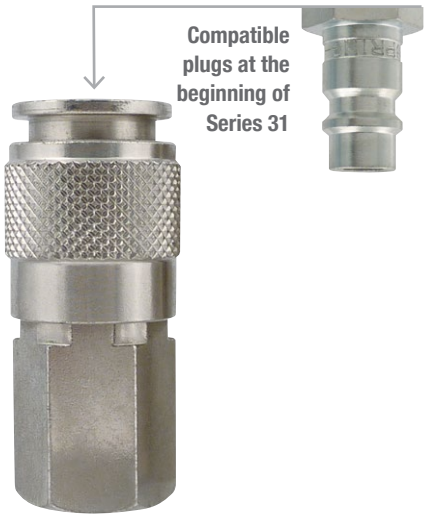
Seals: Nitrile rubber

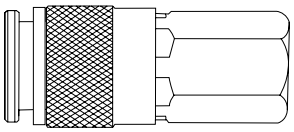
Specifications

Maximum Working Pressure: 200 PSI

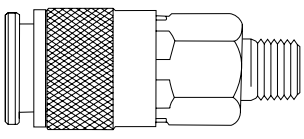
Working Temperature: -40 to 100 °C

Airflow: 50 SCFM at 100 PSIG inlet with 10 PSIG pressure drop





Product No	Female Thread
31.742	1/4 (F) NPT



Product No	Male Thread
31.842	1/4 (M) NPT

E
7.8

AUTOMAX SLIM
QUICK COUPLERS ULTRAFLO
(AUTOMATIC)

150 PSI

60 SCFM

- Accept European interchange plugs (CEJN 320)
- Automatic push-to-connect operation
- High airflow
- 33% lighter than a regular coupler
- Compact design prevents accidental disconnection
- One hand disconnection
- Corrosion-resistant brass
- Deep knurled sleeve for a better grip
- Efficient and secure connection using ball locking mechanism

Materials

Body: Brass

Sleeve: Brass

Valve: Brass

Valve Spring: Steel

Locking Mechanism: Steel

Sealant: Pre-applied sealant coating for an airtight connection (31.843)

Specifications

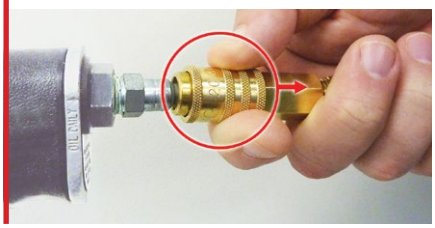
Maximum Working Pressure: 150 PSI

Working Temperature: -20 to 80 °C

Airflow: 60 SCFM to 100 PSIG inlet with 10 PSIG pressure drop

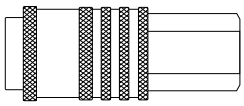
ONE HAND
DISCONNECTION

Hold coupler with 3 fingers
Remove sleeve with thumb and index





Compatible plugs at the beginning of Series 31



Product No	Female Thread
31.743	1/4 (F) NPT

CAUTION

It is not recommendedto use SLIM quick couplers with impact air tools unless an anti-hose whip is installed between the tool and the coupler.

For more information, see series 62.

E 7.8 QUIKSILVER ULTRAFLO

AIR TOOL CONNECTION KIT (AUTOMATIC)

Ideal for both tool and supply connection to an air hose and tool



Product No	Description
31.704C	1 x 31.744 • coupler 1/4 (F) NPT
	1 x 31.542 • plug 1/4 (F) NPT
	1 x 31.642 • plug 1/4 (M) NPT

AIR TOOL CONNECTION KIT (AUTOMATIC)

Ideal for connecting a tool to an air hose



Product No	Description
31.711C	1 x 31.744 • coupler 1/4 (F) NPT
	1 x 31.642 • plug 1/4 (M) NPT

E 7.8 AUTOMAX ULTRAFLO KIT

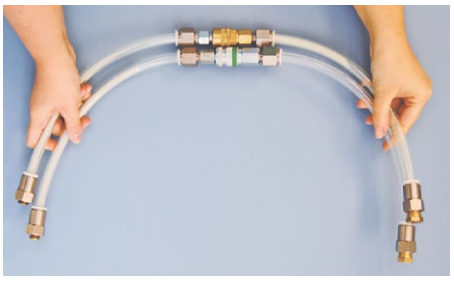
AIR TOOL CONNECTION KIT (AUTOMATIC)

Ideal for connecting a tool to an air hose



Product No	Description
31.731C	1 x 31.742 • coupler 1/4 (F) NPT
	1 x 31.642 • plug 1/4 (M) NPT

ULTRAFLO DEMO KIT



Glass beads run through the connection to demonstrate the superior airflow offered by **ULTRAFLO** quick couplers compared to **1/4 INDUSTRIAL** couplers.

Product No
96.150

S20 • 1/4 INDUSTRIAL



5.5 mm
24-37 SCFM

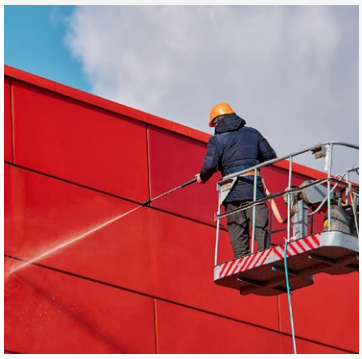
S31 • ULTRAFLO

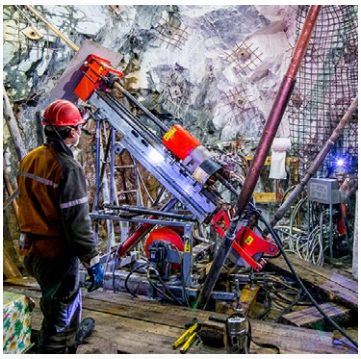
ULTRAFLO couplers increase tool performance



7.8 mm
50-80 SCFM

Pressure washer couplers and hydraulic couplers






Group 3 • Series 28-29

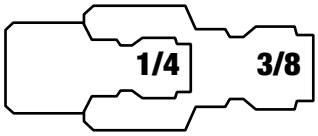
TOPRING

Compressed air solutions

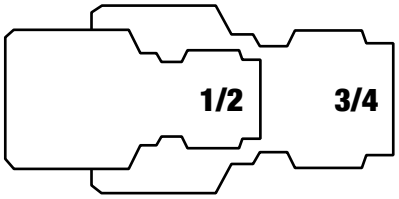
TOPRING PLUG PROFILES
Profile type / Series

SERIES 28 • STRAIGHT THROUGH
(ACTUAL SIZE)

1/4 NPT 3/8 NPT

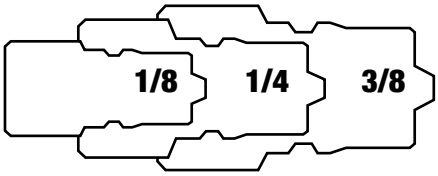


1/2 NPT 3/4 NPT

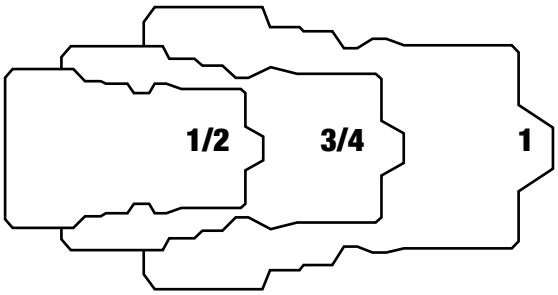


SERIES 29 • HYDRAULIC
(ACTUAL SIZE)

1/8 NPT 1/4 NPT 3/8 NPT



1/2 NPT 3/4 NPT 1 NPT



1/4 NPT **3/8 NPT** **1/2 NPT** **3/4 NPT**

PRESSURE WASHER COUPLERS (MANUAL)



- Automatic fluid drainage during disconnection
- Manual connection, without valve
- Maximized airflow with full flow port
- Resistant to harsh working conditions
- For high pressure water washers, high pressure steam washers, low pressure water washers, water distribution systems, cleaning lines and machines, food processing and wash down gun connection

Materials

Brass Coupler
Body: Brass
Locking mechanism: Stainless steel 304
Seals: Rubber nitrile

Stainless Steel Coupler
Body: Stainless steel 304
Locking mechanism: Stainless steel 304
Seals: FKM (Viton) fluoroelastomer

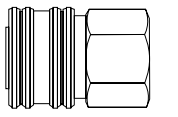
Specifications

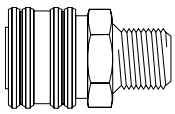
Working Temperature:
Brass: -25 to 125 °C
Stainless steel: -20 to 200 °C



PERFORMANCE SPECIFICATIONS

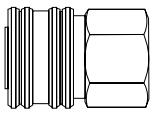
I.D. in	Maximum Working Pressure PSI: Brass	Maximum Working Pressure PSI: Stainless Steel	GPM Max Flow
1/4	5200	6700	1.585
3/8	2700	5500	3.17
1/2	2200	3000	3.17
3/4	1700	3000	7.397

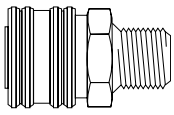




Brass Coupler

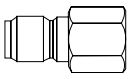
Product No	Female Thread
28.843	1/4 (F) NPT
28.863	3/8 (F) NPT
28.883	1/2 (F) NPT
28.893	3/4 (F) NPT
Product No	Male Thread
28.943	1/4 (M) NPT
28.963	3/8 (M) NPT
28.983	1/2 (M) NPT
28.993	3/4 (M) NPT

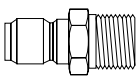




Stainless Steel Coupler

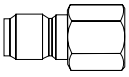
Product No	Female Thread
28.844	1/4 (F) NPT
28.864	3/8 (F) NPT
28.884	1/2 (F) NPT
28.894	3/4 (F) NPT
Product No	Male Thread
28.944	1/4 (M) NPT
28.964	3/8 (M) NPT
28.994	3/4 (M) NPT

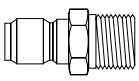




Brass Plug

Product No	Female Thread
28.143	1/4 (F) NPT
28.163	3/8 (F) NPT
28.183	1/2 (F) NPT
28.193	3/4 (F) NPT
Product No	Male Thread
28.243	1/4 (M) NPT
28.263	3/8 (M) NPT
28.283	1/2 (M) NPT
28.293	3/4 (M) NPT





Stainless Steel Plug

Product No	Female Thread
28.144	1/4 (F) NPT
28.164	3/8 (F) NPT
28.184	1/2 (F) NPT
28.194	3/4 (F) NPT
Product No	Male Thread
28.244	1/4 (M) NPT
28.264	3/8 (M) NPT
28.284	1/2 (M) NPT
28.294	3/4 (M) NPT

CAUTION

These couplers and plugs should never be connected or disconnected under pressure

1/8 NPT | 1/4 NPT | 3/8 NPT | 1/2 NPT | 3/4 NPT | 1 NPT

HYDRAULIC COUPLERS (MANUAL)



- Automatically seals when disconnected
- No loss of liquid during disconnection
- Manual connection, with double shut-off valve
- Corrosion resistant internal components
- Compatible with ISO-B (7241) interchange plugs
- For hydraulics and plastic injection moulding, for foresting, mining, construction, excavation and agriculture industries

Materials

Steel Coupler
Body: Zinc plated steel
Locking mechanism: Stainless steel 304
Seals: Rubber nitrile

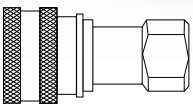
Brass Coupler
Body: Brass
Locking mechanism: Stainless steel 304
Seals: FKM (Viton) fluoroelastomer

Stainless steel Coupler
Body / Locking mechanism: Stainless steel 304
Seals: FKM (Viton) fluoroelastomer

Specifications

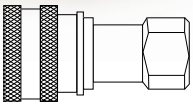
Working Temperature:
Steel: -25 to 125 °C
Brass and stainless steel: -20 to 200 °C





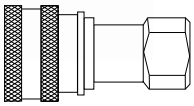
Steel Coupler

Product No	Female Thread
29.922	1/8 (F) NPT
29.942	1/4 (F) NPT
29.962	3/8 (F) NPT
29.982	1/2 (F) NPT
29.992	3/4 (F) NPT
29.995	1 (F) NPT



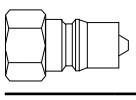
Brass Coupler

Product No	Female Thread
29.923	1/8 (F) NPT
29.943	1/4 (F) NPT
29.963	3/8 (F) NPT
29.983	1/2 (F) NPT
29.993	3/4 (F) NPT
29.996	1 (F) NPT



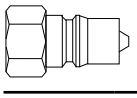
Stainless Steel Coupler

Product No	Female Thread
29.944	1/4 (F) NPT
29.964	3/8 (F) NPT
29.984	1/2 (F) NPT
29.994	3/4 (F) NPT



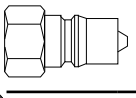
Steel Plug

Product No	Female Thread
29.122	1/8 (F) NPT
29.142	1/4 (F) NPT
29.162	3/8 (F) NPT
29.182	1/2 (F) NPT
29.192	3/4 (F) NPT
29.195	1 (F) NPT



Brass Plug

Product No	Female Thread
29.123	1/8 (F) NPT
29.143	1/4 (F) NPT
29.163	3/8 (F) NPT
29.183	1/2 (F) NPT
29.193	3/4 (F) NPT
29.196	1 (F) NPT



Stainless Steel Plug

Product No	Female Thread
29.144	1/4 (F) NPT
29.164	3/8 (F) NPT
29.184	1/2 (F) NPT
29.194	3/4 (F) NPT

Other sizes available upon request

PERFORMANCE PECIFICATIONS

I.D. in	Maximum Working Pressure PSI		
	Steel	Brass	Stainless steel
1/8	7500	3175	---
1/4	6750	2900	5075
3/8	4500	2175	3900
1/2	5250	2450	4625
3/4	3625	1450	3750
1	4500	2025	---

I.D. in	GPM Max Flow		
	Steel	Brass	Stainless steel
1/8	1.3	1.6	---
1/4	4.5	4.2	3.08
3/8	13.2	6.6	5.9
1/2	19.8	15.9	15.9
3/4	50.2	29	29.1
1	71.4	39.6	---

CAUTION

These couplers and plugs should never be connected or disconnected under pressure

Hose clamps









Group 4 • Series 48

TOPRING

Compressed air solutions

STAINLESS STEEL HOSE CLAMPS

- Used for tightening rubber and PVC air hoses
- Ideal for maintenance applications
- Easy to install
- Can be removed and reused
- Offer maximum resistance to corrosion

Material
301 Stainless Steel



Product No	Tightening Range		Band Width	
	mm	inch	mm	inch
48.200	6 - 16	1/4 - 5/8	8.0	5/16
48.202	8 - 22	5/16 - 7/8	8.0	5/16
48.204	9.5 - 22	3/8 - 7/8	12.7	1/2
48.206	11 - 25	7/16 - 1	12.7	1/2
48.208	16 - 27	5/8 - 1-1/16	12.7	1/2
48.210	13 - 32	1/2 - 1-1/4	12.7	1/2
48.212	21 - 38	13/16 - 1-7/16	12.7	1/2
48.220	21 - 44	13/16 - 1-3/4	12.7	1/2
48.222	27 - 51	1-1/16 - 2	12.7	1/2
48.224	33 - 57	1-5/16 - 2-3/16	12.7	1/2
48.226	40 - 64	1-9/16 - 2-1/2	12.7	1/2
48.228	46 - 70	1-3/4 - 2-3/4	12.7	1/2
48.230	51 - 76	2 - 3	12.7	1/2

TECH TIP

Select a hose clamp diameter larger than the outside diameter (O.D.) of the air hose on which the hose clamp will be used

TWO-EAR HOSE CLAMPS

- One-piece design offers strong clamping action without damage to air hose or tubing
- Rubber and PVC air hoses are easily clamped
- Quick assembly using a crimping pincer
- Widely used with compressed air, liquid and gas lines

Material

Zinc plated steel

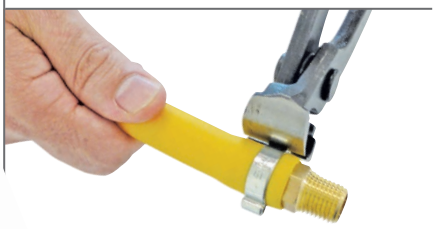
INSTALLATION

One ear must be clamped completely.

When the second ear is closed, the first ear will open slightly.

This creates a springlike action which prevents against vibrations, pressure and air hose shrinking caused by temperature changes or wear.







Product No	Tightening Range		Band Width	
	mm	inch	mm	inch
48.304	3 - 5	1/8 - 3/16	6	1/4
48.306	5 - 7	3/16 - 9/32	6	1/4
48.308	7 - 9	9/32 - 11/32	7	9/32
48.310	9 - 11	11/32 - 7/16	7	9/32
48.314	11 - 13	7/16 - 1/2	7	9/32
48.316	13 - 15	1/2 - 19/32	7.5	19/64
48.318	14 - 17	9/16 - 11/16	7.5	19/64
48.320	15 - 18	19/32 - 23/32	7.5	19/64
48.322	17 - 20	11/16 - 25/32	7.5	19/64
48.324	18 - 21	23/32 - 27/32	7.5	19/64
48.326	20 - 23	25/32 - 29/32	9	11/32
48.328	22 - 25	7/8 - 1	9	11/32
48.330	23 - 27	29/32 - 1-1/16	9	11/32
48.332	25 - 28	1 - 1-3/32	9	11/32
48.334	28 - 31	1-3/32 - 1-7/32	9.5	3/8
48.338	31 - 34	1-7/32 - 1-11/32	9.5	3/8
48.340	34 - 37	1-11/32 - 1-3/8	9.5	3/8
48.342	37 - 40	1-3/8 - 1-9/16	10	13/32
48.344	40 - 43	1-9/16 - 1-11/16	10	13/32
48.346	43 - 46	1-11/16 - 1-13/16	10	13/32

TECH TIP

Select a hose clamp diameter larger than the outside diameter (O.D.) of the air hose on which the hose clamp will be used

TWO-EAR HOSE CLAMP KIT

- Ideal for regular service or emergency use
- Most commonly used sizes of two-ear hose clamps with crimping pincer in a plastic case



Product No	Description
48.900	Two ear hose clamp kit with crimping pincer

KIT CONTAINS:

10 x 48.308 (7-9 mm)
10 x 48.310 (9-11 mm)
10 x 48.314 (11-13 mm)
10 x 48.316 (13-15 mm)
10 x 48.320 (15-18 mm)
10 x 48.322 (17-20 mm)
10 x 48.326 (20-23 mm)
10 x 48.330 (23-27 mm)
1 x 48.600 crimping pincer

PIPE CUTTER

- Used to cut hose and polyamide piping up to 30 mm diameter
- Allows straight, precise and even cutting
- Hook keeps cutter closed after use
- Safe way to cut a pipe or air hose





Product No	Description
36.100	Hose cutter

CRIMPING PINCER

- For pinching of two-ear hose clamps





Product No	Description
48.600	Crimping pincer

Blow guns and spray guns







Group 4 • Series 60-61

TOPRING

Compressed air solutions

BLOW GUNS

THINGS TO CONSIDER BEFORE SELECTING A BLOW GUN

Blow guns blow compressed air and are used for several tasks such as:

- Cleaning
- Drying and dusting on workpieces and work surfaces
- Drying parts or scraps in a manufacturing process

There is a large array of models with different features and benefits. Here are some guidelines for choosing the ideal model for each type of application.

1. COMPLIANCE WITH SAFETY STANDARDS

Most blow guns, require working pressures between 80 and 120 PSI for optimum performance. Blow guns are to be used with caution. They can cause serious injury and blown debris can damage the equipment. This is why the OSHA and other safety organizations have issued rules regarding outlet pressure, shields and noise when using compressed air blow guns. User should never use these accessories to "clean" themselves.

Risks associated with the exit pressure

Section 326 of the Occupational Health and Safety Regulations states that the air pressure used for cleaning must be less than 30 PSI. In fact, a blow gun is said to be "safe" when the air pressure measured at the nozzle, when it is blocked, does not exceed 30 PSI. This pressure limit reduces the risk of particles or air entering the skin.

See also the general guidelines from OSHA 29CFR article 1910.242 (b),
RSST Chap. S-2.1, r.13 D. 885-2001, Art. 325 and 326
Hand tools and portable equipment, STD 1-13.1 (OSHA No. 100-1)

TOPRING offers 2 types of safety blow guns:

1) Side openings on the nozzle: allow the air to escape to the sides in case of obstruction of the head of the nozzle
2) Ultra-safe models with shut-off valve: a valve located inside the blow gun mechanism will automaticaly limit outlet pressure to below 30 PSI in case of obstruction

To meet these standards, a safe blow gun must be used. All safety models are identified with the safety logo in the catalogue.

There is an alternative to blow guns for user cleaning: **safety personal cleaning units**. In accordance with OSHA requirements, they clean quickly and efficiently with a vacuum brush equipped with an air stirrer. In addition to being safe for users, these units are without an electric motor and do not produce any sparks **(see Series 66)**.

The risks associated with blown debris

When using blow guns in restricted areas, users may get debris in their face which can cause serious injuries.

For such operations, OSHA and other Health and Safety Agencies require users to be properly protected.

Several **TOPRING** safety blow gun have an air cone nozzle to protect against debris. Vacuum cleaners remain the safest option for debris pick-up **(see Series 67)**.

Exposure to excessive noise

Excessive noise in the workplace is a health hazard. To address this issue, OSHA and other Health and Safety Agencies have established standards for acceptable limits for daily exposure to noise. See general instructions OSHA 29CFR 1910.95 (A) Exposure to noise at work.

Since the blow guns can produce high noise levels, the use of low sound level blow guns is recommended. **TOPRING** blow guns with low noise levels are identified by a logo with the mention "NOISE REDUCTION".

2. THE TYPE OF USE

Depending on the nature of the work to be carried out, a blow gun nozzle can be prefered to another.

- Venturi nozzle: for a powerful air jet
- Flat nozzle: propels a jet of air to a precise area
- Silent nozzle: maximum noise reduction and energy saving
- Anti-scratch nozzle: to protect delicate surfaces
- Nozzle with protective screen: protects against flying debris
- Startip nozzle: for a concentrated air jet
- Long nozzle: for hard to reach areas
- Needle nozzle: for inflation

3. THE REQUIRED AIR THRUST

The output thrust is indicated in pounds. The greater the thrust force is needed, the greater the SCFM consumption (air flow) is required.
For applications requiring high thrust, it is recommended to use **TOPRING**'s "High Performance" blow guns. These blow guns can push up to 3.3 pounds and air guns (**TYPHOON** and **INFORCER** models) up to 13.5 lbs.

OSHA REGULATIONS

29CFR Part 1910.242 (b)

"Hand and portable powered tools and equipment, general. Compressed air used for cleaning. Compressed air shall not be used for cleaning = purposes except where reduced to less than 30 PSI and then only with effective chips guarding and personal protective equipment."

OSHA Instruction STD 1-13.1
October 30, 1978
Office of Program Operations
February 14, 1972
OSHA PROGRAM DIRECTIVE N° 100-1

To: National and Field Offices
Subject: Reduction of Air Pressure Below 30 PSI for Cleaning Purposes
Attachment: Acceptable Methods for Complying with 41 CFR 50-204.8 and 29 CFR 1910.242(b)

1. Purpose

To provide guidance and examples of what alternate systems will meet the requirements of this section, and to clarify its intent.

2. Background

A number of inquiries have been received requesting a clarification of the meaning of 1910.242(b) also known as 41 CFR 50-2048 under the Walsh-Healey Act.

3. Interpretation

The expression ''Reduced to less than 30 psi means that air pressure at the outlet of the tool used for cleaning will always stay below 30 psi, even if the air is blocked. Blocking the air is defined as pressing the tool's outlet against a flat surface. It doesn't include wrapping a hand or object around the outlet tube, or inserting it into an orifice. This distinction is important, because several safety devices for blow guns (Venturi, Coanda, StarTip nozzles) limit outlet pressure to below 30 psi by offering lateral openings through which air can escape if the outlet is blocked. Blocking the side openings would cause a dangerous rise in pressure and disable the tool's safety device.

''Effective chip guarding'' means a device that prevents debris from being projected towards the operator's eyes or skin, or towards bystanders. A chip guard can be installed remote from the tool, (ex : screens or panels), or integrated within the tool (ex : nozzles with conical air shield or retrofit shield). An integrated protector is a generally acceptable means of protecting the operator, but remote screens or shields may be necessary to protect bystanders. In every case, the minimum requirement for using an air tool is that the operator wears personal protection (goggles, face shield, etc).

4. Action

Inquiries about the subject section should be handled in accordance with this instruction.

5. Effective Date

This instruction is effective immediately, and will remain in effect until canceled or superseded.

Director of Program Operations

29CFR Section 1910.95 (a)
Occupational noise exposure.

Protection against the effects of noise exposure shall be provided when the sound levels exceed those shown in Table G-16 when measured on the A scale of a standard sound levels meter at slow response.

Table G-16 Permissible Noise Exposures

Duration per day, hours	8.0	6.0	4.0	3.0	2.0	1.5	1.0	0.5	0.25
Sound level dBAslow response	90	92	95	97	100	102	105	110	115

AIRPRO
BLOW GUNS

General features and benefits

AIRFLOW ADJUSTMENT
- Control mechanism allows progressive and smooth adjustment of compressed airflow
- Airflow can be regulated simply by squeezing and releasing the lever hand

HIGH AIRFLOW
- High flow for maximum blowing power

SAFETY BLOW GUNS
- Manufactured to meet OSHA and other Health and Safety Agencies' Standards, ensuring output pressure less than 30 PSI even with complete obstruction of nozzle (inlet pressure of 120 PSI)

HIGH RESISTANCE, HIGH STRENGTH
- Polymer material construction provides maximum durability
- High impact resistance and chemically inert

EASY CLEANING
- Highly resistant surface can be easily cleaned of oil and greases without solvents

EASY TO HANG
- Convenient built-in ring
- Inside of handle may be also used to hang up gun

ERGONOMIC DESIGN
- Nozzle and lever are ergonomically designed to reduce hand fatigue and help minimize carpal tunnel syndrome
- Air jet direction is aligned with forearm to avoid unnecessary strain
- Long lever for quick, comfortable grip, easy to squeeze even during prolonged use
- Lightweight body fits perfectly into the palm of the hand
- Comfortable slip-free hand grip with soft spring action
- Extended gap between lever and nozzle provides efficient safety guard for user's fingers
- Bent tube allows access to difficult-to-reach places

General applications

Clearing away chips and shavings, cleaning of parts and machines, blowing, drying and dust removal from parts and work areas.

For machine and woodworking shops, construction, lumber mills, paper mills, textile mills, foundries, transportation, bakeries and food processing, rubber and plastic manufacturing plants, general cleanup and maintenance

Materials

Body: Acetal plastic (POM)

Nozzle: Plated steel/stainless steel/Aluminum

Valve: Acetal plastic (POM)

Springs: Stainless steel

Seals: Nitrile rubber

Specifications

Working Temperature: -10 to 80 °C
(except 60.387, 60.388, 60.357 and 60.377: -10 to 60 °C)

Thread: 1/4 (F) NPT



CAUTION

Users should never use blow guns to clean themselves. A vacuum or a safety cleaning unit should be used instead.

AIRPRO
MAXIMUM SAFETY BLOW GUNS

TOPRING's ultra-safe blowguns exceed OSHA and other health and safety agency standards.

In the event of a nozzle blockage, the safety regulator located inside the blow gun will limit the outlet pressure to a safety standard of less than 30 PSI.

This way, the user will never be exposed to a dangerous jet of air on their skin.

When the nozzle is clearded, the safety regulator will re-engage to allow the air to continue flowing.

- The safest blow gun available on the market
- Powerful airflow and low noise level
- A tamper-proof safety regulator built into the mechanism automatically limits the pressure at the outlet of the nozzle to a preset, safe level if the nozzle is obstructed
- Model available with a rubber nozzle eliminating the risk of scratches on delicate surfaces (60.385)

Specifications

Noise Level at 87 PSI: 67 dB

Air Consumption at 87 PSI: 4.2 SCFM

Maximum Working Pressure: 232 PSI

Maximum Output Thrust at 116 PSI: 0.24 lbf

Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

MAXIMUM SAFETY, A UNIQUE CONCEPT

In the event of a nozzle obstruction, a safety regulator located inside the blow gun mechanism immediately blocks the pressure at the air outlet.





Product No	Description
60.385	With 8 mm x 10 cm (4") tube and rubber nozzle - Red
60.389	With 8 mm x 10 cm (4") tube - Red

CHIP GUARD SHIELD

Protects the user against the return of particles.

Fits easily on many AIRPRO blow guns.



Product No	Description
60.296	Chip guard shield

AIRPRO
MAXIMUM SAFETY BLOW GUN

- The safest blow gun available on the market
- Powerful airflow and low noise level
- A tamper-proof safety regulator built into the mechanism automatically limits the pressure at the outlet of the nozzle to a preset, safe level if the nozzle is obstructed
- Also available non-restricted pink blow gun with 6 mm tube (60.320R)

Specifications

Noise Level at 87 PSI: 67 dB
Air Consumption at 87 PSI: 4.2 SCFM
Maximum Working Pressure: 232 PSI
Maximum Output Thrust at 116 PSI: 0.24 lbf
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

A Pink Blow Gun for the Cause

SPECIAL AND LIMITED EDITION!

3 $ per pink air blow gun sold will be donated by Topring to the fight against breast cancer.

The funds raised will be used, among other things, to finance free support programs for those affected.



Product No	Description
60.389R	Maximum safety pink blow gun with 8 mm x 10 cm (4") tube

AIRPRO
SAFETY BLOW GUNS WITH *StarTip* NOZZLE

- Powerful safety blow gun
- Noise reduction of nearly 20 decibels from conventional blow guns
- Slim design allows access to narrow spaces
- Corrosion-resistant stainless steel tube model for harsh or aggressive environments

Specifications

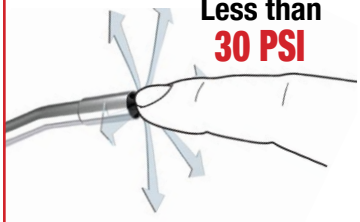
Noise Level at 87 PSI: 76.8 dB
Air Consumption at 87 PSI: 8.6 SCFM
Maximum Working Pressure: 174 PSI
Maximum Output Thrust at 116 PSI: 0.66 lbf
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

StarTip NOZZLE



StarTip Nozzle offers a concentrated airflow for maximum efficiency.



If the tip of the nozzle is blocked, the airflow escapes through the holes around the nozzle and the static pressure remains under 30 PSI



Product No	Description
60.357	With 6 mm tube x 10 cm (4") - Blue
60.377	With 8 mm tube x 10 cm (4") - Red

AIRPRO
HIGH FLOW SAFETY BLOW GUNS WITH VENTURI NOZZLE

- Powerful safety blow guns
- Venturi nozzle increases the available thrust

Specifications

Noise Level at 87 PSI:
83.7 dB (60.350: 79.7 dB)

Air Consumption at 87 PSI:
8.3 SCFM (60.350: 7.5 SCFM)

Maximum Working Pressure: 232 PSI

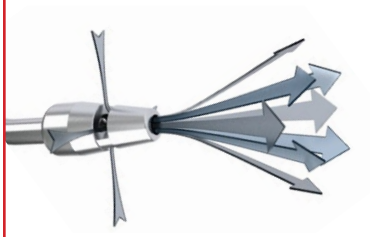
Maximum Output Thrust at 116 PSI:
0.72 lbf (60.350: 0.63 lbf)

Thread: 1/4 (F) NPT

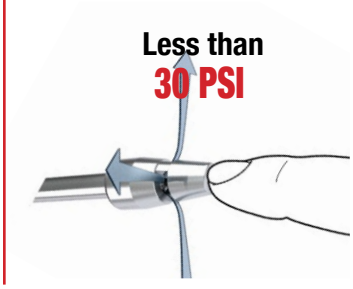
For applications, materials and other specifications, see page 4

VENTURI NOZZLE

Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side holes. The increased velocity and increased volume of air exiting the nozzle amplify thrust.



If the tip of the nozzle is blocked, the airflow escapes through the side holes and the static pressure remains under 30 PSI.





Product No	Description
60.350	With 6 mm tube x 10 cm (4") - Blue
60.386	With 8 mm tube x 10 cm (4") - Red

With straight tube

Product No	Description
60.382	With 8 mm tube x 30 cm (12") - Red
60.383	With 8 mm tube x 50 cm (20") - Red
60.384	With 8 mm tube x 100 cm (40") - Red

Venturi replacement nozzle

Product No	Description
60.260	For 6 mm tube
60.293	For 8 mm tube





AIRPRO
SAFETY FLAT NOZZLE BLOW GUN

- Flat nozzle specially designed to propel a powerful jet of flat and concentrated air to a precise location
- Ideal for cleaning bench tops, machinery and equipment for low noise areas



Product No	Description
60.381	Safety blow gun with flat nozzle -Red
68.050	Replacement flat nozzle



Specifications

Noise Level at 87 PSI: 78 dB

Air Consumption at 87 PSI: 15.9 SCFM

Maximum Working Pressure: 116 PSI

Maximum Output Thrust at 116 PSI: 1.14 lbf

Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

FLAT NOZZLE

Concentrated flat stream of powerful air.



If the tip of the nozzle is blocked, the airflow escapes through holes and the static pressure remains under 30 PSI.



AIRPRO
SILENT SAFETY BLOW GUNS

- Specially designed nozzle reduces noise by up to 20 dB under conventional blow guns
- Airflow control model provides lower independent airflow for delicate jobs (60.388)
- Energy efficient

Specifications

Noise Level at 87 PSI: 71.6 dB

Air Consumption at 87 PSI: 6.9 SCFM

Maximum Working Pressure: 232 PSI

Maximum Output Thrust at 116 PSI: 0.39 lbf

Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

Product No	Description
60.387	With 8 mm tube x 13 cm (5") - Red
60.388	With 8 mm tube x 13 cm (5") with airflow control - Red

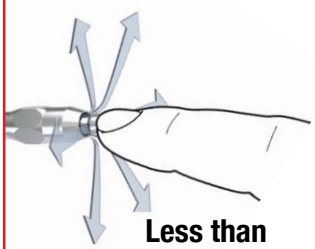


QUIET NOZZLE

Quiet airflow.



If the tip of the nozzle is blocked, the airflow escapes through radial holes and the static pressure remains under 30 PSI



AIRPRO
HIGH PERFORMANCE SAFETY BLOW GUNS WITH 90° ANGLE NOZZLE

- Allows cleaning of cylindrical objects or hard-to-reach places
- Nozzle offers 90° angle airflow
- The push-to-connect nozzle fits easily on AIRPRO blow guns (8 mm tubes)

Specifications

Noise level at 87 PSI: 84 dB

Air consumption at 87 PSI: 10.2 SCFM

Maximum Working Pressure: 232 PSI

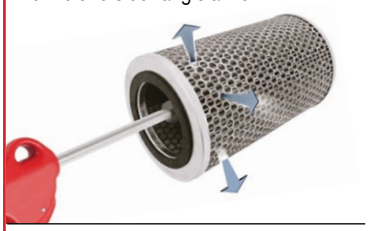
Maximum Output Thrust at 116 PSI: 0.88 lbf

Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

90° ANGLE NOZZLE

Nozzle offers 90° angle airflow.



If the nozzle is blocked, the airflow escapes through the holes and the static pressure remains below 30 PSI.

The blow gun is safe only when the 90° angle nozzle is used.





Product No	Description
60.371	With 8 mm tube x 30 cm (12") - Red
60.372	With 8 mm tube x 50 cm (20") - Red
60.373	With 8 mm tube x 100 cm (40") - Red
60.265	90° angle nozzle

AIRPRO
HIGH PERFORMANCE NON-RESTRICTED BLOW GUNS

- Provides a narrow and concentrated airflow
- Ergonomic design reduces hand fatigue and minimizes carpal tunnel syndrome
- Airflow control model provides lower independent airflow for delicate jobs (60.392)
- Corrosion-resistant 316 stainless steel tube model for harsh or aggressive environments (60.399)

Specifications

Noise Level at 87 PSI:
84 dB (60.320: 80 dB)

Air Consumption at 87 PSI:
10.2 SCFM (60.320: 9.2 SCFM)

Maximum Working Pressure: 232 PSI

Maximum Output Thrust at 116 PSI:
0.88 lbf (60.320: 0.77 lbf)

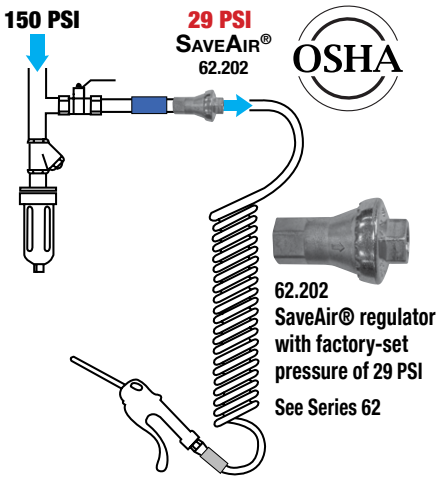
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

CAUTION

TOPRING non-restricted blow guns are not provided with lateral holes to evacuate the excess of air in case of nozzle obstruction, neither a check valve inside the blow gun mechanism.

For safe use, it is highly recommended to install an in-line preset regulator between the air system and the air hose.





Product No	Description
60.320	With 6 mm tube x 10 cm (4") - Blue
60.390	With 8 mm tube x 10 cm (4") - Red



Product No	Description
60.392	With 8 mm tube x 10 cm (4") with airflow control - Red
60.399	With 8 mm stainless steel tube x 10 cm (4") - Red

AIRPRO
HIGH PERFORMANCE NON-RESTRICTED BLOW GUN

- Provides a narrow and concentrated airflow
- Ergonomic design reduces hand fatigue and minimizes carpal tunnel syndrome
- Also available maximum safety pink blow gun with 8 mm tube (60.389R)

Specifications

Noise Level at 87 PSI: 84 dB (60.320: 80 dB)

Air Consumption at 87 PSI: 10.2 SCFM

Maximum Working Pressure: 232 PSI

Maximum Output Thrust at 116 PSI: 0.88 lbf

Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

A Pink Blow Gun for the Cause

SPECIAL AND LIMITED EDITION!

3 $ per pink air blow gun sold will be donated by Topring to the fight against breast cancer.

The funds raised will be used, among other things, to finance free support programs for those affected.



Product No	Description
60.320R	Non-restricted pink blow gun with 6 mm x 10 cm (4") tube

AIRPRO
HIGH PERFORMANCE NON-RESTRICTED BLOW GUNS

- Provides a narrow and concentrated airflow
- Ergonomic design reduces hand fatigue and minimizes carpal tunnel syndrome
- Long tubes for hard-to-reach areas

Specifications

Noise Level at 87 PSI: 84 dB (60.325: 80 dB)

Air Consumption at 87 PSI: 10.2 SCFM (60.325: 9.2 SCFM)

Maximum Working Pressure: 232 PSI

Maximum Output Thrust at 116 PSI: 0.88 lbf (60.325: 0.77 lbf)

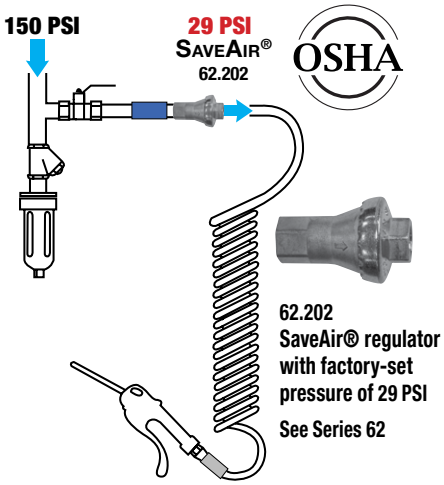
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

CAUTION

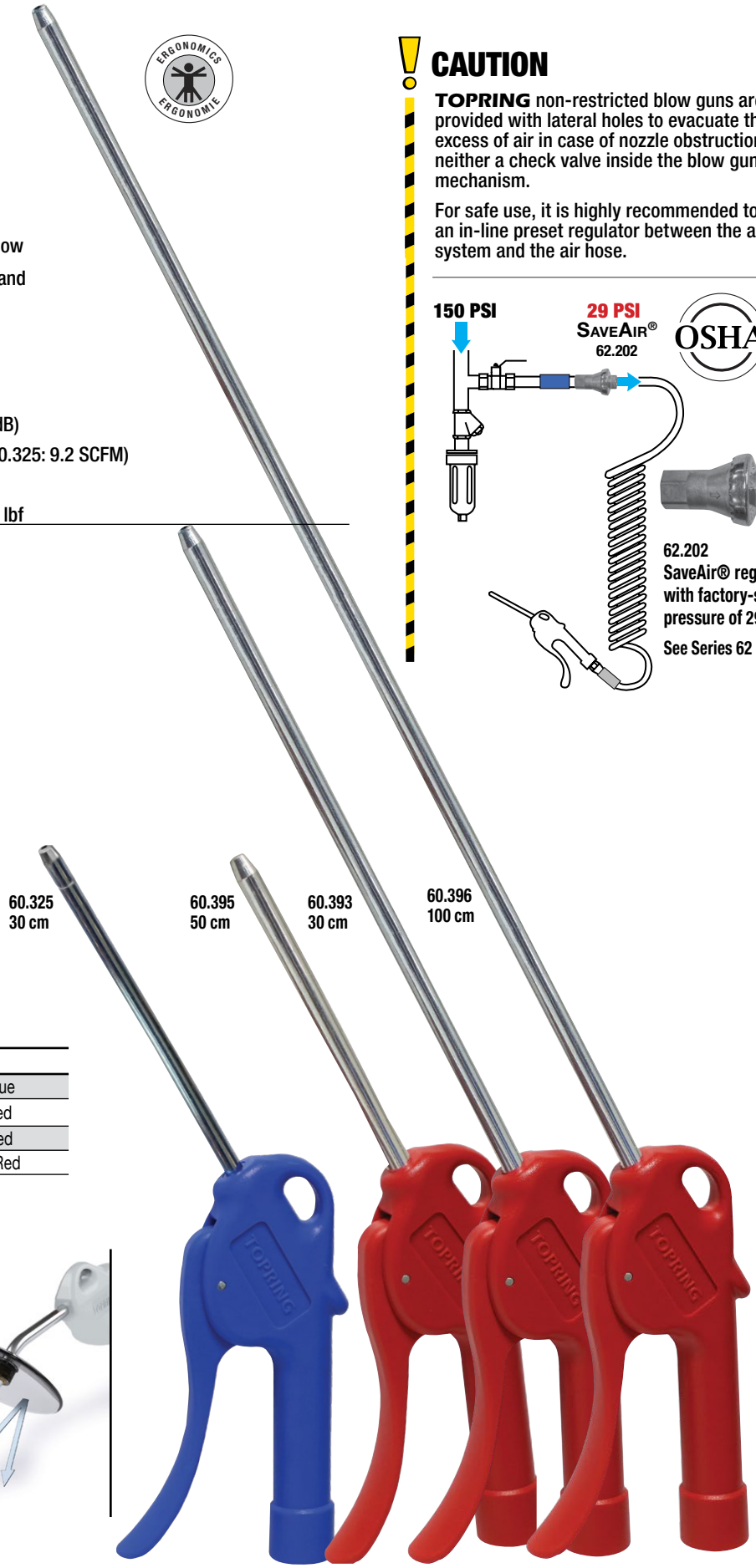
TOPRING non-restricted blow guns are not provided with lateral holes to evacuate the excess of air in case of nozzle obstruction, neither a check valve inside the blow gun mechanism.

For safe use, it is highly recommended to install an in-line preset regulator between the air system and the air hose.



62.202
SaveAir® regulator with factory-set pressure of 29 PSI

See Series 62



Product No	Description
60.325	With 6 mm tube x 30 cm (12") - Blue
60.393	With 8 mm tube x 30 cm (12") - Red
60.395	With 8 mm tube x 50 cm (20") - Red
60.396	With 8 mm tube x 100 cm (40") - Red

Chip guard shields

Protects the user against the return of particles. Fits easily on many AIRPRO blow guns.



Product No	Chip guard shield
60.295	For 6 mm tube
60.296	For 8 mm tube

AIRPRO
NON-RESTRICTED BLOW GUNS WITH RUBBER NOZZLE

- High airflow ensures powerful and concentrated blowing
- Rubber nozzle eliminates the risk of scratches on delicate surfaces

Specifications

Noise Level at 87 PSI:
80 dB (60.397: 84 dB)

Air Consumption at 87 PSI:
9.2 SCFM (60.397: 10.2 SCFM)

Maximum Working Pressure: 232 PSI

Maximum Output Thrust at 116 PSI:
0.88 lbf (60.330: 0.72 lbf)

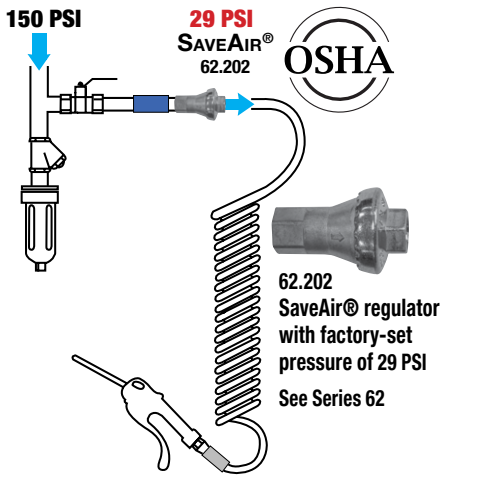
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 4

CAUTION

TOPRING non-restricted blow guns are not provided with lateral holes to evacuate the excess of air in case of nozzle obstruction, neither a check valve inside the blow gun mechanism.

For safe use, it is highly recommended to install an in-line preset regulator between the air system and the air hose.





Product No	Description
60.330	With 6 mm tube x 10 cm (4") - Blue
60.397	With 8 mm tube x 10 cm (4") - Red

Replacement rubber nozzles

Product No	Description
60.280	Nozzle for 6 mm tube
60.292	Nozzle for 8 mm tube



TOPQUIK®
COMPACT AND ERGONOMIC SAFETY BLOW GUNS WITH INTEGRATED PLUG



1/4 INDUSTRIAL PLUG TYPE



ULTRAFLO PLUG TYPE

General features and benefits

- The TOPQUIK blow guns are equiped with their own plug directly mounted on the body, avoiding the assembly time the user and the risk of leakage.



- The connected blower-connector assembly is a blowing tool that is perfectly suited to the operator's hand but for a more pleasant and easier use.



- Trigger respecting the color code of the profiles (BLUE-**1/4 INDUSTRIAL**), (GREEN-**ULTRAFLO**) allowing a quick identification of the product.

I/M 1/4



E 7.8



- Designed to allow extremely precise blowing for use in any application.



- Designed so that the operator can keep it close to him in his pocket which always makes him at hand.



- The TOPQUIK blow gun is equipped with a progressive trigger which brings economy and precision during use.



- The TOPQUIK gussets respond positively to the constraints of the standard OSHA: pressure on the skin, touching tip cannot exceed 30 PSI. The lateral openings allowthe excess pressure to escape.

  The openings also allow an increase in the blowing rate in normal use (venturi effect).

  This effect is appreciable when blowing dust on large surfaces.



- No silicone is used during the manufacturing process. There is therefore no risk of silicone pollution when using this body blower before painting.



- The combination of a TOPQUIK blow gun and a TOPQUIK quick coupler forms a totally scratch-free assembly particularly appreciated in fragile or sensitive environments.



TOPQUIK®
SAFETY BLOW GUNS WITH 1/4 INDUSTRIAL INTEGRATED PLUG

I/M 1/4

- Metal nozzle for powerful blowing
- Anti-scratch polyamide nozzle for delicate work

Specifications

Maximum Output Thrust: 0.56 lbf
Noise Level (at 87 PSI):
Steel nozzle: 85 dB
Polyamide nozzle: 87 dB
Air Consumption: 7.7 SCFM
Maximum Working Pressure: 174 PSI
Connection: 1/4 INDUSTRIAL plug

Materials

Body and Lever: Polyamide composite
Nozzle: Galvanised steel or polyamide composite
Plug: Zinc plated steel resistant to scratch and corrosion
Seals: Nitrile
Valve: Polyacetal (POM)



Product No	With Steel Nozzle
60.090	Steel nozzle blow gun with **1/4 INDUSTRIAL** integrated plug



Product No	With Anti-scratch Nozzle
60.092	Polyamide nozzle blow gun with **1/4 INDUSTRIAL** integrated plug

BLOW GUN WITH COUPLER KITS



With 1/4 INDUSTRIAL **TOPQUIK** Coupler

Coupler Thread	With Steel Nozzle	With Polyamide Nozzle
	Product No	**Product No**
1/4 (F) NPT	**60.090.01**	**60.092.01**
3/8 (F) NPT	**60.090.02**	**60.092.02**
1/4 (M) NPT	**60.090.04**	**60.092.04**
3/8 (M) NPT	**60.090.05**	**60.092.05**



With 1/4 INDUSTRIAL **TOPQUIK S1** Coupler

Coupler Thread	With Steel Nozzle	With Polyamide Nozzle
	Product No	**Product No**
1/4 (F) NPT	**60.090.07**	**60.092.07**

BLOW GUN WALL MOUNTING BRACKET





Product No	Description
60.098	Wall mounting bracket for **TOPQUIK** blow guns

TOPQUIK®
SAFETY BLOW GUNS WITH ULTRAFLO INTEGRATED PLUG

E 7.8

OSHA SAFETY ERGONOMICS

- Steel nozzle for powerful blowing
- Anti-scratch polyamide nozzle for delicate work

Specifications

Maximum Output Thrust: 0.56 lbf
Noise Level (at 87 PSI):
Steel nozzle: 85 dB
Polyamide nozzle: 87 dB
Air Consumption: 7.7 SCFM
Maximum Working Pressure: 174 PSI
Connection: ULTRAFLO Plug

Materials

Body and Lever: Polyamide composite
Nozzle: Galvanised steel or polyamide composite
Plug: Zinc plated steel resistant to scratch and corrosion
Seals: Nitrile
Valve: Polyacetal (POM)



Product No	With Steel Nozzle
60.080	Steel nozzle blow gun with **ULTRAFLO** integrated plug



Product No	With Anti-scratch Nozzle
60.082	Polyamide nozzle blow gun with **ULTRAFLO** integrated plug

BLOW GUN WITH COUPLER KITS



With **TOPQUIK** ULTRAFLO Coupler

Coupler Thread	With Steel Nozzle	With Polyamide Nozzle
	Product No	**Product No**
1/4 (F) NPT	**60.080.01**	**60.082.01**
3/8 (F) NPT	**60.080.02**	**60.082.02**
1/4 (M) NPT	**60.080.04**	**60.082.04**
3/8 (M) NPT	**60.080.05**	**60.082.05**



With **TOPQUIK S1** ULTRAFLO Coupler

Coupler Thread	With Steel Nozzle	With Polyamide Nozzle
	Product No	**Product No**
1/4 (F) NPT	**60.080.07**	**60.082.07**
3/8 (F) NPT	**60.080.08**	**60.082.08**

BLOW GUN WALL MOUNTING BRACKET





Product No	Description
60.098	Wall mounting bracket for **TOPQUIK** blow guns

MAXJET
NON-RESTRICTED BLOW GUNS

- Powerful airflow provides a narrow and concentrated airflow
- Progressive and precise adjustment of the airflow regulated simply by squeezing and releasing the handle
- Ergonomic design reduces hand fatigue and minimizes carpal tunnel syndrome
- High quality manufacturing materials
- Rubber nozzle model eliminates the risk of scratches on delicate surfaces (60.332)
- Long tube model for hard-to-reach areas (60.324)

Materials

Body: POM
Valve: Plastic
Tube: Steel
Anti-Scratch Nozzle: Rubber

Specifications

Maximum Working Pressure: 150 PSI
Thread: 1/4 (F) NPT
Maximum Output Thrust: 1.2 lbf
Noise Level (at 90 PSI):
60.332 and 60.324: 88 dB
60.332: 87 dB
Air Consumption:
60.332 and 60.324: 13 SCFM
60.332: 12 SCFM

CAUTION

MAXJET non-restricted blow guns are not provided with lateral holes to evacuate the excess of air in case of nozzle obstruction, neither a check valve inside the blow gun mechanism.

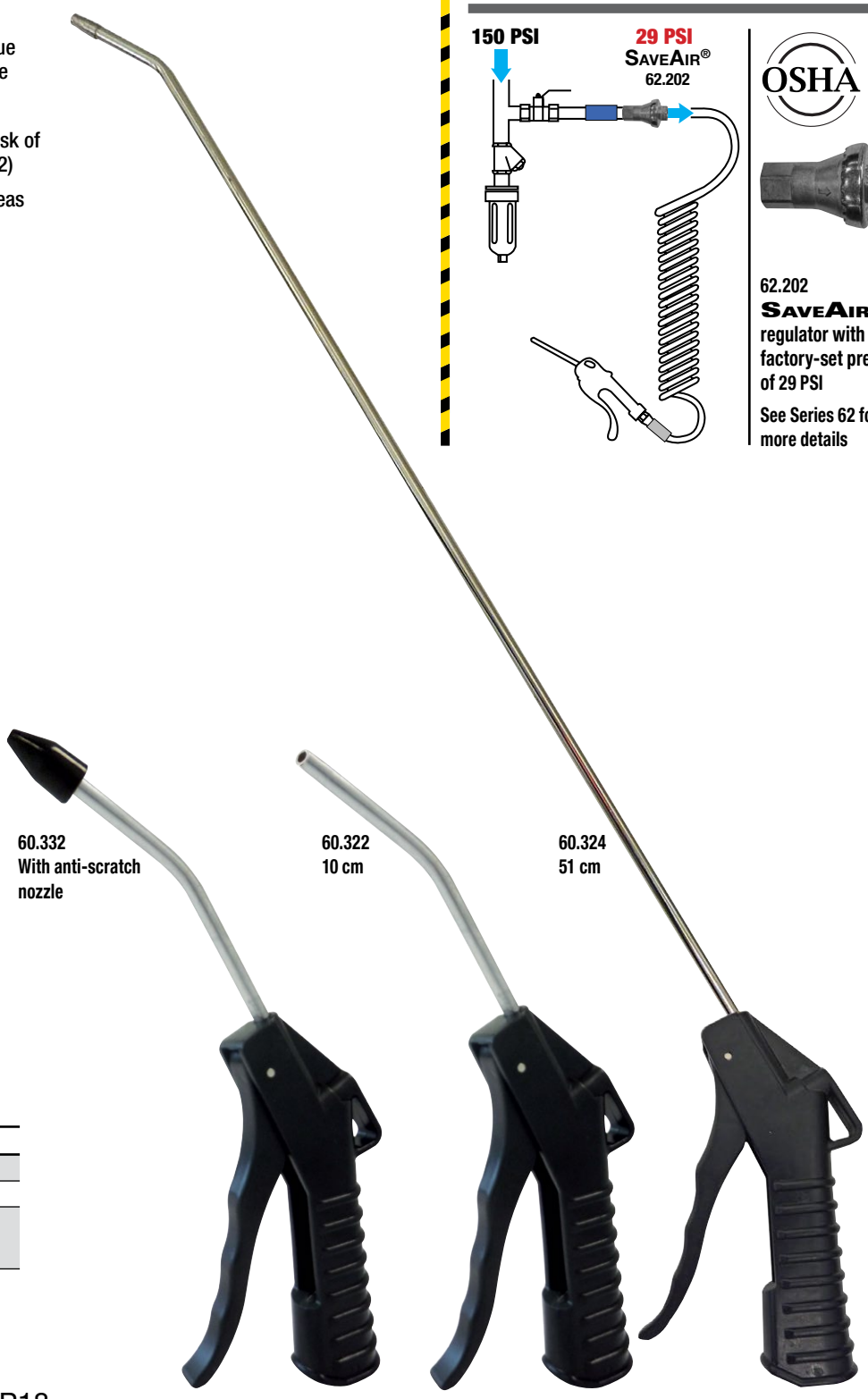
For safe use, it is highly recommended to install an in-line preset regulator between the air system and the air hose.

OSHA



62.202 **SAVEAIR®** regulator with factory-set pressure of 29 PSI

See Series 62 for more details



60.332 With anti-scratch nozzle

60.322 10 cm

60.324 51 cm

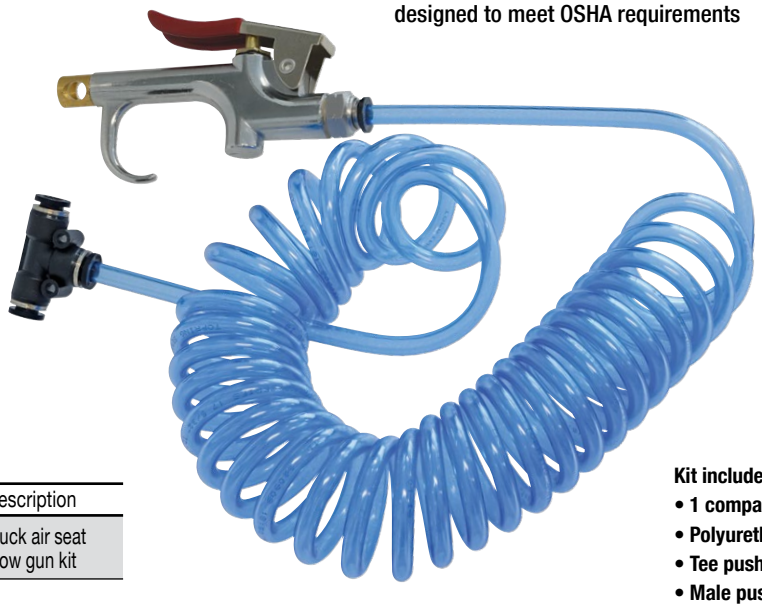
Product No	Description
60.322	With 10 cm (4 in) tube
60.324	With 51 cm (20 in) long tube
60.332	With anti-scratch nozzle • 10 cm (4 in) tube

TRUCK AIR SEAT BLOW GUN KIT

Designed specifically to blow and clean dust, dirt and debris inside a truck cab.

Easily adapts to air truck seats using the push-to-connect fitting.

- Quick and easy connection
- 12 feet polyurethane coil hose
- Flexible and efficient within -40 to 60°C
- Robust and ergonomic blow gun
- Safety nozzle with less than 30 PSI designed to meet OSHA requirements



Materials

Coil Hose
Tube: Ether-based polyurethane
Durometer: Hardness 52 Shore D
Color: Clear Blue

Blow Gun Body: Zinc
Push-to-Connect Fittings: Polymer

Specifications

Internal Diameter (I.D.): 5/32 in
Outside Diameter (O.D.): 1/4 in
Total Length: 12 feet
Working Length: 8 feet
Maximum Working Length: 67 % of total length
End Tails Length: 100 mm (4 in)
Minimum Bending Radius: 25 mm (1 in)
Maximum Working Pressure: 130 PSI
Working Temperature: -40 to 60°C

Product No	Description
60.066	Truck air seat blow gun kit

Kit includes:
- 1 compact blow gun with safety nozzle
- Polyurethane ether based coil hose
- Tee push-to-connect fitting
- Male push-to-connect fitting

MAXJET COMPRESSED AIR ACCESSORIES KIT

I/M 1/4

- Designed for light-duty applications, drying, cleaning of parts and cleaning surfaces
- Assortment of accessories for compressed air containing 14 accessories in a plastic storage box with a hanging hook
- Lightweight blow gun designed to fit comfortably in user's hand
- Blow gun with a brass valve made with a single moving part for a long-lasting maintenance-free operation

Specifications

Maximum Working Pressure: 150 PSI
Thread: 1/4 (F) NPT





Product No	Description
60.065C	MAXJET compressed air accessories kit

14 pieces kit includes:
- 1 compact MAXJET blow gun
- 4 interchangeable nozzles
- 1 female quick coupler
- 3 male plugs
- 1 female plug
- 1 male hexagonal nipple
- 1 PTFE tape
- 1 tire gauge
- 1 extended dual foot air chuck

TOPGUN
SAFETY BLOW GUNS

AIRFLOW ADJUSTMENT
- Control mechanism allows progressive and smooth adjustment of compressed airflow
- Airflow can be regulated by the simple pressure exerted on the lever

HIGH OUTPUT PERFORMANCE
- High flow for maximum blowing power

SAFETY BLOW GUNS
- Manufactured to meet OSHA and other Health and Safety Agencies' Standards, ensuring output pressure less than 30 PSI even with complete obstruction (inlet pressure of 120 PSI)

ROBUST AND POWERFUL
- Superior durability due to the blow gun manufacturing materials.
- Highly resistant aluminum body

FACILITATE STORAGE
- Convenient built-in hook to facilitate storage
- Magnetic hook in option for easy storage

LONG TUBE MODELS
- Several models are available with different tube lengths for hard-to-reach areas

ERGONOMIC
- Ergonomic design with a functional lever handle for quick and comfortable grip. Easy to squeeze even with prolonged use; reduces exerted tension on the hand

General applications
Machine and woodworking shops

Industries and shops: construction, transportation, food, paper mills, textile, foundries, rubber and plastic manufacturing

General cleaning and maintenance

Materials
Body: Cast aluminum

Nozzle: Aluminum alloy, brass or stainless steel

Tube: Durable cast aluminum or stainless steel

Valve: Brass

Springs: Stainless steel

Seals: Nitrile rubber

General specifications
Maximum Working Pressure: 120 PSI

Working Temperature: -40 to 65 °C

Thread: 1/4 (F) NPT

CAUTION
Users should never use blow guns to clean themselves.

A vacuum or a safety cleaning unit should be used instead.



TOPGUN
PROTECTIVE AIR SCREEN SAFETY BLOW GUNS

- Deliver high thrust with pinpoint accuracy
- Protective air screen protects users against dangerous "chip fly back"
- Should the tip be blocked, the entire airflow will be diverted through the slots so the static pressure remains under 30 PSI (meeting OSHA standards)
- Airflow control throttle screw model provides lower independent airflow for delicate jobs (60.405)
- Model with 15 cm brass tube (with 1/8 in O.D. flexible tube at the tip) for blind holes (60.475)

Specifications

Maximum Output Thrust:
60.400 and 60.405: 0.4 lbf / 60.475: 0.1 lbf

Noise Level:
60.400 and 60.405: 102 dB
60.475: 103 dB

Air Consumption: 35 SCFM

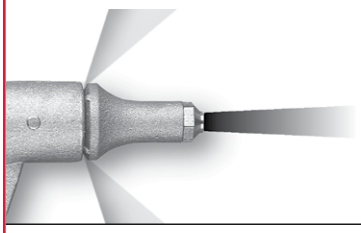
Maximum Working Pressure: 120 PSI

Thread: 1/4 (F) NPT

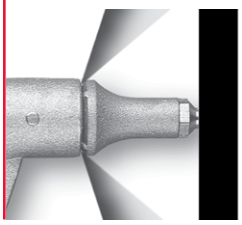
For applications, materials and other specifications, see page 20

PROTECTIVE AIR SCREEN

While the main airflow exits through the tip to move and dislodge debris, a small portion of the main airflow is diverted through slots around the periphery of the tip to form a protective air screen. This protective air screen prevents chips and other debris from blowing back towards the user.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side slots so the static pressure remains under 30 PSI (meeting OSHA standards).





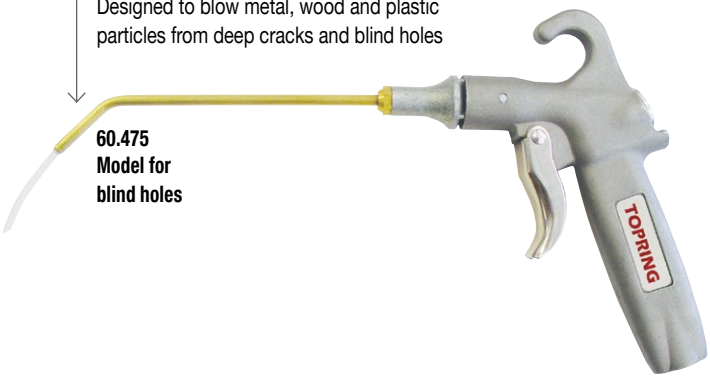
60.400



60.405
With airflow control throttle screw



Designed to blow metal, wood and plastic particles from deep cracks and blind holes



60.475
Model for blind holes

Product No	Description
60.400	Short nozzle
60.405	Short nozzle with airflow control throttle screw
60.475	With 15 cm (4") brass tube for blind holes



Magnetic hook for storing TOPGUN blow guns on iron or steel surfaces / details on page 27

TOPGUN
MAXIMUM THRUST SAFETY BLOW GUN WITH VENTURI NOZZLE

- Designed to move a large volume of debris through the venturi nozzle increasing the available air thrust
- Protective air screen protects user from dangerous particles, chips and debris
- Airflow control throttle screw provides lower independent airflow for delicate jobs
- If the tip of the nozzle is blocked, the airflow escapes through radial holes and the static pressure remains under 30 PSI to meet OSHA and other Health and Safety Agencies' standards

Specifications

Maximum Output Thrust: 0.6 lbf

Noise Level: 104 dB

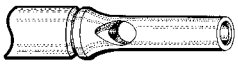
Air Consumption: 36 SCFM

Maximum Working Pressure: 120 PSI

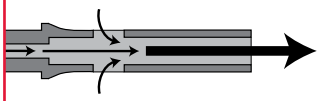
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 20

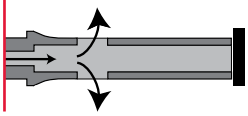
VENTURI NOZZLE

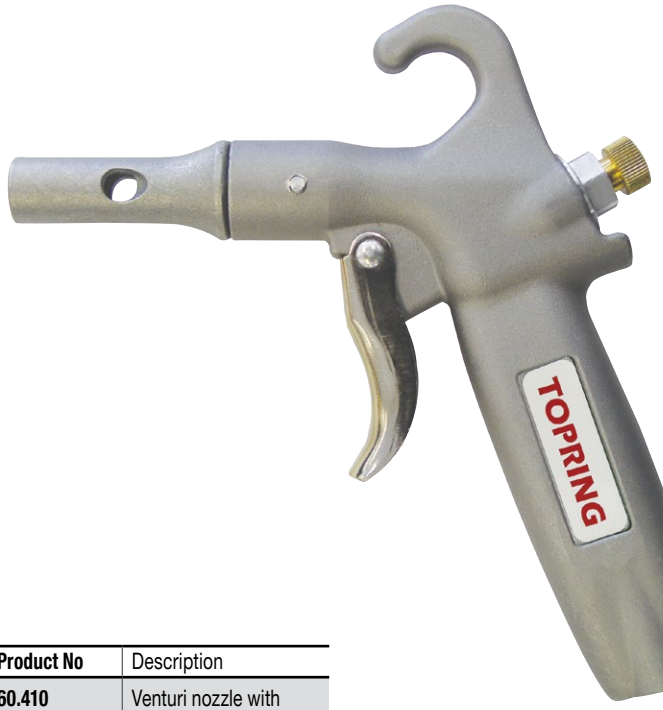


Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. The increased velocity and increased volume of air exiting the nozzle amplify thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards).





With airflow control throttle screw

Product No	Description
60.410	Venturi nozzle with airflow throttle screw

Magnetic hook for storing TOPGUN blow guns on iron or steel surfaces / details on page 27



TOPGUN
MAXIMUM THRUST LONG SAFETY BLOW GUNS WITH VENTURI NOZZLE



- Designed to move a large volume of debris through the venturi type nozzle that increases the available air thrust
- Long tubes designed for hard-to-reach areas
- Steel nozzle and tube available for lengths of 30, 90 and 120 cm
- Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards)

Specifications

Maximum Output Thrust: 2.00 lbf

Noise Level: 107 dB

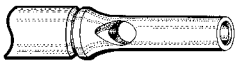
Air Consumption: 34 SCFM

Maximum Working Pressure: 120 PSI

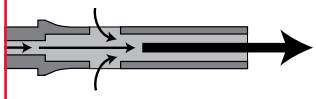
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 20

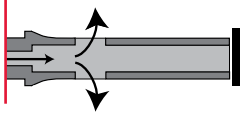
VENTURI NOZZLE



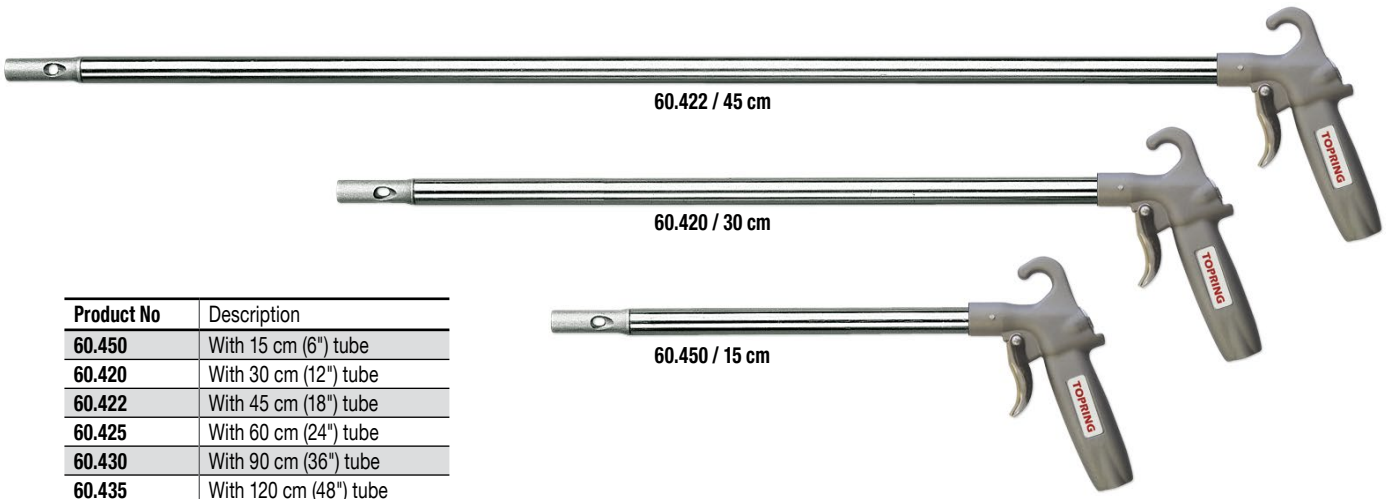
Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. The increased velocity and increased volume of air exiting the nozzle amplify thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards).



Less than 30 PSI



Product No	Description
60.450	With 15 cm (6") tube
60.420	With 30 cm (12") tube
60.422	With 45 cm (18") tube
60.425	With 60 cm (24") tube
60.430	With 90 cm (36") tube
60.435	With 120 cm (48") tube
60.440	With 152 cm (60") tube
60.442	With 182 cm (72") tube

With steel nozzle and tube

Product No	Description
60.420.01	With 30 cm (12") tube
60.430.01	With 90 cm (36") tube
60.435.01	With 120 cm (48") tube

Magnetic hook for storing TOPGUN blow guns on iron or steel surfaces / details on page 27



TOPGUN
EXTRA THRUST SAFETY BLOW GUNS WITH VENTURI NOZZLE

- Designed to move a large volume of debris through the venturi nozzle increasing the available air thrust by 40% compared to conventional blow guns
- Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards)
- Long tube models for hard-to-reach areas

Specifications

Maximum Output Thrust:
60.460: 2.5 lbf / other models: 2.8 lbf

Noise Level: 108 dB

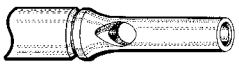
Air Consumption: 54 SCFM

Maximum Working Pressure: 120 PSI

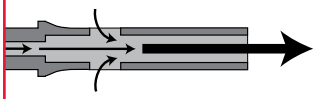
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 20

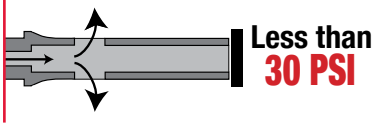
VENTURI NOZZLE



Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. The increased velocity and increased volume of air exiting the nozzle amplify thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards).

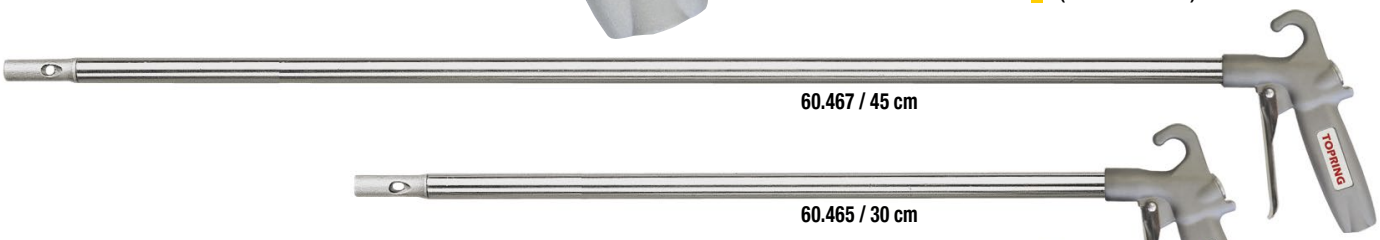




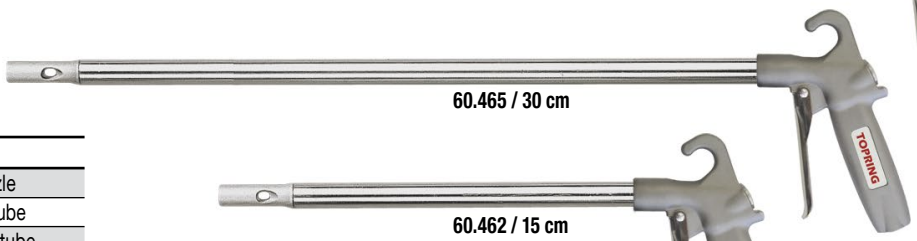
60.460

TECH TIP

High flow couplers and plugs are recommended to insure optimum performance (see Series 31).



60.467 / 45 cm



60.465 / 30 cm



60.462 / 15 cm

Product No	Description
60.460	With venturi nozzle
60.462	With 15 cm (6") tube
60.465	With 30 cm (12") tube
60.467	With 45 cm (18") tube
60.470	With 60 cm (24") tube
60.471	With 90 cm (36") tube
60.472	With 120 cm (48") tube
60.473	With 152 cm (60") tube
60.474	With 182 cm (72") tube



Magnetic hook for storing TOPGUN blow guns on iron or steel surfaces / details on page 27

TOPGUN
SAFETY BLOW GUNS WITH COANDA NOZZLE

- Provides extra high thrust with reduced air consumption
- Unique coanda nozzle design reduces noise by up to 6 to 20 dB over conventional blow guns
- Should the tip of the nozzle rests against an object, the jet of air that continuously exits through the openings around the conical tip will maintain a static pressure of less than 30 PSI (meeting OSHA standards)
- Long tube models for hard-to-reach areas

Specifications

Maximum Output Thrust:
60.415: 1.1 lbf / other models: 0.9 lbf

Noise Level:
60.415: 93 dB / other models: 99 dB

Air Consumption:
60.415: 21 SCFM / other models: 29 SCFM

Maximum Working Pressure: 120 PSI

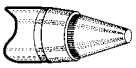
Thread: 1/4 (F) NPT

For applications, materials and other specifications, see page 20

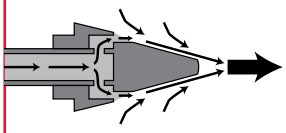


Long tube for hard to reach areas

COANDA NOZZLE

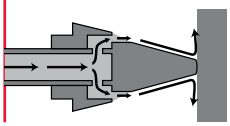


High-speed air jets exit from narrow openings around the nozzle, adhering to the conical face of the nozzle. The drive of the ambiant air allows an increased air thrust with a low noise level.



Should the tip of the nozzle rests against an object, the jet of air that continuously exits through the openings around the conical tip will maintain a static pressure of less than 30 PSI (meeting OSHA standards)

In addition, whisper jet blow gun also meets OSHA standards for noise level.



Less than 30 PSI



60.415



60.419 / 90 cm



60.418 / 60 cm



60.416 / 30 cm

Product No	Description
60.415	With Coanda nozzle
60.413	With 15 cm (6") tube
60.416	With 30 cm (12") tube
60.418	With 60 cm (24") tube
60.419	With 90 cm (36") tube
60.424	With 120 cm (48") tube
60.426	With 152 cm (60") tube
60.427	With 182 cm (72") tube



Magnetic hook for storing TOPGUN blow guns on iron or steel surfaces / details on page 27

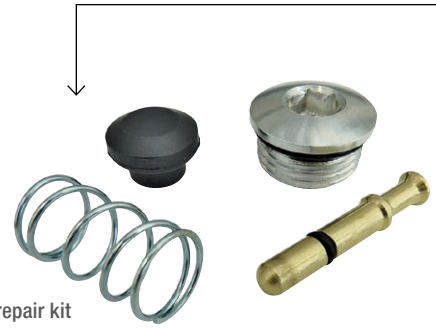
TOPGUN
REPLACEMENT PARTS FOR SAFETY BLOW GUNS

TOPGUN safety blow guns are repairable.
Both valve repair kits and replacement nozzles are available for most models.





Venturi replacement nozzle



Valve repair kit

VENTURI REPLACEMENT NOZZLE	BLOW GUN EXTENSIONS	VALVE REPAIR KIT	BLOW GUN MODELS	
Product No	**Product No**	**Product No**	**Product No**	**Blow gun description**
-		**60.498**	**60.400**	Protective air screen gun
-		**60.499**	**60.405**	Protective air screen gun / with airflow control
-		**60.498**	**60.475**	Blind hole air gun
-		**60.499**	**60.410**	Venturi tip booster air gun
60.490	**60.451** 15 cm (6") tube	**60.498**	**60.450**	Venturi tip booster air gun, 15 cm (6") tube
60.490	**60.452** 30 cm (12") tube	**60.498**	**60.420**	Venturi tip booster air gun, 30 cm (12") tube
60.490	**60.453** 45 cm (18") tube	**60.498**	**60.422**	Venturi tip booster air gun, 45 cm (18") tube
60.490	**60.454** 60 cm (24") tube	**60.498**	**60.425**	Venturi tip booster air gun, 60 cm (24") tube
60.490	**60.455** 90 cm (36") tube	**60.498**	**60.430**	Venturi tip booster air gun, 90 cm (36") tube
60.490	**60.456** 120 cm (48") tube	**60.498**	**60.435**	Venturi tip booster air gun, 120 cm (48") tube
60.490	**60.457** 152 cm (60") tube	**60.498**	**60.440**	Venturi tip booster air gun, 152 cm (60") tube
60.490	**60.458** 182 cm (72") tube	**60.498**	**60.442**	Venturi tip booster air gun, 182 cm (72") tube
-		**60.498**	**60.415**	Whisper jet air gun
-		**60.498**	**60.416**	Whisper jet air gun, 30 cm (12") tube
-		**60.498**	**60.418**	Whisper jet air gun, 60 cm (24") tube
-		**60.498**	**60.419**	Whisper jet air gun, 90 cm (36") tube
60.491		**60.498**	**60.460**	Extra thrust venturi tip air gun
60.491		**60.498**	**60.462**	Extra thrust venturi tip air gun, 15 cm (6") tube
60.491		**60.498**	**60.465**	Extra thrust venturi tip air gun, 30 cm (12") tube
60.491		**60.498**	**60.467**	Extra thrust venturi tip air gun, 45 cm (18") tube
60.491		**60.498**	**60.470**	Extra thrust venturi tip air gun, 60 cm (24") tube
60.491		**60.498**	**60.471**	Extra thrust venturi tip air gun, 90 cm (36") tube
60.491		**60.498**	**60.472**	Extra thrust venturi tip air gun, 120 cm (48") tube
60.491		**60.498**	**60.473**	Extra thrust venturi tip air gun, 152 cm (60") tube
60.491		**60.498**	**60.474**	Extra thrust venturi tip air gun, 182 cm (72") tube

TOPGUN
STORAGE ACCESSORIES FOR BLOW GUNS

TOPGUN blow guns can be arranged horizontally or vertically.
Accessory sets are available for all TOPGUN models.

MAGNETIC HOOK

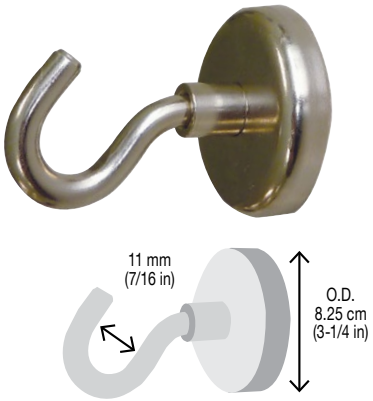
- This versatile magnetic hook allows users to hang up blow guns on any iron of steel surface
- No drilling required

Specifications

Body: Rugged metal

Maximum Load: 43 kg (95 lbs)

Product No	Description
60.487	Magnetic hook for blow guns





Note: the magnetic hook can be suitable for MAXPRO and MAGNUM blow guns

MAGNETIC GUNSLINGER

- This magnetic gunslinger provides a convenient way to store your blow guns on any iron of steel surface
- Keeps tools close to the applications for immediate use
- No drilling required

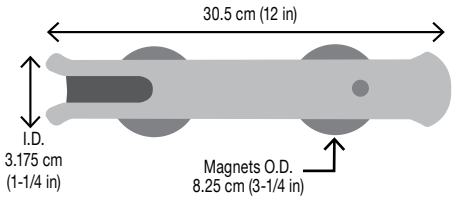
Specifications

Body: Sturdy polyethylene

Capacity Load Min-Max: 0 to 86 kg (0 to 190 lbs)

Product No	Description
60.488	Holster with magnets for blow guns







MAGNUM
EXTRA THRUST LONG SAFETY BLOW GUNS WITH VENTURI NOZZLE

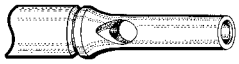


- These extra thrust safety air guns are designed for applications where maximum thrust is required
- Wide trigger for smoother actuation of airflow regulated simply by squeezing and releasing the lever
- Ergonomic design
- Lightweight and strong aluminum body for superior durability
- Large adjustable hook for convenient storage
- Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards)

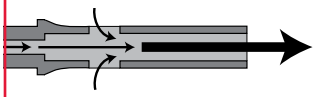
Specifications

Maximum Output Thrust: 3.3 lbf
Noise Level: 101 dB
Air Consumption: 66 SCFM
Maximum Working Pressure: 120 PSI
Working Temperature: -40 to 65 ºC
Thread: 3/8 (F) NPT

VENTURI NOZZLE



Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. The increased velocity and increased volume of air exiting the nozzle amplify thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards).

Less than 30 PSI



Product No	Description
60.600	With 15 cm (6") tube
60.620	With 30 cm (12") tube
60.625	With 60 cm (24") tube
60.630	With 90 cm (36") tube
60.632	With 120 cm (48") tube
60.634	With 152 cm (60") tube
60.635	With 182 cm (72") tube



Magnetic hook for storing blow guns on iron or steel surfaces / details on page 27

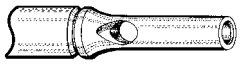
MAGNUM
ULTRA THRUST LONG SAFETY BLOW GUNS WITH VENTURI NOZZLE

- Long powerful blow guns with venturi nozzle to move a very large volume of debris
- Wide trigger for smoother actuation of airflow regulated simply by squeezing and releasing the lever
- Ergonomic design
- Lightweight and strong aluminum body for superior durability
- Large adjustable hook for convenient storage
- Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards)

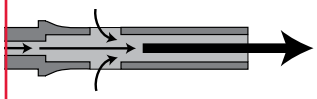
Specifications

Maximum Output Thrust: 2.8 lbf
Noise Level: 104 dB
Air Consumption: 48 SCFM
Maximum Working Pressure: 120 PSI
Working Temperature: -40 to 65 °C
Thread: 3/8 (F) NPT

VENTURI NOZZLE

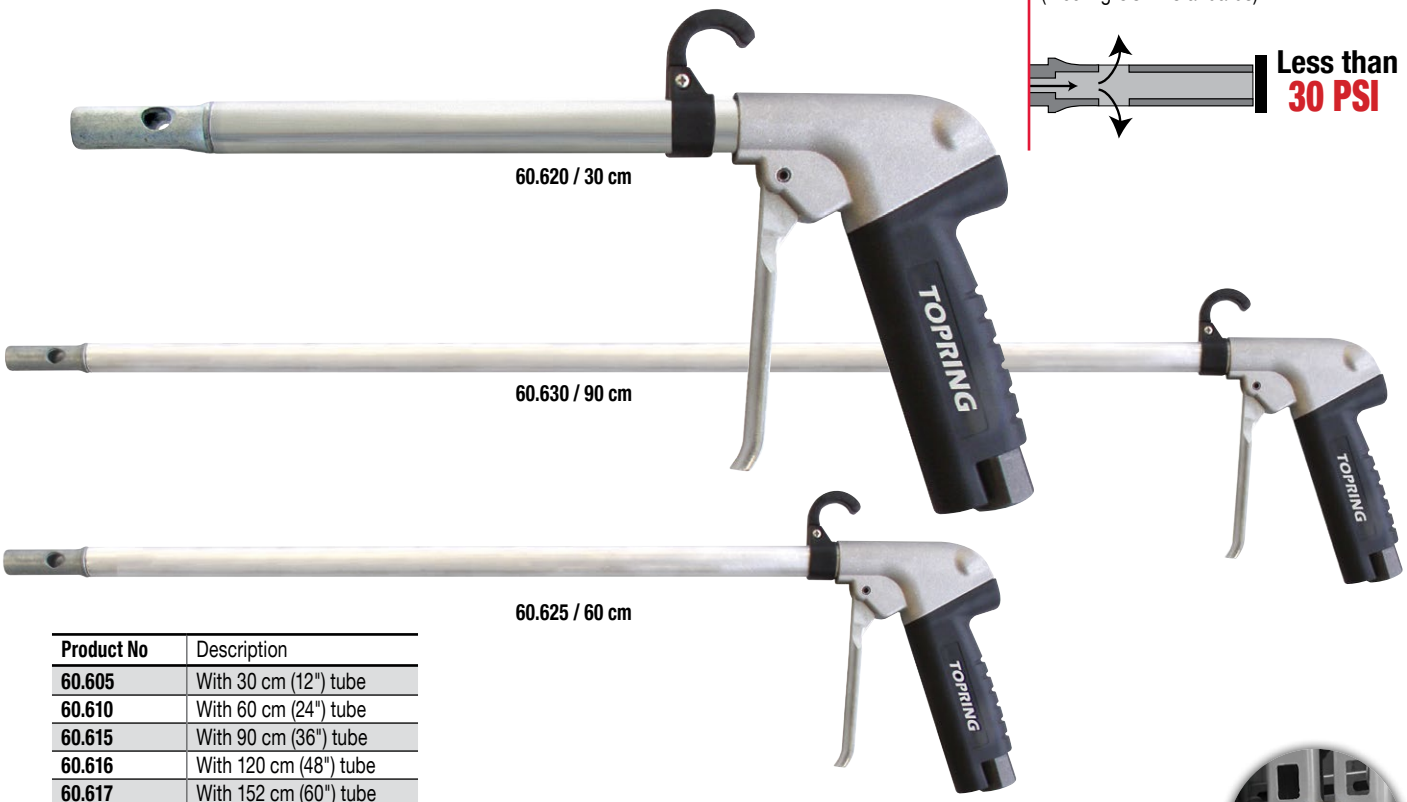


Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. The increased velocity and increased volume of air exiting the nozzle amplify thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards).

Less than 30 PSI



60.620 / 30 cm

60.630 / 90 cm

60.625 / 60 cm

Product No	Description
60.605	With 30 cm (12") tube
60.610	With 60 cm (24") tube
60.615	With 90 cm (36") tube
60.616	With 120 cm (48") tube
60.617	With 152 cm (60") tube



Magnetic hook for storing blow guns on iron or steel surfaces / details on page 27

MAGNUM
SAFETY BLOW GUNS WITH COANDA NOZZLE AND LONG TUBE

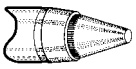
These safety blow guns are designed to move a large volume of debris with a lower noise level than conventional blow guns.

- Designed for moving large volumes of debris in noise-sensitive areas
- Unique "Coanda" nozzle design reduces noise by up to 6 to 20 dB over conventional blow guns
- Wide trigger for smoother actuation and comfort grip
- The whisper jet blow gun meets OSHA standards for noise level
- Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards)

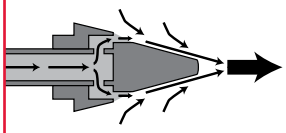
Specifications

Maximum Output Thrust: 1.9 lbf
Noise Level: 97 dB
Air Consumption: 40 SCFM
Maximum Working Pressure: 120 PSI
Working Temperature: -40 to 65 ºC
Thread: 3/8 (F) NPT

COANDA NOZZLE

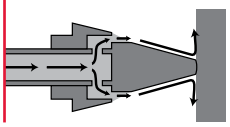


High-speed air jets exit from narrow openings around the nozzle, adhering to the conical face of the nozzle. The drive of the ambiant air allows an increased air thrust with a low noise level.



Should the tip of the nozzle rests against an object, the jet of air that continuously exits through the openings around the conical tip will maintain a static pressure of less than 30 PSI (meeting OSHA standards)

In addition, whisper jet blow gun also meets OSHA standards for noise level.





60.641 / 30 cm

60.644 / 90 cm

60.643 / 60 cm

Product No	Description
60.640	With 15 cm (6") tube
60.641	With 30 cm (12") tube
60.642	With 46 cm (18") tube
60.643	With 60 cm (24") tube
60.644	With 90 cm (36") tube
60.645	With 120 cm (48") tube



Magnetic hook for storing blow guns on iron or steel surfaces / details on page 27

COMPACT SAFETY BLOW GUNS

Models of compact, light and robust blow guns for intensive use in machine shops, mechanics and for a wide variety of industrial applications.

- Designed for extended heavy-duty service
- Flow stabilizer valve for precise air control
- Contoured design comfortably fits user's hand
- Cushioned thumb lever
- Hanging hook
- Rugged and lightweight one-piece body
- Should the tip of the nozzle be blocked, the airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards)

General Specifications

Maximum Working Pressure: 150 PSI
Working Temperature: 0 to 80 °C
Thread: 1/4 (F) NPT

Materials

Body: Zinc
Handle: Steel
Nozzle and Valve: Brass

WITH VENTURI TIP

- Tamper-proof side vent holes increase total airflow
- Case-hardened steel restrictor inside the blow gun provides a concentrated air stream



Product No	Noise Level *	Air Consumption
60.100	90 dB	9 SCFM

* At 100 PSI air line pressure

WITH AIR SCREEN

- Brass nozzle produces a 30° protective air screen
- To clean machinery, tools and dies



Product No	Noise Level *	Air Consumption
60.102	90 dB	15 SCFM

* At 100 PSI air line pressure

WITH VENTURI BOOSTER TIP

- Venturi booster tip
- Provides extra thrust with reduced air consumption



Product No	Noise Level *	Air Consumption
60.103	90 dB	9.5 SCFM

* At 100 PSI air line pressure

WITH LONG TUBE

- For removal of chips or filings and other applications in hard-to-reach areas



Product No	Description	Noise Level *	Air Consumption
60.114	With 7 cm (3") tube	90 dB	10.5 SCFM
60.116	With 15 cm (6") tube	90 dB	10.5 SCFM
60.118	With 30 cm (12") tube	90 dB	10.5 SCFM

* At 100 PSI air line pressure

COMPACT NON-RESTRICTED BLOW GUNS

For use in machine shops, mechanics and various applications.

CAUTION

COMPACT non-restricted blow guns are not provided with lateral holes to evacuate the excess of air in case of nozzle obstruction, neither a check valve inside the blow gun mechanism.

For safe use, it is highly recommended to install an in-line preset regulator between the air system and the air hose.



62.202
SaveAir® regulator factory-set pressure of 27 PSI / see Series 62

WITH RUBBER NOZZLE

- Rubber anti-scratch tapered nozzle for leakproof connection
- To clean the cavities of molds and dies without scratching the surfaces and to clear clogged passages



Product No	Noise Level *	Air Consumption
60.110	90 dB	9 SCFM

* At 100 PSI air line pressure

WITH TAPERED NOZZLE

- Concentrates air stream for efficient removal of dust, metal chips and wood chips
- For a wide variety of industrial applications

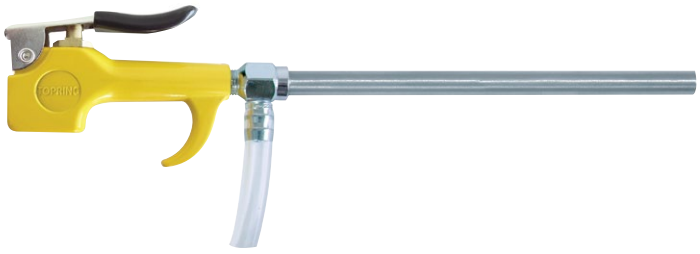


Product No	Noise Level *	Air Consumption
60.112	90 dB	8 SCFM

* At 100 PSI air line pressure

WITH SIPHON

- Spray gun with 15 cm (6") rigid tube nozzle including a 2.4 m flexible suction tube
- Economical tool for spraying oils, cleaners, solvents and sealants



Product No	Description
60.130	With siphon nozzle

WITH SPRAYTIP NOZZLE

- Designed for intensive use
- Flow regulating valve for precise control of the air jet
- Economical tool for spraying oils, cleaners, solvents and sealants



Product No	Description
60.135	With flow regulating valve

COMPACT BASIC BLOW GUN WITHOUT NOZZLE

For use in machine shops, mechanics and various applications.



The threaded end allows the use of several different nozzles



Product No	Description
60.120	Blow gun without nozzle

NOZZLES FOR BASIC BLOW GUN BODY



Product No	Description
60.200	Tapered nozzle



Product No	Description
60.215	Spray nozzle



Product No	Description
60.245	Safety nozzle



Product No	Description
60.205	Air screen safety nozzle



Product No	Description
60.220	7 cm (3") safety tube
60.230	15 cm (6") safety tube
60.235	30 cm (12") safety tube



Product No	Description
60.250	Needle nozzle



Product No	Description
60.210	Rubber nozzle



Product No	Description
60.240	Safety booster nozzle



Product No	Description
60.255	Long needle nozzle

MAXJET
COMPACT BLOW GUNS

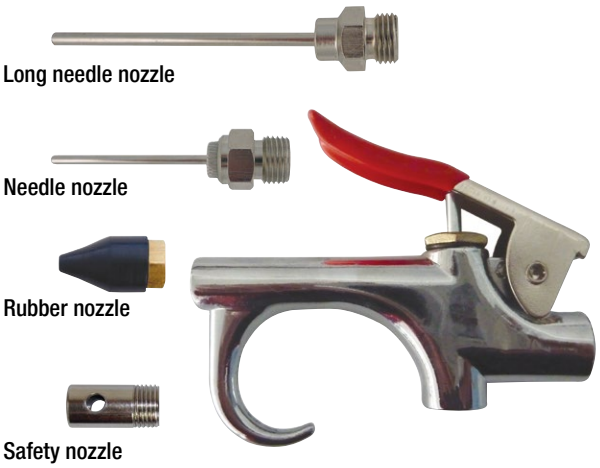
- Designed for light-duty applications
- Lightweight with contoured design fit comfortably in user's hand
- Cushioned thumb lever
- Brass valve with only one moving part for long-lasting maintenance-free operation
- Large hanging hook

Material
Body: Zinc

General specifications
Maximum Working Pressure: 150 PSI

Thread: 1/4 (F) NPT

WITH 4 NOZZLES



Product No	Description
60.070C	With 4 interchangeable nozzles

WITH SAFETY NOZZLE

Safety nozzle prevents blockage.



Should the tip become blocked, the airflow is diverted through the side ports keeping the static pressure below 30 PSI to meet OSHA and other Health and Safety Agencie's Standards

Product No	Description
60.050C	With safety nozzle

PENCIL STYLE BLOW GUNS

- Provide a narrow, high velocity jet of air
- Compact and light, fit into a shirt pocket like a pen
- Twist to adjust flow
- If the tip of the nozzle is blocked, the airflow escapes through the holes around the nozzle and the static pressure remains under 30 PSI

Material
Body: Aluminum

Specifications
Maximum Working Pressure: 150 PSI

Working Temperature: 0 to 80 °C



60.005



60.010



60.015

Product No	Description
60.005	**1/4 INDUSTRIAL** plug
60.010	**ARO 210** plug
60.015	**ULTRAFLO** plug

LAZER
HIGH PERFORMANCE COMPACT SAFETY BLOW GUNS WITH VENTURI NOZZLE



- Designed to move large volumes of debris using standard shop pressures
- Ergonomically designed to reduce hand fatigue and help minimize carpal tunnel syndrome
- Safe unique patented design
- Lightweight, rugged cast aluminum body with rubber over-moulded trigger
- Venturi tip increases thrust
- If tip is blocked, static pressure will remain at less than 30 PSI to meet OSHA and other Health and Safety Agencies' standards
- For clearing away chips and shavings, cleaning of parts and machines, blowing, drying and dust removal from parts and work areas and general clean-up and maintenance
- Long tubes for blowing floor debris into piles, cleaning masonry forms, tanks, ovens, large molds, as well as machinery and storage spaces and for hard-to-reach areas

Materials
Body: Aluminum

Nozzle: Brass

Specifications
Maximum Output Thrust:
60.150: 0.6 lbf / other models: 0.9 lbf

Noise Level:
60.150: 100 dB / other models: 101 dB

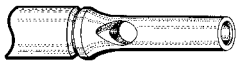
Air Consumption:
60.150: 8 SCFM / other models: 13 SCFM

Maximum Working Pressure: 120 PSI

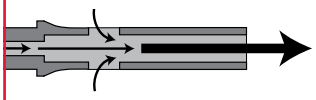
Working Temperature: -40 to 65 °C

Thread: 1/4 (F) NPT

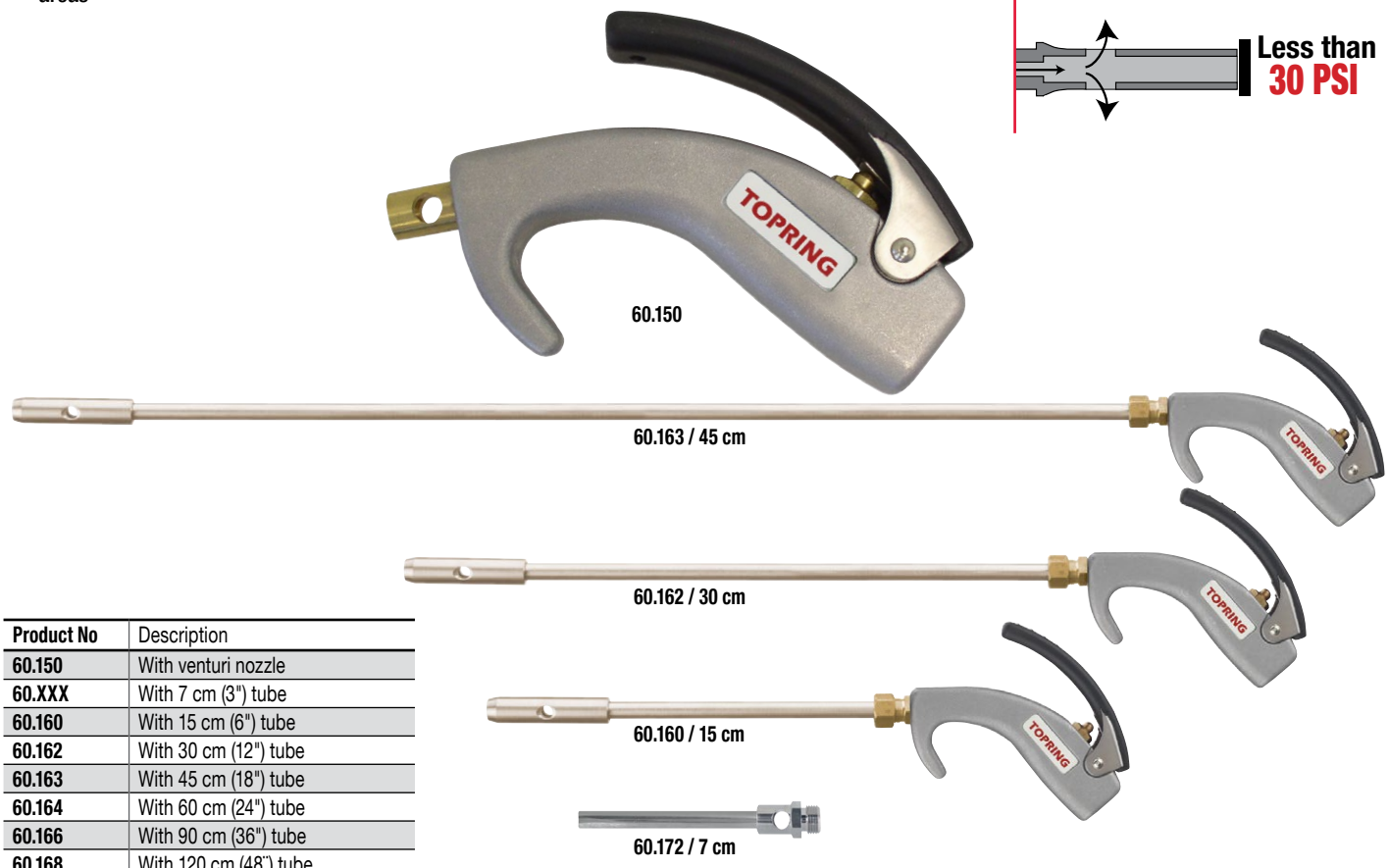
VENTURI NOZZLE



Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. Increased velocity and volume of air exiting the nozzle boosts available air thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the slots so the static pressure remains under 30 PSI (meeting OSHA standards).



Product No	Description
60.150	With venturi nozzle
60.XXX	With 7 cm (3") tube
60.160	With 15 cm (6") tube
60.162	With 30 cm (12") tube
60.163	With 45 cm (18") tube
60.164	With 60 cm (24") tube
60.166	With 90 cm (36") tube
60.168	With 120 cm (48¨) tube
60.172	7 cm (3¨) steel extension + nozzle

TYPHOON
EXTREME PERFORMANCE
SAFETY AIR GUNS WITH VENTURI NOZZLE



TYPHOON blow guns are designed to provide 100% of compressor power.
In order to do this, airflow must be sufficient from the compressor to the gun.

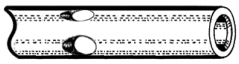
Designed specifically for heavy-duty industrial and construction applications where large quantities of debris need to be moved in no time and where maximum thrust is required.

- Extremely powerful
- Rugged all metal construction
- Adjustable auxiliary handle for two-handed operation
- Ergonomic handle also protects trigger from wear and abuse
- Extended trigger allows full hand operations
- If tip is blocked, static pressure will remain at less than 30 PSI to meet OSHA and other Health and Safety Agencies' standards

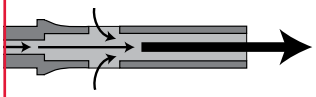
Material
Body: Aluminum

Specifications
Maximum Output Thrust: 13.5 lbf
Noise Level: 121 dB
Air Consumption: 185 SCFM
Maximum Working Pressure: 120 PSI
Working Temperature: -40 to 65 °C
Thread: 3/4 (F) NPT

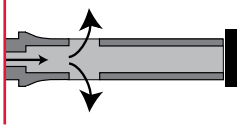
VENTURI NOZZLE



Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. Increased velocity and volume of air exiting the nozzle boosts available air thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards).





Product No	Description
60.702	With 60 cm (24") tube
60.703	With 90 cm (36") tube
60.700	With 120 cm (48") tube
60.705	With 182 cm (72") tube

CAUTION
It is recommended to use a safety coupler to prevent accidental disconnections

INFORCER

ERGONOMIC EXTREME PERFORMANCE SAFETY AIR GUNS WITH VENTURI NOZZLE

INFORCER blow guns are designed to provide 100% of compressor power. In order to do this, airflow must be sufficient from the compressor to the gun.

For any applications where large quantities of debris need to be moved in no time and where maximum thrust is required.



- Extremely powerful
- Rugged all metal construction
- Adjustable auxiliary handle for two-handed operation
- Ergonomic handle also protects trigger from wear and abuse
- Extended trigger allows full hand operations
- If tip is blocked, static pressure will remain at less than 30 PSI to meet OSHA and other Health and Safety Agencies' standards

Material

Body: Aluminum

Specifications

Maximum Output Thrust: 12 lbf

Noise Level: 121 dB

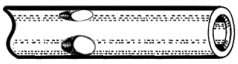
Air Consumption: 185 SCFM

Maximum Working Pressure: 120 PSI

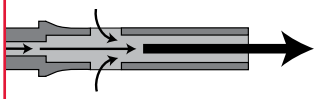
Working Temperature: -40 to 65 °C

Thread: 3/4 (F) NPT

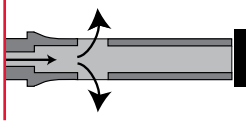
VENTURI NOZZLE



Airflow speeds up as it passes through the nozzle, drawing in ambient air through two side ports. Increased velocity and volume of air exiting the nozzle boosts available air thrust.



Should the tip of the nozzle be blocked, the entire airflow will be diverted through the side openings so the static pressure remains under 30 PSI (meeting OSHA standards).





Product No	Description
60.750	With 120 cm (48") tube
60.760	With 182 cm (72") tube

CAUTION

It is recommended to use a safety coupler to prevent accidental disconnections

COMPRESSED AIR BRAKE BLEEDER

Bbrake bleeders are used for bleeding and refilling the brake system of all types of vehicles.



- Brake bleeder operated by one person allowing labor and cost savings
- Compact size fits easily in the wheel area
- Automatic shutoff prevents overfill
- Clear drain tubing provides visible inspection of the old fluid during bleeding
- Universal type rubber nozzle

Specifications

Working Pressure: 90 to 175 PSI

Airflow: 6 SCFM at 115 PSI

Air inlet: 1/4 (F) NPT



Product No	Description
61.105	1.2 L brake bleeder
61.115	1.2 L brake bleeder with replenishment system

REPLACEMENT PART

Product No	Description
61.102	Replacement rubber nozzle

YouTube

Watch the video "AIRPRO TOPRING Brake Bleeders" on Topring.com /Resources /Our YouTube channel.

UNDERSEAL GUN





For the treatment and maintenance of cars and other vehicles that are subject to corrosion and stone-chipping.

- Specially designed for rustproofing auto bodies
- Works with most types of anti-rust fluids and undersealers available on the market
- Complete with adjustable nozzle which can be set depending on viscosity of liquid in use
- Nozzle can be replaced by an extension probe (61.135) for use when applying rust proofing liquids of low viscosity to the inside of doors and panels

Specifications

Maximum Working Pressure: 232 PSI

Working Temperature: -10 to 80 ºC

Airflow Consumption:
13.5 SCFM with standard nozzle to 116 PSI
6.5 SCFM with flexible extension probe to 116 PSI

Air inlet: 1/4 (F) NPT



Product No	Description
61.120	Underseal gun with 1.2 L plastic container

REPLACEMENT PART

Product No	Description
61.109	Acetal nozzle



Product No	Description
61.121	Underseal gun with 1.2 L plastic container and 90 cm flexible extension probe

REPLACEMENT PART

Product No	Description
61.135	90 cm flexible extension probe

CAUTION

The flexible extension probe should never be used for high viscosity fluids

ENGINE CLEANER GUN

Designed to spray efficiently cleaners into engine compartments.



- High vacuum siphon for delivering liquid
- Pulverizes up to 50 liters of liquid per hour
- Screw adjustment to control liquid flow
- 30 cm (12 in) extension for hard-to-reach locations
- Ergonomic pistol grip
- Includes 152 cm (5 ft) siphon hose with weighted strainer

Specifications

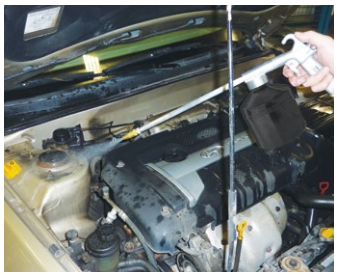
Maximum Inlet Pressure: 150 PSI
Working Pressure: 70 to 100 PSI
Airflow Consumption: 4 SCFM at 100 PSI
Air inlet: 1/4 (F) NPT

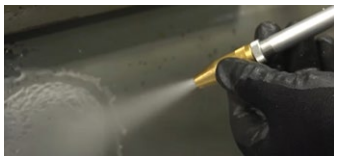


Product No	Description
61.165	Engine cleaner gun

PISTOL GRIP OIL SPRAY GUN

Designed to spray lubricants for trucks, automobiles, construction equipment and machinery.





- Heavy-duty air operated gun
- Delivers up to 56 L per hour at line pressure of 100 PSI
- Trigger and adjustable nozzle tip control spray volume and pattern
- Rugged and durable cast aluminum construction
- Pistol grip reduces hand fatigue
- Includes a rugged 1 L steel screw-on container

Specifications

Working Pressure Range: 80 to 150 PSI
Airflow Consumption: 8 SCFM at 115 PSI
Container Capacity: 1 L
Air inlet: 1/4 (F) NPT



Product No	Description
61.485	Oil spray gun

SIPHON SPRAY GUN

Designed to spray cleaners, oils, solvents, insecticides and coatings that are compatible with aluminum, zinc, brass, PVC and nitrile rubber.

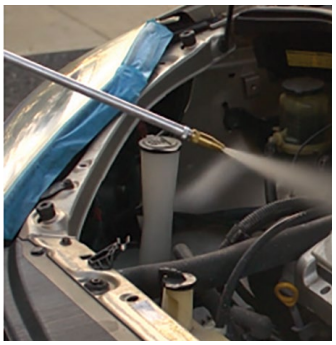
- Designed for heavy-duty use
- High vacuum siphon which can deliver up to 60 L per hour at line pressure of 100 PSI
- 30 cm (12 in) extension for hard-to-reach locations
- Trigger and adjustable nozzle tip control spray volume and pattern
- Rugged and durable cast aluminum construction
- Pistol grip reduces hand fatigue
- Includes a 1.8 m (6 ft) siphon hose and a brass sinker

Specifications

Working Pressure: 80 to 150 PSI

Airflow Consumption: 8 SCFM at 115 PSI

Air inlet: 1/4 (F) NPT







Product No	Description
61.480	Spray gun with 1.8 m siphon hose with brass sinker

WATER JET PRESSURE WASHER GUNS

These water jet guns turn any standard air compressor into a handy pressure washer by simply adding a water feed to the compressed air stream.

Inexpensive to own and operate also, they are ideal for all types of cleaning and washing jobs, and they eliminate the need for a separate pressure washer, saving money.

- Applies a high-pressure jet of water, detergent or degreaser to the toughest cleaning jobs
- Equipped with an adjustable trigger to control air volume and an adjustable spigot to direct the mixture of liquid and air, liquid only or air only
- Up to 145 L per hour at 100 PSI pressure
- Durable cast aluminum body with hanging hook and aluminum safety tip nozzle
- Powerful air/water flow for various washing and blasting applications
- Works with any standard shop air supplyand garden hose water supply
- Also works without water as a blow gun for drying and blowing applications



Specifications

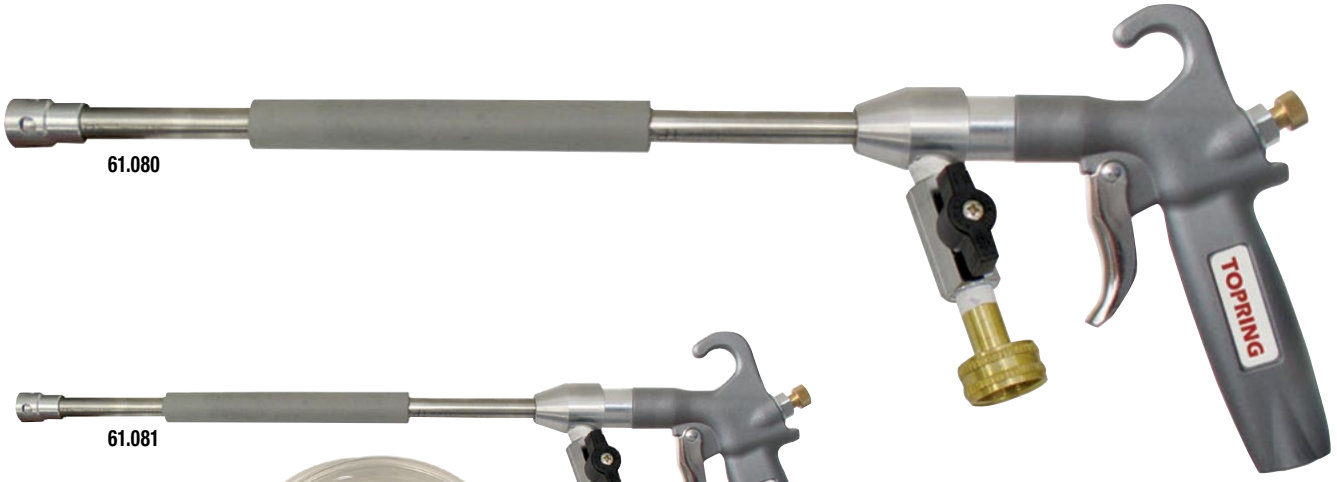
Maximum Water Working Temperature: 93˚C

Air Connection: 1/4 (F) NPT

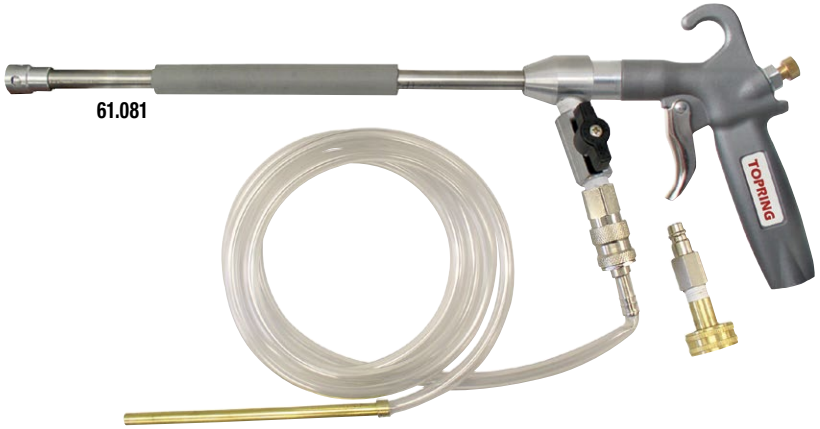
Liquid Connection: 3/4 (F) GHT

Flow : Up to 145 L per hour at 100 PSI pressure

61.080



61.081



Product No	Description
61.080	Water jet gun
61.081	Water jet gun with 1.8 m flexible siphon hose

MULTI-PURPOSE INDUSTRIAL SPRAY WATER GUNS

Versatile water guns offering a powerful flow to wash and deep clean dust, dirt and debris.

Designed for all types of industries requiring frequent washing or watering.

- Design and premium industrial quality
- Depending on the pressure exerted on the lever, all forms of jet are obtained, between a wide conical spray and a concentrated and powerful straight jet
- 61.212 model offered with a stainless steel 303 mechanism for a maximum resistance to corrosion
- Very light with its 440 grams
- Three rubber coated ends for greater impact resistance while eliminating the risk of scratches on fragile surfaces
- The protective arch surrounding the lever, protects against involuntary triggering in the event of impact
- Hook to hold the lever in the open position during long periods of use

Materials

Body:
61.210: Polypropylene and fiber glass
61.212: Nylon and fiber glass

External Coating: Polyamid

Mechanism:
61.210: Brass
61.212: Stainless steel 303

Specifications

Working Temperature: 61.210: 50 °C / 61.212: 80 °C

Working Pressure: 175 PSI

Air Inlet: 1/2 (F) BSPP

Flow: 50 L/min at 175 PSI

61.210



61.212







Product No	Description
61.210	Water spray gun
61.212	Water spray gun with stainless steel mechanism

COMPATIBLE WITH WATER HOSE REELS:



79.138
Water hose reel
MAXREEL/FLEXHYBRID
1/2 x 50'



79.140
Water hose reel
MAXREEL/THERMOFLEX
1/2 X 50'



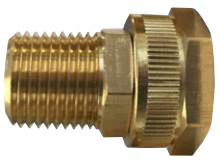
79.149
Hot water hose reel
AIRFLEX
1/2 X 50'

For more details and other water hose reels available, see Series 79

INSTALLATION TIP

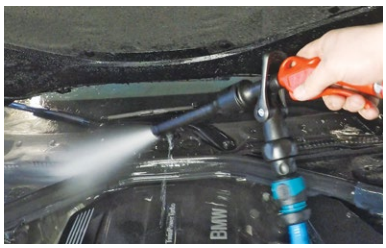
To convert BSPP thread to NPT thread, it is strongly recommended to use a 1/2 (M) NPT fitting with sealing tape, for a completely watertight result.

For use on a TOPRING water hose reel with 3/4 outlet (M) GHT or garden hose, it is recommended to use a garden hose fitting 3/4 (F) GHT x 1/2 (M) NPT (41.209).



AIR-POWERED WASHING GUN

A powerful washing gun that does not damage surfaces and allows the user to get close without getting splashed thanks to its wide jet nozzle concept.





- Using the independent settings for air flow and water flow, this gun can easily be adjusted for water jet power as needed
- Perfect for cleaning hard to reach places
- Water can be turned off directly on the washing gun using the adjustable trigger
- Built-in swivel connector allows the water hose to rotate freely around the washing gun
- The water hose can be connected using the supplied 1/2 connector at fits garden hose quick couplers or by using the built-in 3/4 GHT (garden hose thread)

Material

Body: Acetal

Specifications

Working Pressure: 87 to 145 PSI

Air Consumption: 7 SCFM

Minimum Air Compressor Required: 2.5 HP

Air Inlet: 1/4 (F) NPT

Water Connection: 1/2 connector or 3/4 (F) GHT



Product No	Description
61.140	Air-powered washing gun

Tire inflation









Group 4 • Series 63

TOPRING

Compressed air solutions

TIRE INFLATION TOOLS

THE IMPORTANCE OF ADEQUATE TIRE PRESSURE

The rim and tire form an air reservoir that, when inflated to the proper pressure, carries the weight of a vehicle. Since air pressure supports 95% of the weight of the vehicle, inflation plays a crucial role in tire efficiency.

When inflated according to the manufacturer's specifications, the tires will offer optimal performance; However, improper tire pressure will lead to poor perfomance and pre-mature wear not to mention increase fuel consumption.

The recommended pressure for the front wheels, rear wheels and spare tire of a vehicle should be respected. It is indicated on the tire information sheet that is usually located on the driver's door edge, door post, glove compartment, fuel door or owner's manual.

INFLATION AND TIRE WEAR

UNDER-INFLATION

Under-inflation of a tire increases rolling resistance, which reduces its lifespan. Driving a vehicle with a single underinflated tire of 8 PSI will also increase fuel consumption by 4%. For your own safety, avoid driving a vehicle when the tires are significantly underinflated as it may blow-out.

OVER-INFLATION

If a tire is over-inflated, only the center of the tread contacts the roadway. A smaller area in contact with the road means less adhesion, resulting in bumpy driving, poor handling (such as steering or braking problems) and tire and suspension wear.

TECH TIP

For safety reasons and to reduce tire wear as well as fuel consumption, it is recommended to check the tire pressure once a month and before any long distance drive.

The pressure should be checked when the tires are cold (vehicule has been stationary for at least three hours or when driving less than 2 km).

CONTACT OF THE TIRE WITH THE PAVEMENT



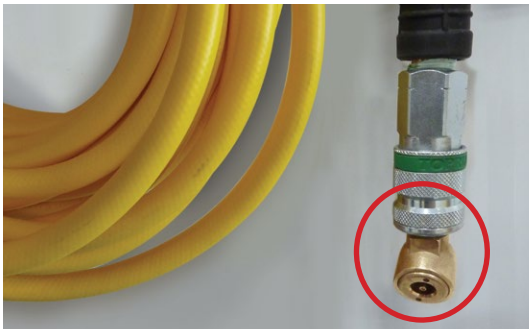
The dial gauges make it easy to maintain the right pressure and provide a much more accurate reading than the pressure reader available at gas stations.

TOPRING offers several types of tools to check tire pressure: pressure gauges, indicators with dial gauge or digital gauge and inflator gauges.

They are all compatible with nitrogen.

CLOSED AIR CHUCKS

- Mounts directly at the end of the air hose
- This chuck has a built-in shut-off valve to stop airflow when chuck is not used
- The air will escape only during inflation (in contact with the tire valve)



CLOSED BALL FOOT AIR CHUCKS



Product No	Description
63.110	1/4 (F) NPT



Product No	Description
63.130C	1/4 (F) NPT



Product No	Description
63.133	1/4 Hose barb



Product No	Description
63.135	1/4 (M) NPT



Product No	Description
63.137C	1/4 INDUSTRIAL

CLOSED EXTENDED DUAL FOOT AIR CHUCKS

Angled head can inflate either side.
Extended chuck is for hard-to-reach tire valves (trucks, buses and tractors) (63.150)



63.150



63.140C

Product No	Thread (F) NPT	Length
63.140C	1/4	15 cm
63.150	1/4	34 cm

CLOSED TILT LOCK DUAL FOOT AIR CHUCKS

Extended chuck for hard-to-reach tire valves (63.170C)

Direct insertion chuck with serrarated heads allowing the chuck to cling tightly to the valve with a slight lateral pressure for safe inflation



63.170C



63.160C

Product No	Thread (F) NPT	Length
63.160C	1/4	15 cm
63.170C	1/4	34 cm

CLOSED LOCK-ON AIR CHUCKS

Securely locks onto valves when pushed forward. Allows users to stand clear for tire inflation.

Releases when pulled back



63.245

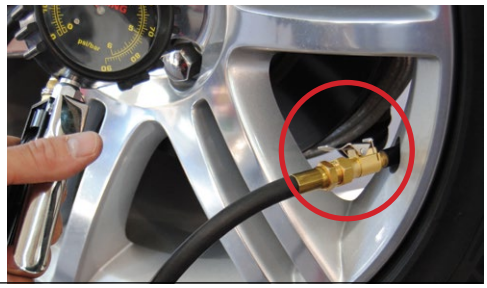


63.100

Product No	Description	Length
63.100	Air chuck	---
63.245	Dual foot lock-on air chuck	17 cm

OPEN-AIR CHUCKS (FLOW-THRU)

- Since they do not have a built-in shut-off valve, air will flow freely if installed directly on an air hose
- They must be installed on an inflator gauge which controls airflow



OPEN CLIP-ON CHUCKS

Firmly hold the chuck on the valve during inflation.

The 63.203 is the replaceable clip-on air chuck for the **TOPRING** gauges.

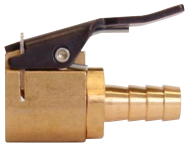
STRAIGHT WITH CLIP-ON



Superior Quality

Product No	Description
63.203	1/4 (F) NPT

STRAIGHT WITH CLIP-ON



Product No	Description
63.205C	1/4 Hose Barb

WITH CLIP-ON



Product No	Description
63.210	1/4 (F) NPT

HEXAGONAL



Product No	Description
63.230	1/4 (F) NPT

OPEN DUAL FOOT AIR CHUCKS

Extended chucks for hard-to-reach tire valves (trucks, buses and tractors)



63.250



63.240

Product No	Thread (F) NPT	Length
63.240	1/4	15 cm
63.250	1/4	34 cm

QUICK CONNECT AIR CHUCK WITH AIRTIGHT VALVE

- Industrial premium quality
- Quick and 100% airtight connection to the tire valve
- Single push-to-connect operation

Materials

Body: Galvanized Steel
Internal Mechanism: Acetal plastic and stainless steel
Sleeve: Galvanized Steel
Gasket: NBR Nitrile Rubber
Spring: Stainless Steel

Specifications

Maximum Working Pressure: 232 PSI
Working Temperature: -20 to 60°C



Product No	Thread	Type
63.101	1/4 (F) NPT	Open



Product No	Thread	Type
63.102	1/4 Barbillon	Open



Push the connector into the valve to connect



Pull the sleeve to disconnect

Large bore TIRE GAUGE AND AIR CHUCKS

Ideal for heavy-duty vehicles and agriculture equipment.



SWIVEL FOOT LARGE BORE TIRE GAUGE

Swivel air chuck adjusts to straight push-on or right angle, works on valves with shield.

10-150 PSI



360°



Product No	Length
63.610	23 cm

Nylon indicator bar with single calibration

PSI: 10 to 150 PSI / 2 PSI resolution

LONG DUAL FOOT AIR CHUCKS



Product No	Thread (F) NPT	Length	Type
63.620C	1/4	34 cm	Closed
63.625C	1/4	34 cm	Opened

LOCKABLE AIR CHUCK

- Safe
- Ergonomic
- Intensive use

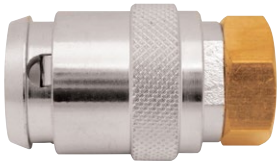
Specifications

Thread: 1/4 (F) NPT



HOW IT WORKS

Chuck snaps on large bore valve when the sleeve is moved forward and is released when the sleeve is pulled back.



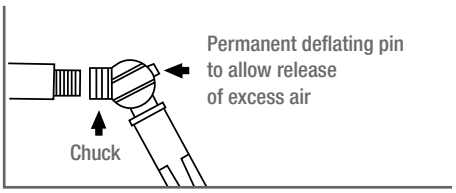
Product No	Thread (F) NPT	Type
63.105	1/4	Closed

CAUTION

High pressure: to avoid injury from the fitting blow-off of a blocked tip, only use compressed air with a preset regulator set at less than 300 PSI.

STANDARD TIRE GAUGES
PENCIL TYPE

- All pencil type tire gauges have a precision-engineered brass air chuck to ensure gauge fits squarely on the valve. This prevents air leakage and guarantees accurate pressure readings
- Easy to read and use
- All models have a tough, Chrome plated finish
- All models use a 4-sided indicator bar for easy pressure readings
- Nitrogen compatible



TRACTOR AIR/LIQUID TIRE GAUGE

Specially designed for air or liquid filled tires
Nylon indicator bar with double calibration





Product No
63.440C

PSI: 5 to 50 PSI / 1 PSI resolution
kPa: 50 to 350 kPa
Stainless Steel Spring

STANDARD TIRE GAUGE

Ideal for automobiles and light trucks
Nylon indicator bar with double calibration





Product No
63.400C

PSI: 5 to 50 PSI / 1 PSI resolution
kPa: 50 to 350 kPa

EXTRA-LOW PRESSURE TIRE GAUGE

Specially designed for applications requiring accurate low pressure readings
ATV vehicles, airlifts, garden tractors, air shocks, etc.
Nylon indicator bar with double calibration





Product No
63.460C

PSI: 1 to 20 PSI / 0.5 PSI resolution
kPa: 10 to 140 kPa

STRAIGHT CHUCK TIRE GAUGE

Ideal for automobiles and light trucks
Nylon indicator bar with double calibration





Product No
63.330C

PSI: 5 to 50 PSI / 1 PSI resolution
kPa: 50 to 350 kPa

HIGH-PRESSURE TIRE GAUGE

For high pressure bicycle and motorcycle tires
Nylon indicator bar with double calibration





Product No
63.410C

PSI: 10 to 120 PSI / 2 PSI resolution
kPa: 90 to 820 kPa

DUAL FOOT TIRE GAUGES
FOR TRUCKS AND BUSES

- All dual foot truck tire gauges have precision-engineered brass chuck guides to ensure gauge fits squarely on the valve
- This prevents air leakage and guarantees accurate pressure readings
- Resistant chrome plated finish
- Nitrogen compatible

DUAL FOOT TIRE GAUGE

Ideal for high pressure applications, especially suited for heavy duty environments

Nylon indicator bar with double calibration

PSI: 10 to 150 PSI / 2 PSI resolution
kPa: 100 to 1 000 kPa


10-150 PSI





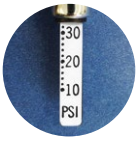
Product No	Length
63.540C	30 cm

DUAL FOOT TIRE GAUGE

Nylon indicator bar with double calibration

PSI: 10 to 120 PSI / 2 PSI resolution
kPa: 90 to 820 kPa


10-120 PSI





Product No	Length
63.500C	15 cm

DUAL STRAIGHT CHUCK TIRE GAUGE

Straight-on chuck head with a 30° reverse angle chuck for inside and outside tandem wheels

Nylon indicator bar with double calibration

PSI: 10 to 150 PSI / 2 PSI resolution
kPa: 100 to 1 000 kPa


10-150 PSI





Product No	Length
63.570C	28 cm

DUAL FOOT TIRE GAUGE

Aluminium indicator bar with double calibration

PSI: 10 to 160 PSI / 2.5 PSI resolution
kPa: 100 to 1 100 kPa


10-160 PSI





Product No	Length
63.545C	27 cm

COMPACT DIAL TIRE GAUGES



- Durable steel case with polished Brass bezel and 50 mm dial
- 63.582 reads from 0 to 160 PSI / 63.590 reads from 0-60 PSI
- Excellent for all types of passenger vehicles
- Full geared, solid brass precision movement with bronze bourdon tube. Unlike piston-plunger-type gauges, bourdon tube is not affected by changes in temperature, humidity or altitude
- Pressure readings are held until the release button is depressed
- Bleeder button to release excess air to exact desired pressure
- Include protective rubber gauge guard
- Nitrogen compatible

SWIVEL ANGLE AIR CHUCK



0-160 PSI



Product No	Air Chuck
63.582	Swivel angle

STRAIGHT AIR CHUCK



0-60 PSI



Product No	Air Chuck
63.590	Straight



Download the automobile maintenance catalogue including a selection of products most frequently used in mechanical workshops, body shops and maintenance workshops for heavy trucks!

DIGITAL TIRE GAUGE





- Reads from 2 to 100 PSI
- Displays in resolution of 0.5 PSI
- Calibration in PSI, bar, kPa, and kg/cm2
- Auto shut off
- Digital accuracy of ± 1%
- Backlit LCD for easy reading
- Streamlined ergonomic shape
- Lightweight and compact size
- Nitrogen compatible



Product No
63.630

PROFESSIONAL DIGITAL TIRE GAUGES





- Reads from 2 to 150 PSI
- Displays in resolution of 0.5 PSI
- Calibration in PSI, bar, kPa, and kg/cm2
- Auto shut off
- Digital accuracy of ± 0.5 PSI
- Backlit LCD for easy reading
- Streamlined ergonomic shape
- Nitrogen compatible



63.642



63.640

Product No	Air Chuck
63.640	Angle
63.642	Dual foot

HEAVY-DUTY PROFESSIONAL INFLATOR GAUGE FOR HEAVY VEHICLES
INTENSIVE USE

0-170 PSI



- Designed for heavy vehicles with high-pressure tires and other types of vehicles
- Large 90 mm gauge with accurate pressure reading from 0 to 170 PSI (0-12 bar) / 2 PSI resolution
- Gauge protected from high pressure (max 350 PSI)
- 45° angle swivel gauge with rubber protector
- High resistance to impacts
- Rugged hanging steel ring
- Heavy duty pistol grip (zinc/brass alloy)
- 3 functions: inflation, deflation and tire pressure measurement
- Replaceable 2 m flexible hose
- Replaceable clip-on air chuck 1/4 (M) NPT (63.203)
- Nitrogen compatible

Specifications

Working Pressure: 0 to 170 PSI
Maximum Inlet Pressure: 350 PSI
Working Temperature: 0 to 40 °C
Air Inlet: 1/4 (M) NPT

TOPRING COMPATIBLE AIR CHUCKS:

63.100: Automatic lock-on
63.203: Straight Clip-on
63.210: Ball foot clip-on
63.240: Dual foot
63.245: Dual foot lock-on
63.250: Extended tilt lock dual foot
63.625C: Large bore extended dual foot



IDEAL FOR HEAVY VEHICLES

Replaceable 2 m flexible hose allows the use of the gauge from a safe distance from the tire during inflation in a cage (required by safety agencies).



Product No	Description
63.692	Gauge with 2 m (78 in) hose and clip-on air chuck (0 to 170 PSI)
63.696	Replacement gauge (0 to 170 PSI)
63.698	Replacement gauge (0 to 90 PSI)
63.699	Replacement hose 1 m (39 in) (air chuck not included)
63.695	Replacement hose 2 m (78 in) (air chuck not included)

DIGITAL TIRE INFLATOR GAUGE

7-174 PSI

- Ideal for exact pressure inflation on North-American and imported vehicles equipped with TPMS pressure sensors
- Large 90 mm LCD display for pressure reading from 7 to 174 PSI (0-12 bar) / 0.1 resolution
- 3 functions: inflates, deflates and measures tire pressure
- 4 pressure reading measures PSI, BAR, KGF, and KPA
- Automatic shut off after 90 seconds to increase battery life time
- Spare battery included and easy to change
- Gauge encased in a rubber protector for high impact resistance
- Interchangeable clip-on air chuck (63.203)
- Flexible 1 m (39 in) hose
- Optional 2 m (78 in) hose allows the use of the gauge from a safe distance from the tire during inflation in a cage
- Nitrogen compatible



Specifications

Working Pressure: 7 to 174 PSI
Maximum Inlet Pressure: 232 PSI
Working Temperature: 0 to 40 °C
Air Inlet: 1/4 (F) NPT
Battery: AAA



Allows precise tire inflation avoiding false warning messages



Product No	Description
63.661	Gauge with 1 m (39 in) hose and clip-on air chuck
63.694	Replacement gauge (7 to 174 PSI)
63.697	2 m (78 in) replacement hose and air chuck included
63.690	1 m (39 in) replacement hose and air chuck included

PROFESSIONAL DIAL TIRE INFLATOR GAUGE

7-180 PSI

- Ideal for exact pressure inflation on North-American and imported vehicules equipped with TPMS pressure sensors
- Clear and easy-to-read 80 mm dial display with accurate pressure reading from 7 to 180 PSI (0.5-12 BAR) / 2 PSI resolution
- 3 functions: inflates, deflates and measures the pressure
- Die cast aluminium unit with rubber lever makes it high impact resistance
- Rubber sleeve for increased comfort and durability
- Interchangeable clip-on air chuck (63.203)
- Flexible interchangeable 1 m (39 in) hose
- Optional 2 m (78 in) hose allows the use of the gauge from a safe distance from the tire during inflation



Specifications

Working Pressure: 7 to 180 PSI
Maximum Inlet Pressure: 232 PSI
Working Temperature: 0 to 40 °C
Air Inlet: 1/4 (F) NPT





Product No	Description
63.683	Gauge with 1 m (39 in) hose and clip-on air chuck
63.693	Replacement gauge (7 to 180 PSI)
63.697	Replacement hose 2 m (78 in) air chuck included
63.690	Replacement hose 1 m (39 in) air chuck included

HIGH PERFORMNACE DIGITAL TIRE GAUGE

0-145 PSI

- 3 functions in 1: inflation, deflation and pressure reading
- Pressure accuracy:
  From 0 to 58 PSI: 1.16 PSI / From 59 to 145 PSI: 2.32 PSI
- Reading pressure resolution: 0.1 PSI
- 4 choices of pressure units: PSI, BAR, KPA and kg/cm²
- Digital display on large backlit screen
- Gauge closes after 30 seconds of inactivity
- Lights off after 5 seconds of inactivity
- Central inflation/deflation button for easy use with left or right hand
- 1 meter flexible rubber hose with quick connect air chuck and airtight valve
- Easy to replace CR2032 lithium battery
- Shockproof rubber protector
- Compliant with guidelines RoHS
- Nitrogen compatible



Specifications

Working Pressure: 0-145 PSI
Working Temperature: -20 to 60°C
Air Inlet: 1/4 (F) NPT
Battery: Lithium CR2032, 3 Volts (1x included)



Push the connector into the valve to connect



Pull the sleeve to disconnect



Product No	Description
63.646	Digital tire gauge with quick connect air chuck

QUICK CONNECT AIR CHUCK WITH AIRTIGHT VALVE

- Industrial premium quality
- Quick and 100% airtight connection to the tire valve
- Single push-to-connect operation
- Closed type

See more details page 4



Product No	Thread	Type
63.101	1/4 (F) NPT	Open



Product No	Thread	Type
63.102	1/4 Barbillon	Open

AIRPRO
INFLATOR GAUGE





- Easy to read 60 mm gauge calibrated 0 to 174 PSI (0-12 bar) 2 PSI resolution
- 1.8 m flexible rubber hose allows user to work standing up (preventing back injuries)
- Allows user to keep a safe distance from the tire while inflating or deflating
- Integrated valve allows slow release of tire pressure to desired level
- Rugged construction for everyday use
- Includes 2 interchangeable air chucks: a clip-on air chuck to securely hold the air chuck on the valve while inflating and a dual foot air chuck for valves that are difficult to access (trucks, tractors, bus)
- 3 functions: inflation, deflation and tire pressure measurement
- Gauge encased in a rubber protector for impact resistance
- Easy to hang, light and ergonomic handle
- Nitrogen compatible





Specifications

Working Pressure: 0 to 174 PSI
Maximum Inlet Pressure: 174 PSI
Working Temperature: -20 to 60 °C
Air Inlet: 1/4 (F) NPT



INCLUDES 2 INTERCHANGEABLE AIR CHUCKS



Clip-on air chuck



Dual foot air chuck

Product No	Description
63.651	Gauge with clip-on air chuck & dual foot air chuck
63.673	Replacement gauge (0 to 174 PSI)
63.682	1.8 m (71 in) replacement hose

PISTOL GRIP DIAL INFLATOR GAUGES



- Inflator gauges developed for exact pressure inflation on North-American and imported vehicles equipped with TPMS pressure sensors
- 60 mm gauge for accurate pressure reading from 0 to 90 PSI (0-6 bar) / 1 PSI resolution
- Air pressure set without touching tire or valve core
- Gauge encased in a rubber protector
- 3 functions: inflation, deflation and tire pressure measurement
- Rugged metal body
- Flexible 38 cm (15 in) rubber hose



Specifications

Working Pressure: 0 to 90 PSI
Maximum Inlet Pressure: 90 PSI
Working Temperature: 0 to 40 °C
Air Inlet: 1/4 (M) NPT



63.710
Gauge with
dual foot air chuck



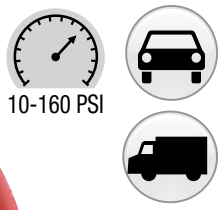
63.711
Gauge with
clip-on air chuck



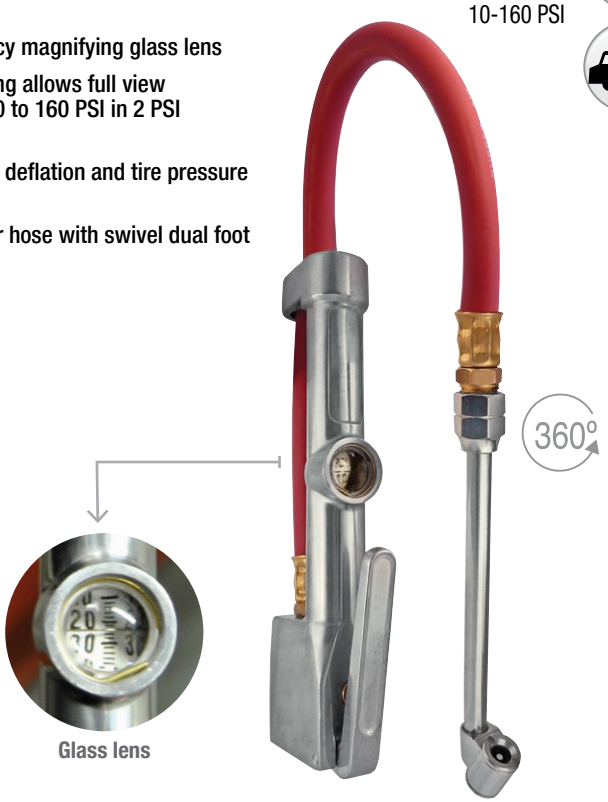
The professional tire gauges allow precise tire inflation avoiding false warning messages

Product No	Description (0 to 90 PSI)
63.710	Gauge with dual foot air chuck (0 to 90 PSI)
63.711	Gauge with clip-on air chuck (0 to 90 PSI)
63.718	Replacement gauge (0 to 90 PSI)

LEVER TYPE INFLATOR GAUGE WITH GLASS LENS



- Easy-to-read accuracy magnifying glass lens
- Thin-line indicator ring allows full view of scale calibrated 10 to 160 PSI in 2 PSI resolution (0-11 bar)
- 3 functions: inflation, deflation and tire pressure measurement
- 38 cm flexible rubber hose with swivel dual foot air chuck
- Nitrogen compatible

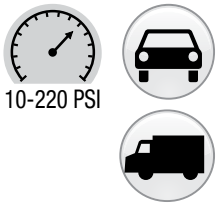






Product No	Description
63.658C	Gauge with swivel dual foot air chuck

LEVER TYPE DIAL INFLATOR GAUGES



- All-purpose gauge for passenger vehicles and heavy-duty trucks
- 3 functions: inflation, deflation and tire pressure measurement
- Large, easy-to-read 50 mm dial gauge calibrated 10 to 220 PSI in 2 PSI resolution
- Gauge encased in a rubber protector
- 30 cm flexible hose with clip-on air chuck
- Nitrogen compatible







Product No	Description
63.659C	Gauge with clip-on air chuck
63.666	Replacement gauge (10-220 PSI)

TRUCK TIRE INFLATOR KIT

Inflator kit for truck tires allowing the transfer of compressed air between suspension systems thanks to its universal glad hand.



Specifications

AIR HOSE
Thread: 1/4 (M) NPT
Material: Technopolymer
Maximum Working Pressure: 300 PSI
Working Temperaure: -40 to 65 °C

AIR CHUCK
Thread: 1/4 (F) NPT

Pre-assembled kit includes:

- 3/8" X 50 ft ultra-flexible technopolymer air hose offering a very good performance in cold weather (-40 °C) with bend restrictor at both ends
- 34 cm closed tilt lock dual foot air chuck
- 1/2 (F) universal glad hand with 1/2 (F) x 1/4 (F) reduction fitting

Product No	Description
63.305	Truck tire inflator kit

TIRE TREAD DEPTH INDICATOR



- A handy tool that quickly and accurately measures tire tread left on the tire
- Calibrated in 1/32 in units and mm
- Convenient pocket clip

Product No
63.700C

TIRE VALVE REPAIR TOOL

- Corrosion-resistant finish
- Hardened steel body
- Deep knurled body for a positive gripping
- Ergonomic design
- Repairs inside and outside valve threads, inserts and removes cores from valves



Product No
63.900C

TIRE VALVE CORE EXTRACTOR

- For inserting and removing tire valve cores
- Plastic (PP) handle and hardened steel rod

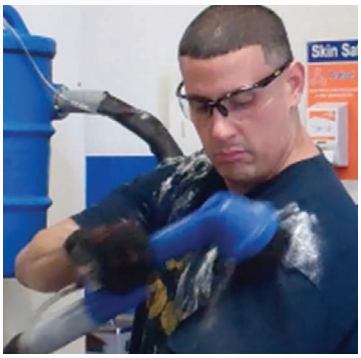


Product No	Length
63.930C	15 cm

NOTES

Compressed air vacuums






Group 4 • Series 66-67

TOPRING

Compressed air solutions

SAFETY PERSONAL CLEANING UNITS

PERSONAL CLEANING
DRY AND WET DEBRIS

These TOPRING personal cleaning units collect dust, powder, sawdust, debris and various particles and are the safest solution for cleaning users' clothes and skin. The static conductive vacuum is designed to prevent static build up in a controlled manner while dissipating harmful electric charges.

- Fast and efficient cleaning powered by compressed air
- Safe, no electrical motor, therefore no risk of sparks; no power cord, therefore risk of tripping
- Meets OSHA and other Health and Safety Agencies Standards
- Available with or without air agitator brush / with standard or HEPA filter
- Mounts on any vertical surface saving floor space
- Easy maintenance
- Drain for of liquid evacuation





YouTube

Watch the video "Topring Safety Cleaning Unit" on Topring.com / Resources/Our YouTube Channel

Specifications

Capacity: 20 L

Weight: 5.9 kg

Air Requirements:
Inlet: 3/8 (F) NPT
Air Consumption: 21 CFM
Air Pressure:
69.200 / 69.201: 100 PSI
69.202 / 69.203 / 66.204: 80-120 PSI

Vacuum Performance:
Flow: 73 CFM
Vacuum: 5.66 in Hg
at 100 PSI / 77 in H_2O
Noise Level: 88 dB(A)

Filtration:
Standard: Filter with
77% efficient at 0.8 micron
HEPA: Filter with
99.97% efficient at 0.3 micron

Material: Blue or black polyethylene

SAFETY RULES CONCERNING CLEANING WITH COMPRESSED AIR

Q : Is it a good idea to use compressed air to blow dirt off clothing or work surfaces?

A : No.

Under no circumstances should anyone use compressed air to clean off clothing or any part of the body. Although many people know using compressed air to clean debris or clothes can be hazardous, it is still used because of old habits and the easy availability of compressed air in many workplaces.

Q : What should I use instead of compressed air for safety cleaning purposes?

A : It is recommend to use vacuum cleaner.

Today there are vacuum cleaners specifically designed for personal cleaning that meet the requirements of OSHA and various health and safety agencies.

CAUTION

Wherever compressed air blow guns are used for cleaning there is a real danger of injury to users and damage to equipment caused by particles being ejected and blown into the air.

The Safety Personal Cleaning Unit from **TOPRING** is the best solution for cleaning users clothing and minimizing injuries.

RECOMMENDATION

With the use of a personal cleaning unit, it is recommended to wear personal protective equipment (eye and face protection, hearing protectors, gloves, dust masks)

For more information on cleaning, visit:

CHSST
cchst.ca/oshanswers/safety_haz/compressed_air.html

CPSSTQ
centrepatronalsst.qc.ca/infos-sst/ le-point-sur/risque/air-comprime-nettoyage-de-vetements.html

Gouvernement du Canada
laws.justice.gc.ca/eng/regulations/SOR-86-304/page-24.html

Ontario Ministry of Labor
labour.gov.on.ca/english/hs/pubs/asbestos/asbst_11.php

Canadian Centre For Occupational Health and Safety (CCOHS)
oshanswers/safety_haz/compressed_air.html

SAFETY VACUUM UNIT

Product No	Description
66.200	Cleaning unit with standard filter
66.201	Cleaning unit with HEPA filter

INCLUDES:
- 10 feet (3 m) x 1-1/2 I.D. flexible vacuum hose
- 2 round brushes
- Steel wall mounting plate



Product No	Accessories and replacement parts
66.205	Standard filter 0.8 micron
66.208	HEPA filter 0.3 micron
66.206	Mounting plate
66.207	O-Ring
66.209	Exhaust bag - includes hose clamp
66.210	Flexible vacuum hose 1-1/2 in I.D. x 10 ft
66.211	Crevice tool 1-1/2 in O.D.
66.212	Round brush 1-1/2 in O.D.
66.213	Short bristles round brush

SAFETY VACUUM UNIT WITH AIR AGITATOR BRUSH

Product No	Description
66.202	Safety cleaning unit with air agitator and standard filter
66.203	Safety cleaning unit with air agitator and HEPA filter

INCLUDES:
- 5 feet (1.5 m) x 1-1/2 I.D. flexible vacuum hose
- Air-agitator brush attachment
- Steel wall mounting plate



Product No	Accessories and replacement parts
66.205	Standard filter 0.8 micron
66.208	HEPA filter 0.3 micron
66.206	Mounting plate
66.207	O-Ring
66.209	Exhaust bag - includes hose clamp
66.215	Flexible vacuum hose with air agitator

STATIC CONDUCTIVE SAFETY VACUUM UNIT WITH AIR AGITATOR BRUSH

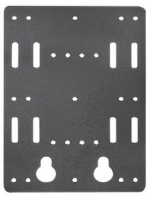
Product No	Description
66.204	Static-conductive safety cleaning unit with air agitator and standard filter

Product No	Accessories and replacement parts
66.205	Standard filter 0.8 micron
66.206	Mounting plate
66.207	O-Ring
66.209	Exhaust bag and hose clamp

INCLUDES:
- 5 feet (1.5 m) static-conductive flexible vacuum hose (1-1/2 I.D.)
- Non-conductive air-agitator brush attachment
- Steel wall mounting plate
- 20 ft static-conductive air hose supply



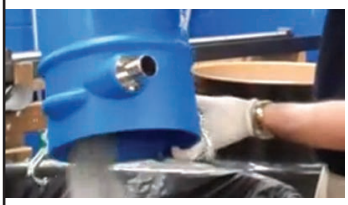
WALL MOUNTING PLATE



For wall-mounted installation facilitating the use of the station and its handling for simple and quick maintenance.



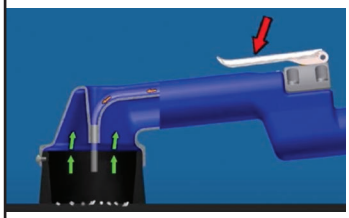


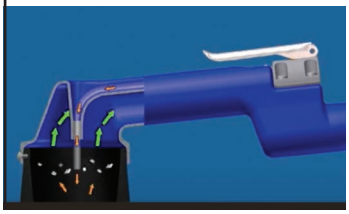


AIR AGITATOR: HOW DOES IT WORK?

By simply pressing the lever on the brush attachment, the air-agitator loosens and lifts particles and debris airborne where the vacuum sucks them away safely and effectively.







TOPVAC
VACUUM GUN KIT

- High power unit designed to vacuum: metal, wood and plastic chips, debris, sawdust, trimmings, crumbs, dust, powders and cloth scraps, paper, rubber and glass residues
- A safe alternative to blow guns for cleaning
- Total cleaning versatility without electricity or moving parts
- Comfortable and easy to use
- Rugged aluminum construction for intensive use

Specifications

Working Pressure Range: 80 to 150 PSI

Air Consumption: 29 SCFM at 100 PSI

Vacuum: 5.52 in Hg at 100 PSI
75 in H_2O at 100 PSI

Noise Level: 91 dB at 100 PSI inlet

Air Inlet: 1/4 (F) NPT





CAUTION

Blow guns should never be used to clean off clothes.

The TOPVAC is a safer and efficient alternative for cleaning off clothes.

Product No	Description
67.060	Vacuum gun with accessories
67.061	Reusable collector bag

INCLUDES:

- Reusable collector bag
- Swivel brush
- Flat brush
- Fibre bristle for use with crevice tool
- 30 cm crevice tool
- Upholstery/clothes tool

GUNVAC
VACUUM GUN KIT

- Powerful and quiet, vacuums metal chips, residues, trimmings and crumbs
- Unique venturi Jet creates a powerful vortex which multiplies input airflow more than 12 fold
- Durable ABS body, lightweight, easy to use with a comfortable grip
- Safe and efficient - no need for electricity
- Reusable collector bag with rear deflector to extend bag's lifespan



Specifications

Working Pressure: 60 to 100 PSI

Air Consumption: 10 SCFM at 100 PSI

Vacuum: 2.1 in Hg at 125 PSI / 29 in H_2O

Air Inlet: 1/4 (F) NPT



Product No	Description
67.050	Vacuum gun kit
67.051	Replacement bag



INCLUDES :

- Reusable collector bag
- 40 cm flexible hose
- Dust brush
- Crevice tool

DRUMVAC
VACUUM SYSTEM FOR DRY OR WET DEBRIS

Heavy-duty industrial vacuum designed for cleaning floors, workstations, grinders, drills and other industrial equipment

- Easy to install
- Vacuums chips directly into a 205 L drum (drum not included)
- Creates up to 30 % more suction than other shop vacuums
- 50 % quieter than electric vacuums
- Cleaning of various debris: sawdust, glass, filings, seeds and grains, liquid debris, metal shavings, ceramic dust, lint, food fragments, etc.
- Can be removed and easily placed onto another drum to keep different materials separate for recycling
- Can be used with any open head, steel or plastic

Specifications

Working Pressure Range: 80 to 120 PSI

Air Consumption: 30 SCFM at 80 PSI

Vacuum: 4.0 in Hg at 80 PSI / 54 in H_2O

Noise Level: 80 dB



Typical installation
Drum not included



Product No	Description
67.350	DRUMVAC system for 205 L
67.360	Replacement 5 micron air filter (3)

INCLUDES:

- Air pump
- 10 feet (3 m) vacuum hose
- Bolt-locking ring
- 5 micron filter bag
- On/off valve with pressure gauge
- Aluminum extension hoses
- Crevice tool
- Round brush
- Skimmer tool
- Squeegee
- Drum cover
- Drum dolly with plastic casters

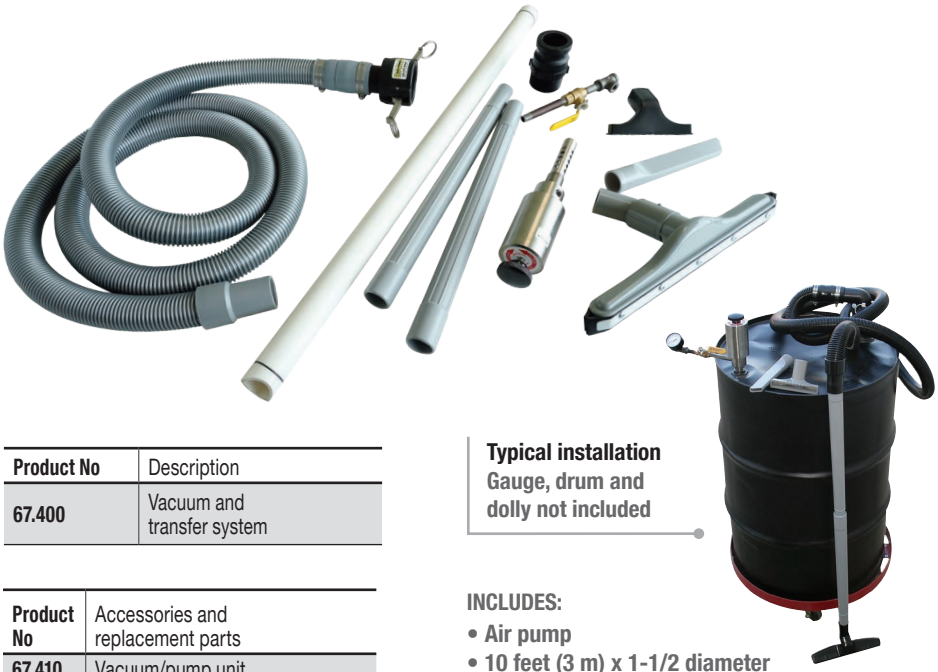
WETVAC
VACUUM AND LIQUID TRANSFER SYSTEM

Vacuum system designed to collect wet materials such as: coolants, hydraulic oils, non-flammable liquids, sludge, wet chips and waste water
Effortlessly collects high viscosity liquids.

- Quick and easy to use : transforms an ordinary 205 L drum into a powerful liquid vacuum cleaner - a simple two-way air control valve and 80 to 100 PSI air pressure allows pumping to a sealed drum
- Easily switches from vacuum mode, filling the container, to empty mode by turning the dial on top of the unit
- Instant ON/OFF control from air valve
- Safe in wet areas - no need for electricity - eliminates the risk of electric shocks often associated with electric pumps
- Eliminates double handling of toxic materials and emptying of vacuum container
- Automatic float valve to prevent overfilling
- Easy to clean, the pump can be completely disassembled, no moving parts
- 50% quieter than electric vacuums

Specifications

Working Pressure Range: 80 to 100 PSI
Air Consumption: 28 SCFM at 80 PSI
Vacuum: 8.5 in Hg at 80 PSI / 115 in H_2O
Noise level: 78 dB



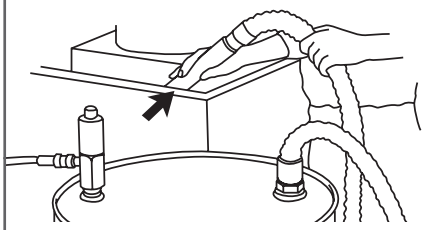
Product No	Description
67.400	Vacuum and transfer system

Typical installation
Gauge, drum and dolly not included

Product No	Accessories and replacement parts
67.410	Vacuum/pump unit
67.415	10 ft (3 m) vacuum hose
67.420	Squeegee
67.425	19 in (47.5 cm) extension tube
67.430	2 in male drum adapter
67.431	Female drum adapter
67.435	Crevice tool
67.440	Round brush
67.445	Skimmer

INCLUDES:
- Air pump
- 10 feet (3 m) x 1-1/2 diameter vacuum hose
- Male tapered drum adapter
- 2 extension tubes
- Crevice tool for hard to reach areas
- Skimmer tool
- Squeegee
- 3 ft (1 m) drain tube

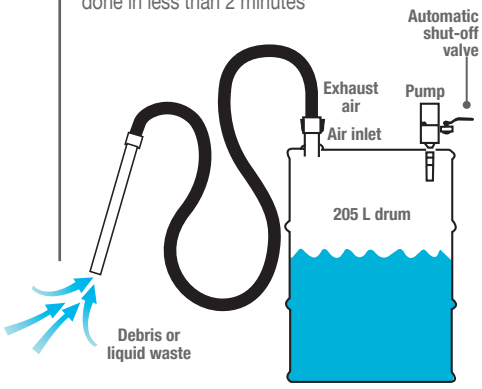
Liquid transfer



HOW IT WORKS

The suction pump is activated with compressed air which passes at a very high speed through an orifice of 0.002", creating a vacuum of 8.5 Hg @ 80 PSI in the drum

Draining or filling the 205 L barrel is done in less than 2 minutes



CAUTION

Static electricity caused by friction in the vacuum unit can be a fire hazard if used to pick up flammable liquids.

Do not use with plastic drum.

POWERVAC
COMPACT CART-BASED VACUUM SYSTEM FOR DRY OR WET DEBRIS

Versatile and compact vacuum cleaner offering the same performance as a large format model. Ideal for picking up chips, dust, debris, liquids or sludge. Perfect for workshops, laboratories and general maintenance.

- Powered by compressed air, always reliable and trouble-free, with no motor or moving parts to wear out
- 75L capacity
- Easy to maneuver

Specifications

Working Pressure Range: 80 to 100 PSI

Air Consumption: 47 SCFM at 80 PSI

Vacuum: 213 in H_2O

Noise Level: 100 dB

Air inlet : 1/2 (F) NPT



Product No	Description
67.202	75 L cart-based POWERVAC vacuum system
67.510	Standard 10 micron replacement filter

INCLUDES :

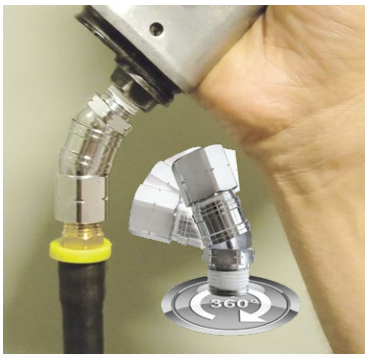
- Air pump
- 75 L drum
- Standard 10 micron catridge filter
- Air hose 3/4 I.D. x 20 ft
- 1.5 in x 20 ft standard vacuum hose
- 24 in metal crevice tool
- 4 ft aluminum wand with 12 in wide floor tool
- Drum dolly

NOTES

In-line filters, regulators and air tool lubricators







Group 4 • Series 62

TOPRING

Compressed air solutions

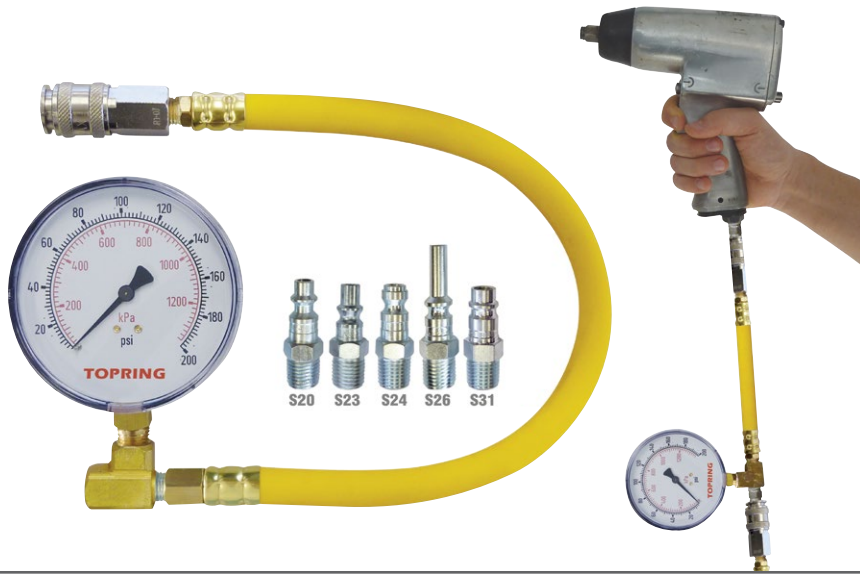
THE IMPORTANCE OF TESTING PRESSURE LOSS

Excessive pressure loss is one of the major problems with compressed air systems and contributes to increased production costs. A 10% pressure loss at the tool and a 3% pressure loss throughout the distribution network are considered "excessive". They occurs when the air system is incapable of replacing the air being consumed by the tools or applications with sufficient speed.

TOPRING tools for measuring pressure help to identify and isolate the source of air losses by measuring air pressure between components in order to help fix the problem.

PROFESSIONAL TOOL FOR MEASURING PRESSURE

- All-in-one tool ideal for checking pressure drop between network connection and tool
- Can be installed directly at the tool
- Large pressure gauge for easy pressure reading
- Included with the kit a 5 in 1 UNIVERSAL coupler with 5 types of plugs: 1/4 INDUSTRIAL, ARO 210, 1/4 TRUFLATE, LINCOLN and ULTRAFLO



Product No	Description
62.015	Professional tool for measuring pressure

COMPACT TOOL FOR MEASURING PRESSURE

- Compact tool with gauge for checking pressure drop between network connection and tool
- Can be installed directly at the tool
- Included with the kit a 5 in 1 UNIVERSAL coupler with 5 types of plugs: 1/4 INDUSTRIAL, ARO 210, 1/4 TRUFLATE, LINCOLN and ULTRAFLO



Product No	Description
62.010	Compact tool for measuring pressure

TECH TIP

MEASURING PRESSURE LOSS

Pressure loss should ideally be measured directly at the tool, where it is connected to the air hose. This will ensure that all potential sources of pressure loss are taken into account.

Standard procedure is then to measure again each component connection back to the air distribution network and, if possible, all the way back to the storage tank. This will allow to isolate any problematic component.

AVOIDING PRESSURE AND OVERPRESSURE

Loosing pressure can be costly, but increasing pressure in a compressed air system to compensate for poor tool performance will only add to the energy costs without providing any long or short term benefits.

The key to a high-performance system lies in the reduction of pressure loss at the tool and application.



YouTube

Watch the video "Maximizing airflow: high-performance pneumatic tools" on Topring.com /Resources/Our YouTube Channel

HIGH PRESSURE IN-LINE FILTERS



Compressed air may contain impurities which will cause improper operation of equipment, and in some cases equipment failure. In-line filters reduce downtime, prevent costly repairs of tools in addition to extending their lifespan. They are designed specifically for the protection of small air tools.

- Lightweight and compact, connects directly to the tool
- This filter has a large, porous bronze element to remove water and oil particles from contaminated air supplies to ensure a clean supply of air
- High capacity 40 micron element

Materials

Body: Anodised aluminum
Filter Element: 40 micron bronze

Specifications

Maximum Working Pressure: 500 PSI
Working Temperature: 2 to 93 °C



Product No	Thread (F-M) NPT	Length mm
62.119	1/8	58
62.120	1/4	58
62.123	3/8	59
62.124	1/2	97

IN-LINE FILTER



- Filter element removes water and oils
- Lightweight and compact, connects directly to the tool
- Clear reservoir shows accumulated water
- The filter element can be removed to be cleaned
- Button relief valve for draining trapped liquid from reservoir

Materials

Body: Painted aluminum
Male Fitting: Steel plated
Filter Element: 40 micron bronze
Reservoir: Polycarbonate

Specifications

Maximum Working Pressure: 125 PSI



Product No	Thread (F-M) NPT	Length mm
62.106	1/4	89

ToolReg®
PRESET REGULATORS WITH AUTOMATIC SECONDARY PRESSURE RELIEF



The **ToolReg®** preset regulators must be mounted directly on the air tool in order to ensure correct pressure, so that possible pressure drops in air hoses, do not influence the pressure at the tool.

The residual pressure in the tool is relieved when it is removed from the compressed air supply line, preventing unintentional activation of the tool with disastrous consequences.

The ToolReg® preset regulators are an economical method to achieve the ideal pressure at the tool.

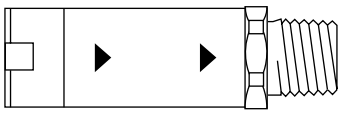
- Vents residual pressure to prevent accidental tool activation after disconnection
- Highly reliable, supplies a constant, exact and preset outlet pressure regardless of the inlet pressure
- Locked to prevent pressure change – tamperproof
- Increases tool service life
- Anticorrosion, lightweight and compact design

Materials

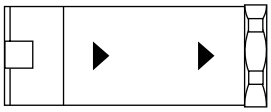
Body: Aluminum
Spring: Stainless steel
Valve: Brass
Seal: Nitrile

Specifications

Maximum Working Pressure: 365 PSI
Working Temperature: 0 to 80 °C



Product No	Preset Pressure PSI	Inlet/ (F) NPT	Outlet (M) NPT	Airflow SCFM
62.221.02	29*	1/4	1/4	17
62.221.03	45*	1/4	1/4	19
62.221.04	60**	1/4	1/4	21
62.221.05	75**	1/4	1/4	23
62.221.06	90**	1/4	1/4	25
62.221.07	105**	1/4	1/4	25
62.221.08	115**	1/4	1/4	28
62.225.02	29*	3/8	3/8	49
62.225.03	45*	3/8	3/8	49
62.225.04	60**	3/8	3/8	63
62.225.05	75**	3/8	3/8	63
62.225.06	90**	3/8	3/8	77
62.225.07	105**	3/8	3/8	77
62.225.08	115**	3/8	3/8	92
62.229.02	29*	1/2	1/2	49
62.229.03	45*	1/2	1/2	49
62.229.04	60**	1/2	1/2	63
62.229.05	75**	1/2	1/2	63
62.229.06	90**	1/2	1/2	77
62.229.07	105**	1/2	1/2	77
62.229.08	115**	1/2	1/2	92



Product No	Preset Pressure PSI	Inlet/ (F) NPT	Outlet (F) NPT	Airflow SCFM
62.220.02	29*	1/4	1/4	17
62.220.03	45*	1/4	1/4	19
62.220.04	60**	1/4	1/4	21
62.220.05	75**	1/4	1/4	23
62.220.06	90**	1/4	1/4	25
62.220.07	105**	1/4	1/4	25
62.220.08	115**	1/4	1/4	28
62.224.02	29*	3/8	3/8	49
62.224.03	45*	3/8	3/8	49
62.224.04	60**	3/8	3/8	63
62.224.05	75**	3/8	3/8	63
62.224.06	90**	3/8	3/8	77
62.224.07	105**	3/8	3/8	77
62.224.08	115**	3/8	3/8	92
62.228.02	29*	1/2	1/2	49
62.228.03	45*	1/2	1/2	49
62.228.04	60**	1/2	1/2	63
62.228.05	75**	1/2	1/2	63
62.228.06	90**	1/2	1/2	77
62.228.07	105**	1/2	1/2	77
62.228.08	115**	1/2	1/2	92
62.232.02	29*	3/4	3/4	88
62.232.04	60**	3/4	3/4	113
62.232.06	90**	3/4	3/4	138
62.232.08	115**	3/4	3/4	162

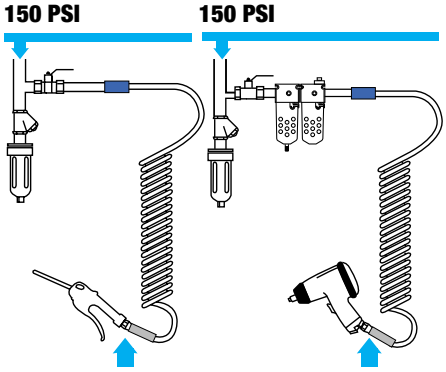
* +/- 4.35 PSI / ** +/- 10%

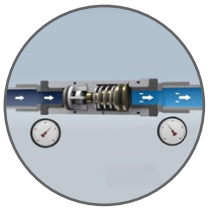
SAFE AND ECONOMICAL SOLUTION

ToolReg® regulator allows automatic removal of the residual pressure of the tool when disconnected to eliminate any risk of unintentional activation of the tool

ToolReg® regulator ensures the ideal pressure for the application, promoting energy savings and tool longevity.

TYPICAL INSTALLATIONS





YouTube

Watch the video " Compressed air preset pressure regulator Toolreg from Topring" on Topring.com/Resources /Our YouTube channel.

SAVEAIR® IN-LINE PRESET ENERGY SAVING REGULATORS

The in-line preset energy saving regulator SAVEAIR® can be installed in every compressed air system. It supplies a constant, exact outlet pressure regardless of the input pressure.

The pressure is factory-set and cannot be changed. The SAVEAIR® prevents "dynamic pressure waste". This occurs when the pressure and flow at the point of disconnection are unnecessarily higher than the data indicated by the manufacturer to accomplish the desired function. "Dynamic pressure loss" is a significant and extremely costly waste of energy.

- Ensure optimum efficiency of air tools by providing a preset pressure
- Limit overconsumption of compressed air, thereby reducing energy costs
- Highly reliable, safe and maintenance free
- Tamper-proof
- Lightweight and compact
- Heavy-duty construction
- Increase tools lifespan
- RoHS compliant

Materials

Body: Zinc

Membrane: Nitrile rubber

Specifications

Fluid: Compressed air

Maximum Working Pressure: 260 PSI

Working Temperature: 0 to 60 °C



Product No	Preset Pressure PSI	Inlet/ Outlet (F) NPT	Airflow SCFM
62.200	15*	1/4	15
62.202	29*	1/4	20
62.203	35*	1/4	25
62.204	45*	1/4	25
62.206	60**	1/4	25
62.208	75**	1/4	25
62.210	90**	1/4	29
62.212	100**	1/4	29
62.214	115**	1/4	29

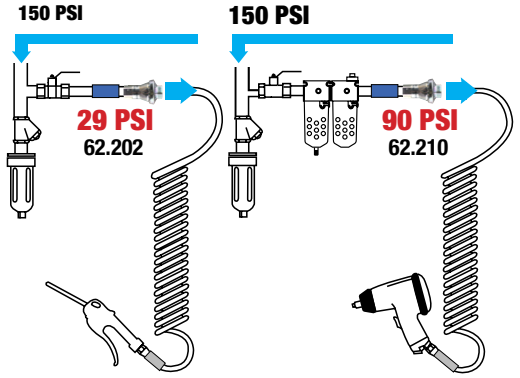
* +/- 4.35 PSI / ** +/- 10 %

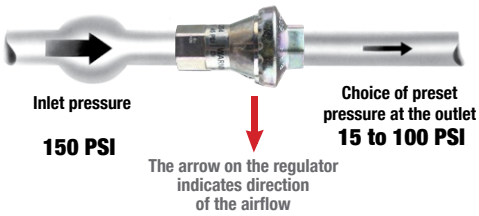
SAFE AND ECONOMICAL SOLUTION

For safe use with a non-restricted blow gun if tip would become blocked, the static pressure will remain at less than 30 PSI.

Ensures the ideal pressure for the application, promoting energy savings and tool longevity.

TYPICAL INSTALLATIONS





TECH TIP

The ideal pressure for air tools is usually 90 PSI. Every 15 PSI of overpressure wastes from 6 to 10% more energy. Preset regulators are an economical way to maintain ideal pressure.

PRESSURE REGULATOR PISTON TYPE

- High flow regulator
- Solid control piston with lip seal for extended lifespan
- Non-rising adjusting knob
- Lightweight and compact air pressure regulator and gauge combination
- Can be wall mounted with ring nut for panel assembling or used directly at the tool



Materials

Body: Aluminum
Bonnet, Seat and Piston : Acetal
Dome: Nylon
Adjusting screw: Brass
Poppet Valve: Brass and nitrile
Valve Spring: Stainless steel
Seals: Nitrile rubber
Gauge: Acrylic lens

Specifications

Maximum Inlet Pressure: 300 PSI
Reduced Pressure Range: 0 to 125 PSI
Temperature Range: 4 to 52 °C
Gauge Port Thread: 1/8 (F) NPT
Panel Mount Opening: 30 mm

Product No	Thread (F) NPT	Airflow SCFM
62.176	1/4	15
Replacement Gauge		
55.120	0-160 PSI	

INSTALLATION TIP

Also installs on a compressed air line on the wall using the panel bracket

Product No 50.721A



PRESSURE REGULATORS DIAPHRAGM TYPE

- Very high sensitivity and fast response to pressure changes thanks to the diaphragm
- Non-rising adjusting knob
- Lightweight and compact air pressure regulator and gauge combination
- Can be wall mounted with ring nut for panel assembling or used directly at the tool



Materials

Body: Aluminum
Bonnet: Acetal
Dome: Nylon
Adjusting screw: Brass
Poppet Valve: Brass and nitrile
Valve Spring: Stainless steel
Seat: Brass
Diaphragm and Seals: Nitrile rubber
Gauge: Acrylic lens

Specifications

Maximum Inlet Pressure: 300 PSI
Reduced Pressure Range: 0 to 125 PSI
Temperature Range: 4 to 52 °C
Gauge Port Thread: 1/8 (F) NPT
Panel Mount Opening: 30 mm

Product No	Thread (F) NPT	Airflow SCFM
62.181	1/8	10
62.186	1/4	10
Replacement Gauge		
55.120	0-160 PSI	

INSTALLATION TIP

Also installs on a compressed air line on the wall using the panel bracket

Product No 50.721A



HVLP AIR REGULATOR

Specially designed for tools and any spray gun (HVLP) for accurate pressure regulation.

- Sensitive model with high performance and high stability with low load losses and big flow rate
- Downstream over pressure quickly eliminated
- Lightweight and compact air pressure regulator and gauge combination
- Push-to-lock knob avoids accidental pressure adjustments
- Can be wall mounted or used directly at the tool



IDEAL FOR PAINT GUNS

Materials

Body: Acetal
Bonnet: Acetal
Valve: Brass
Valve Spring: Stainless steel
Diaphragm and Seals: Nitrile rubber
Gauge: Glass lens

Specifications

Maximum Working Pressure: 230 PSI
Reduced Pressure Range: 0 to 120 PSI
Temperature Range: 0 to 50°C
Gauge Port Thread: 1/8 (F) NPT
Panel Mount Opening: 30.5 mm

Product No	Thread (F) NPT	Airflow SCFM
62.125	1/4	31
55.121	Replacement gauge 0-160 PSI	

INSTALLATION TIP

Also installs on a compressed air line on the wall using the panel bracket

Product No 62.129



LOCKOUT IN-LINE PRESSURE REGULATOR

This regulator allows adjusting the required pressure and fixing it, preventing accidental setting changes

- Sensitive model with high performance and high stability with low load losses and big flow rate
- Downstream over pressure quickly eliminated
- Lightweight and compact air pressure regulator and gauge combination
- Push-to-lock knob avoids accidental pressure adjustment
- Can be wall mounted or used directly at the tool



PADLOCK AND KEYS ARE INCLUDED

Materials

Body: Acetal
Bonnet: Acetal
Valve: Brass
Valve Spring: Stainless steel
Diaphragm and Seals: Nitrile rubber
Gauge: Acrylic lens

Specifications

Maximum Working Pressure: 230 PSI
Reduced Pressure Range: 0 to 120 PSI
Temperature Range: 0 to 50°C
Gauge Port Thread: 1/8 (F) NPT
Panel Mount Opening: 30.5 mm

Product No	Thread (F) NPT	Airflow SCFM
62.127	1/4	31
55.120	Replacement gauge 0-160 PSI	

INSTALLATION TIP

Also installs on a compressed air line on the wall using the panel bracket

Product No 62.129



IN-LINE DISPOSABLE DESICCANT DRYER / FILTER

This in-line disposable point-of-use desiccant dryer removes all traces of water vapor, oil vapor and dirt. Ideal for use with blow guns, paint guns or any other tools, where dry and contaminant free air is critical. A 40 micron porous bronze element removes fine dirt particles, an oil adsorbing media removes oil vapor, and desiccant beads adsorb water vapor. Often used directly upstream of paint gun as final protection.

IDEAL FOR PAINT GUNS



- Compact size and lightweight
- Often used directly upstream of paint gun as final protection
- See-through housing shows desiccant color change (from the original blue to a pink color when it needs to be replaced)
- Guard made of a chemical-resistant nylon
- Installed right at the point of use, it functions in either direction
- Disposable

Materials

Housing: Polycarbonate

Guard: Nylon

Filter Element: 40 micron bronze

Specifications

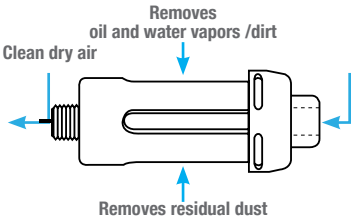
Pressure Dew Point: -40 °C

Maximum Working Pressure: 125 PSI

Maximum Flow Capacity: 15 SCFM

Working Temperature: 0 to 50 °C

HOW IT WORKS





Product No	Thread (F-M) NPT	Length mm
62.150	1/4	95

IN-LINE AIRFLOW REGULATOR WITH GAUGE

Regulator allows to set and adjust airflow of HVLP spray guns, maximizing paint quality and cost savings. It can also be used with other spray guns or equipment requiring air pressure control, such as stone chip applicators. To control the rotational speed of compressed air tools such as drills and grinders.



- Regulator and valve in one facilitate air pressure setting and control
- Helps ensure optimal atomization for HVLP paint application, reducing rework
- Helps reduce overspray and material consumption
- Gauge provides simple and clear reading for easy adjustment and setting



Materials

Body: Brass

Gauge: Plastic lens

Specifications

Pressure Range: 0-160 PSI

Product No	Thread Inlet/Outlet (F-M) NPT
62.105	1/4

INSTALLATION TIP

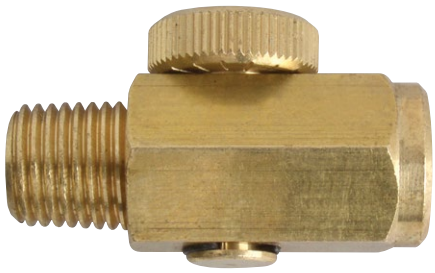
Airflow regulators must be used in conjunction with a pressure regulator installed upstream

IN-LINE AIRFLOW REGULATOR

- Permits airflow control in either direction
- Connects directly to air tool and hose
- Knurled knob sets desired flow rate

Material
Body: Brass





Product No	Thread Inlet/Outlet (F-M) NPT
62.101	1/4

CARTREG®
IN-LINE PRESET REGULATORS

- Ensures optimal air tool efficiency by supplying a constant preset pressure
- The 62.442 is engineered to comply with various international health and safety regulations on air blow guns (maximum pressure less than 30 PSI)
- Prevents compressed air waste – limits excessive compressed air consumption reducing energy costs
- Locked to prevent pressure change – tamperproof
- Increases tool service life
- Easy assembly: for general pneumatic applications, can be connected on any 1/4 (F) NPT air blow gun, pneumatic tool and spray guns
- Economical means to maintain the ideal pressure
- Compact and lightweight
- RoHS compliant

Materials
Body: Brass

Seals: NBR

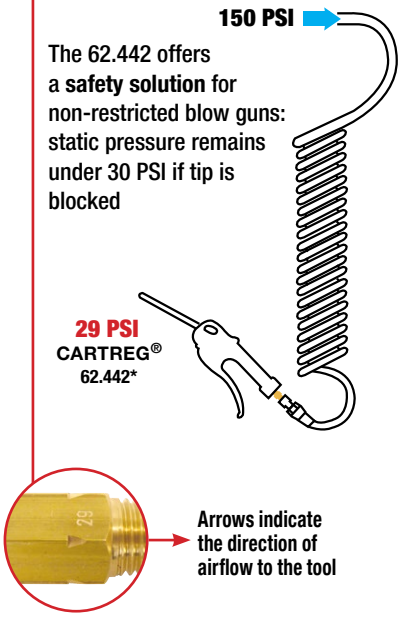
Retaining Ring: Steel

Spring: Stainless steel

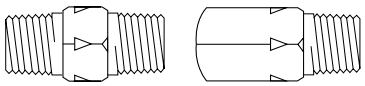
Specifications
Maximum working pressure: 174 PSI

Working Temperature: -20 to 60°C

TYPICAL INSTALLATION







Product No	Preset Pressure PSI	Inlet/ Outlet NPT	Tolerance	Airflow SCFM
62.442*	29	1/4 (F-M)	+0 / -4.5 PSI à 87 PSI	12.5
62.444	45	1/4 (F-M)	+/- 10.1 PSI à 87 PSI	12.5
62.446	60	1/4 (F-M)	+/- 11.6 PSI à 87 PSI	12.5
62.450	90	1/4 (F-M)	+/- 14.5 PSI à 87 PSI	12.5
62.454	120	1/4 (F-M)	+/- 17.5 PSI à 87 PSI	12.5

* Compliant with OSHA and other international health and safety regulations

ALUMINUM IN-LINE LUBRICATORS



Air tools cannot maintain their full efficiency if the mechanism is impaired by corrosion, condensation or lack of lubrication.

In-line lubricators allow air tools to operate at full efficiency by preventing sticking, thereby extending service lifespan.

Effective tool lubrication saves money by reducing equipment down time.

Ideal for air tools but specially designed for staplers and nailers with intermittent use.

- Provide instant oil flow so critical to time cycled air tools such as staplers and nailers
- Compact and lightweight, connect directly to the tool
- An effective alternative to larger, more costly units that may not deliver lubricant to the tool due to excessive hose length
- Automatic lubrication in the form of mist upon passage of airflow
- Lubricant will not leak into the air line upon pressure drops or disconnection
- Adjustment screws under the filler cap to control the amount of expelled oil
- Corrosion resistant
- 360º swivel outlet port

Materials

Body: Anodised aluminum
Insert: Nylon
Nut: Cadmium plated steel
Seals: Nitrile rubber

Specifications

Maximum Working Pressure: 150 PSI
Working Temperature: 0 to 52 °C



Swivel outlet

Product No*	Thread Inlet (F) NPT	Thread Outlet (M) NPT	Maximum Flow Rate SCFM	Oil Capacity cc
62.110	1/4	1/4	15	5
62.112	1/4	1/4	20	9
62.115	3/8	3/8	30	9
62.117	3/8	3/8	30	22
62.118	1/2	1/2	65	22

*The color of the body may vary depending on the model

IN-LINE LUBRICATOR

- Automatically lubricates a tool by feeding a measured amount of oil mist each time the tool is cycled
- When stationary lubricators are not available, these mini-inline lubricators will provide an excellent oil source while adding only 2 in length to any tool
- Clear plastic reservoir to check oil supply

Specifications

Maximum Working Pressure: 120 PSI



Product No	Thread Inlet (F) NPT	Thread Outlet (M) NPT
62.108	1/4	1/4

FULL FLOW SWIVEL FITTINGS WITH 90º ANGLE

- Designed to provide 360° circular rotation and up to 90° of angle for air tool and air hose supply lines
- Improve tool maneuverability and reduce user fatigue
- Help alleviate carpal tunnel syndrome and back stress resulting in less lost-time injuries
- Full flow design

Materials

Body: Chrome steel

Male Thread: With PTFE tape

Specifications

Maximum Working Pressure: 145 PSI

Working Temperature: -7 to 60 °C







Product No	Description	Airflow SCFM
62.332	1/4 (M) NPT x 1/4 (F) NPT	30
62.334	3/8 (M) NPT x 3/8 (F) NPT	48
62.336	1/2 (M) NPT x 1/2 (F) NPT	48

CAUTION

Free angle fittings should not be used with high impact tools or subjected to abuse

FULL FLOW SWIVEL FITTINGS WITH 45º ANGLE

- Designed to provide 360° circular rotation and up to 45° of angle for air tool and air hose supply lines
- Two rotation points prevent kinking of the supply line
- Help alleviate Carpal Tunnel Syndrome and back stress resulting in less lost-time injuries
- Steel dust cover protects rotating joint
- Lightweight, streamlined design
- Full flow design (7.0 mm)

Materials

Body: Nickel plated steel

Male Thread: With PTFE tape

Seal: Nitrile rubber

Specifications

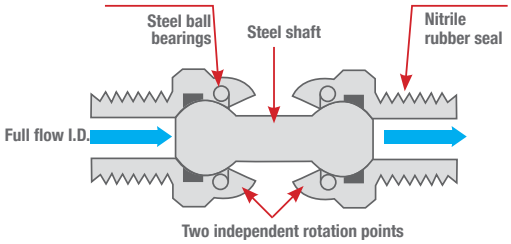
Maximum Working Pressure: 145 PSI

Working Temperature: -7 to 60 °C









Product No	Description	Airflow SCFM
62.312	1/4 (M) NPT x 1/4 (F) NPT	30
62.315	3/8 (M) NPT x 3/8 (F) NPT	30



YouTube

Watch the video “Ergonomics and Performance” on Topring.com /Resources/Our YouTube chanel

SWIVEL FITTINGS WITH 45° ANGLE

- Designed to provide 360° of rotation and up to 45° of angle for air tools and air hose supply lines
- Dual ball-pivot design is simple and tough for long lifespan
- Nitrile rubber dust cover protects rotating joint and prolongs the service life of the fitting
- Reduce hand, wrist, elbow and shoulder stress from heavy or non-flexible air hose while eliminating hose kinking

Materials

Body: Chrome plated steel

Dust Cover: Nitrile rubber

Specifications

Maximum Working Pressure: 140 PSI

Working Temperature: -20 to 60 °C





Product No	Description
62.400	1/4 (M) NPT x 1/4 (M) NPT

Product No	Description
62.412	1/4 (F) NPT x 1/4 (M) NPT

Product No	Description
62.415	3/8 (F) NPT x 3/8 (M) NPT



SWIVEL FITTINGS WITH 30° ANGLE

- Designed to provide 360° of rotation and up to 30° of angle for air tool supply lines
- Reduce hand, wrist, elbow and shoulder stress from heavy or non-flexible air hose while eliminating hose kinking

Materials

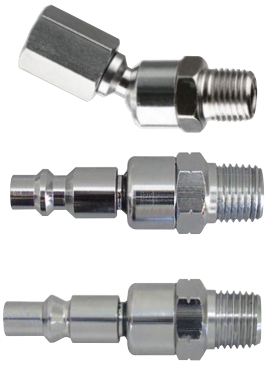
Body: Nickel plated steel

Specifications

Maximum Working Pressure: 140 PSI

Working Temperature: -20 to 60 °C





Product No	Description
62.355	1/4 (F) NPT x 1/4 (M) NPT

Product No	Description
62.360	**1/4 INDUSTRIAL** x 1/4 (M) NPT

Product No	Description
62.365	**ARO 210** x 1/4 (M) NPT





YouTube

Watch the video “Ergonomics and Performance” on Topring.com /Resources/Our YouTube chanel

COMPOSITE SWIVEL CONNECTORS

- Universal joint that connects portable air tools to an air line
- Improves tool manoeuvrability, minimizes user fatigue and extends hose lifespan
- Swivels 360° at two pivot points, allowing the air hose to drop directly to the floor, while providing superb tool handling
- Facilitates the connection of air tools such as grinders, drills, polishers, glue guns, sanders, staplers and paint spray guns

Materials

Non-marking composite

Specifications

Maximum Working Pressure: 150 PSI
Working Temperature: -40 to 125 °C





62.704



62.720
Swivel connector with flow regulator

Product No	Thread (F-M) NPT	Maximum Airflow SCFM
62.704	1/4	33
62.720*	1/4	30

* With flow regulator

CAUTION

Swivel connectors should not be used on impact tools or in areas of high mechanical abuse

ALUMINUM SWIVEL CONNECTOR

- Universal connector for the connection of portable air tools to an air line
- Improve tool manoeuvrability, minimize user fatigue while extending hose lifespan
- Swivel 360° at two pivot points keeping air hose in proper position while providing great tool handling
- Facilitates the connection of air tools such as grinders, drills, polishers, glue guns, sanders, staplers and paint spray guns

Material

Aluminum

Specifications

Maximum Working Pressure: 150 PSI
62.705 : 200 PSI
Working Temperature: -40 to 125 °C
62.705 : -10 to 60 °C





62.705



62.706-62.708

Product No	Thread (F-M) NPT	Maximum Airflow SCFM*
62.705	1/4	36
62.706	3/8	45
62.708	1/2	65

* At 100 PSI inlet pressure with 10 PSI pressure drop

CAUTION

Swivel connectors should not be used on impact tools or in areas of high mechanical abuse

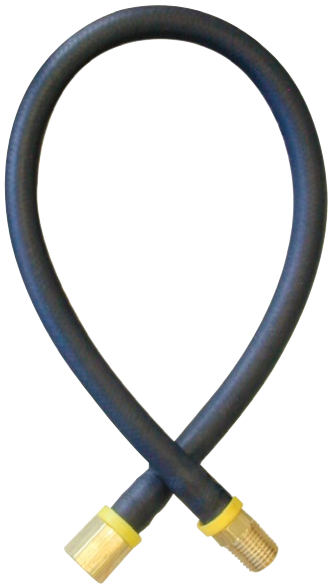
HOSE WHIPS

Using a hose whip between the air tool and coupler will extend the life of the coupler by acting as a shock absorber and protecting it against tool vibrations. A hose whip allows the user an easier and wider range of motion, reducing user fatigue while increasing productivity.

TECH TIP

All sharp bends on hose lines should be avoided. These tend to shorten hose life, increase pressure drops, slow down swivel action, increase pump load and raise the temperature of the fluid. A hose whip should be installed to avoid straining on hose and coupler assembly.

RUBBER HOSE WHIPS



- Lightweight and flexible
- Excellent oil resistance

Materials

Cover: Modified nitrile(type C2)
Tube: Nitrile (type C)
Reinforcement: Braided high tensile textile cord
Fittings: Brass

Specifications

Maximum Working Pressure: 250 PSI
Working Temperature: -40 to 100 °C



Product. No	Hose I.D. in	Length in	Length cm	Inlet (M) NPT	Outlet (F) NPT
62.522	1/4	18	46	1/4	1/4
62.524	1/4	36	91	1/4	1/4
62.540	3/8	12	30	1/4	1/4
62.542	3/8	18	46	1/4	1/4
62.544	3/8	60	152	1/4	1/4
62.546	1/2	18	46	3/8	3/8
62.548	1/2	60	152	3/8	3/8
62.552	1/2	18	46	1/2	1/2
62.554	1/2	60	152	1/2	1/2

FLEXIBLE HYBRID POLYMER HOSE WHIPS



- Lightweight and ultra-flexible even at extreme temperatures
- Excellent oil and abrasion resistance

Materials

Tube: Technopolymer
Reinforcement: Polyester braid
Fittings: Brass

Specifications

Maximum Working Pressure: 300 PSI
Working Temperature: -54 to 65 °C



Product. No	Hose I.D. in	Length in	Length cm	Inlet (M) NPT	Outlet (F) NPT
62.523	1/4	18	46	1/4	1/4
62.525	1/4	36	91	1/4	1/4
62.541	3/8	12	30	1/4	1/4
62.543	3/8	18	46	1/4	1/4
62.545	3/8	60	152	1/4	1/4
62.547	1/2	18	46	3/8	3/8
62.549	1/2	60	152	3/8	3/8
62.553	1/2	18	46	1/2	1/2
62.555	1/2	60	152	1/2	1/2

HOSE WHIP KITS WITH COUPLER AND PLUG

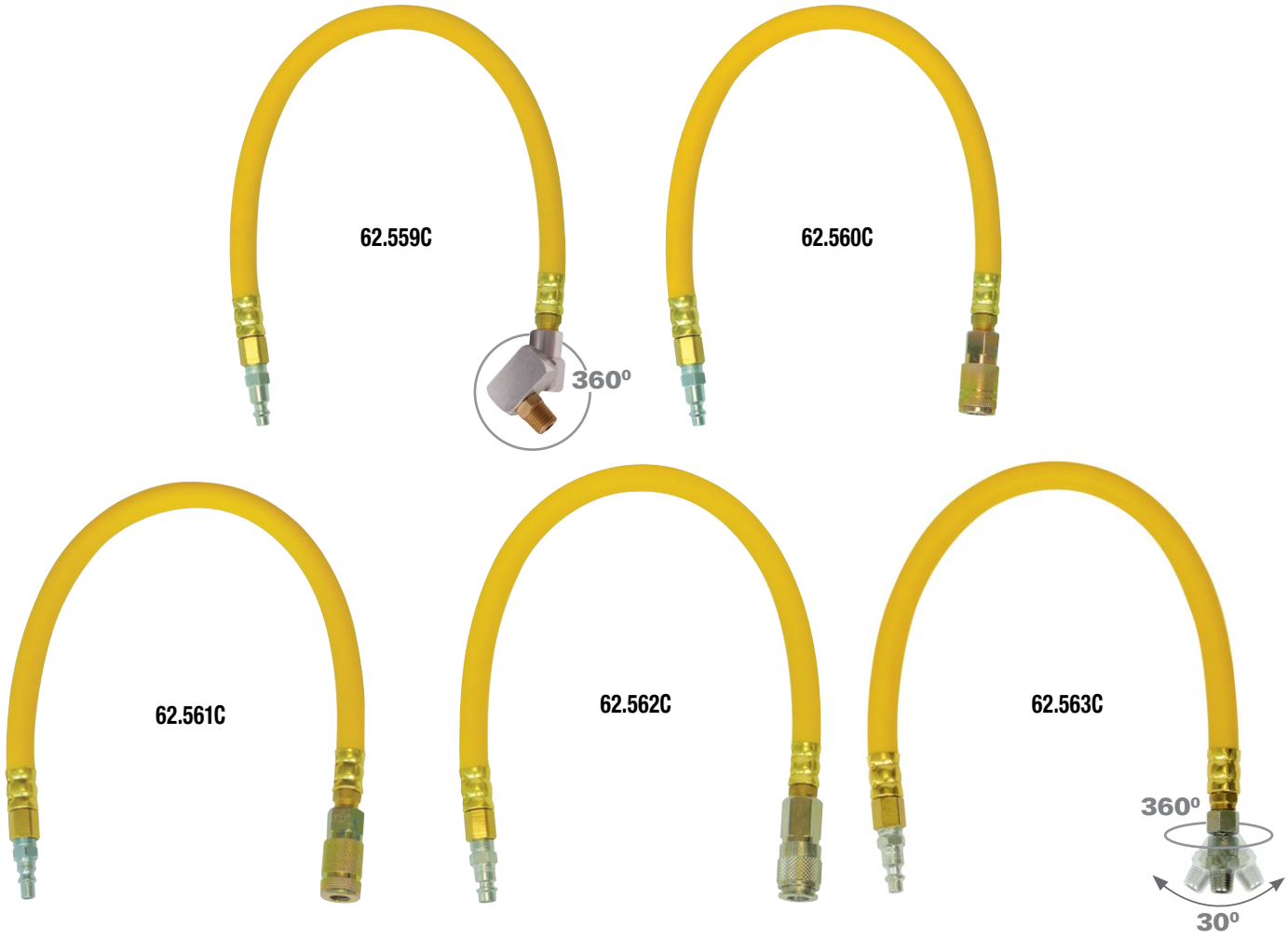
These hose whip assemblies with plug and choice of coupler provide an ergonomic tool connection while reducing user fatigue and increasing productivity. Using a hose whip between the air tool and coupler will extend the life of the coupler by acting as a shock absorber and protecting it against tool vibrations.

- Lightweight and ultra-flexible even at extreme temperatures
- Excellent oil and abrasion resistance

Specifications

Maximum Working Pressure: 300 PSI
Working Temperature: -54 to 65 °C





Product No	Hose I.D. in	Length in	Length cm	Plug (M) NPT	Coupler (F) NPT
62.559C	3/8	18	46	**1/4 INDUSTRIAL** (20.242)	**SWIVEL 360°** (62.705)
62.560C	3/8	18	46	**1/4 INDUSTRIAL** (20.242)	**1/4 INDUSTRIAL** (20.842)
62.561C	3/8	18	46	**ARO 210** (23.242)	**ARO 210** (23.842)
62.562C	3/8	18	46	**ULTRAFLO** (31.642)	**ULTRAFLO** (31.742)
62.563C	3/8	18	46	**1/4 INDUSTRIAL** (20.242)	**SWIVEL 30°** (62.355)

AIR MANIFOLD 2 IN 1

- A single air inlet supplies two air tools
- Compact design

Material

Nickel plated brass



62.850



62.860

Product No	Inlet NPT	Outlet (F) NPT
62.850	1/4 (F)	1/4
62.860	1/4 (M)	1/4

AIR MANIFOLD 3 IN 1

- A single air inlet supplies three air tools
- Compact design

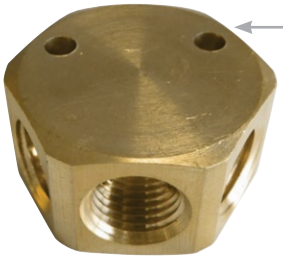
Material

62.800 and 62.805: Aluminum

62.810: Brass



62.800 / 62.805



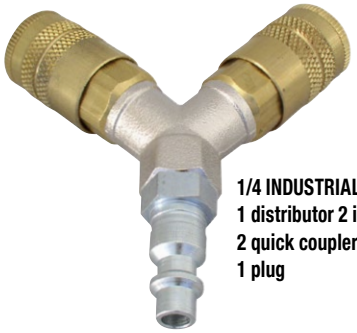
62.810

This model has two holes for securing the manifold to a stable surface using nails

Product No	Inlet (F) NPT	Outlet (F) NPT
62.800	1/4	1/4
62.805	3/8	1/4
62.810	1/4	1/4

MANIFOLD KITS WITH QUICK COUPLERS AND PLUG

- A single air inlet supplies two air tools

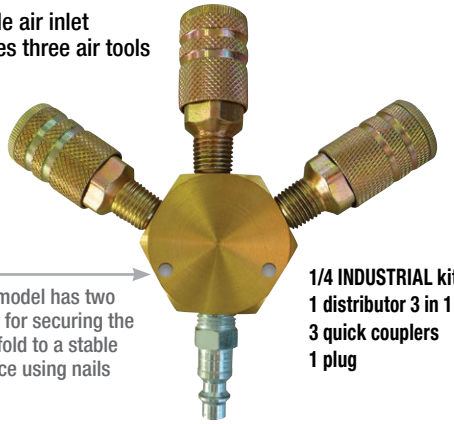


1/4 INDUSTRIAL kit:
1 distributor 2 in 1
2 quick couplers
1 plug

Product No	Description
20.702C	2 in 1 distributor kit • **1/4 INDUSTRIAL**

For more details, see Series 20

- A single air inlet supplies three air tools



This model has two holes for securing the manifold to a stable surface using nails

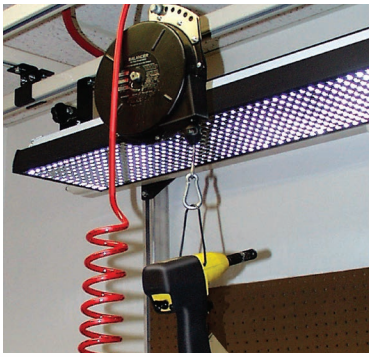
1/4 INDUSTRIAL kit:
1 distributor 3 in 1
3 quick couplers
1 plug

No de produit	roduct No
20.703C	3 in 1 distributor kit • **1/4 INDUSTRIAL**

For more details, see Series 20

Tool balancers

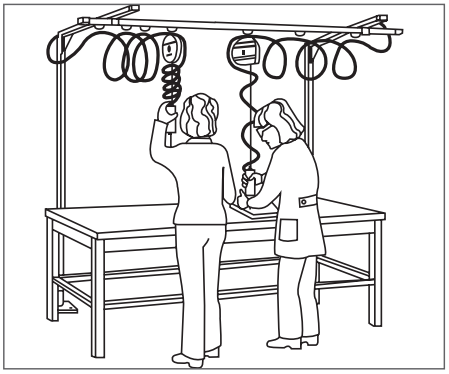


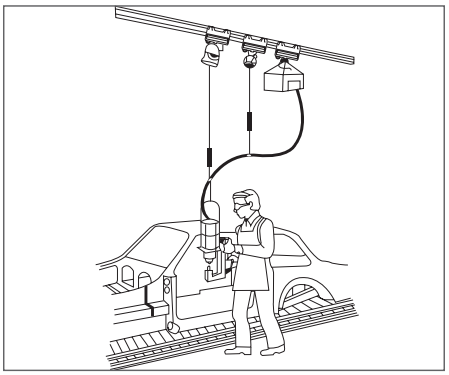



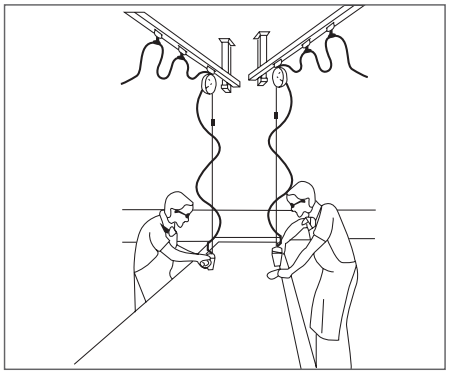
Group 4 • Series 64

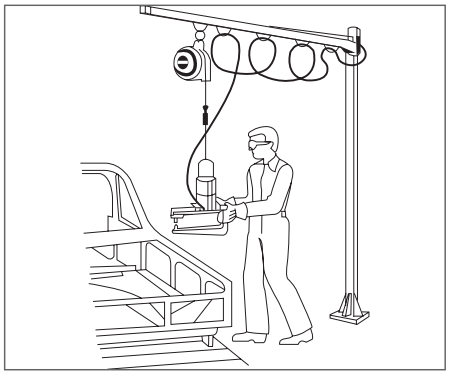
TOPRING

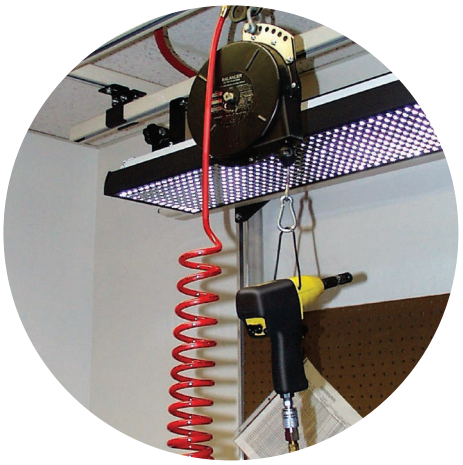
Compressed air solutions











WHY USE A TOOL BALANCER?

Using a tool balancer for storage of compressed air tools has many advantages:

Time saving

- Tool balancers are designed to suspend potentially heavy tools from a jib or a track. The tool is kept within easy reach without being in the way.
- Maintaining tools at the ideal position for users to use them improves efficiency and productivity.

Ergonomics and working conditions

- Workstations can be organised more efficiently by ensuring that tools are always in the right place.
- This allows the user to operate the tool with much less effort and strain, and avoids many types of accidents. It helps reduce chronic fatigue and injuries, and improves user productivity.
- Disorders caused by repetitive lifting and handling of portable air tools (wrists, arms, elbows, neck and lower back) can be decreased.
- User effort can be directed to controlling the tool rather than supporting it.

Air tools lifespan

- Tool balancers can reduce damage to tools by providing an additional protection.
- Hoses can be kept away from the workspace where they might be cut or damaged.
- Tools suspended from balancers are safeguarded from being accidentally dropped onto the floor or knocked against the work surface.

Safety in the workplace

- Accidental start-ups are avoided when tools are out of the way.
- Tripping is virtually eliminated when hose lengths are kept short because the toll is suspended where it is needed.
- Keeping tools stored out of the way but close at hand when not in use reduces the risk of accidental falls.

SELECTING A TOOL BALANCER

- First consideration should be given to the weight of the total load to be suspended (tool plus hose plus other attachments).
- If the total weight is in between the maximum capacity of one model and the minimum capacity of another, it is better to select the largest capacity model.
- In order to suspend a tool further from the tool balancer than the cable length allows, simply use an extra length of cable between the tool balancer and the tool.

	Heavy Duty Tool Balancers	Heavy Duty Tool Balancers	Heavy Duty Constant Pull Reels	Heavy Duty Retractors Ratchet Lock	Medium Duty Tool Balancers	Light Duty Tool Balancer with air hose	Light Duty Tool Balancers
							
Product No	**64.500**	**64.505 to 64.540**	**64.295 to 64.315**	**64.345 to 64.365**	**64.120 to 64.130**	**64.050**	**64.200 to 64.250**
Load Range	0.5 to 1.5 kg	1.5 to 50 kg	1.4 to 10.4 kg	1.4 to 10.4 kg	0.2 to 2.3 kg	0.5 to 1.5 kg	0.6 to 5.0 kg
Cable length	1.3 m	1.3 to 1.5 m	2.4 m	2.4 m	1.8 m	1.2 m	1.4 to 1.5 m
Robustness	★★	★★★★	★★★★	★★★★	★★	★	★
Ease of installation	★★★	★★★	★★	★★	★★★★	★★★	★★★
Swivel attachment point	✔	✔					
Security attachment point	✔	✔	✔	✔	✔		
Brake for slow motion					✔		
Ratchet Lock Mechanism				✔			
Compressed Air Hose						✔	

HEAVY-DUTY TOOL BALANCERS

TOPRING heavy-duty tool balancers are designed to improve efficiency and reduce fatigue in more demanding applications.

They offer a number of benefits to the user, including improving the stability of tools and thereby increasing accuracy, freeing up workspace, and preventing tools from being damaged.

Especially suited for assembly lines in automotive, appliances, electronics, automotive and packaging sectors

- Zero gravity, true balance
- Easy external tensioning
- 360° upper swivel
- Secondary support hanger
- Bottom hook for tool hanging
- Tapered drum allows “true balance” throughout cable travel
- Manual drum lock (on models 64.525 to 64.540)
- Permanent lubrication
- Comply with EN ISO 12100:2010 requirement

Materials

Housing: Cast aluminum or ABS (64.500)

Cable: Steel







0.5 - 1.5 kg

Product No	Cable Diam. mm	Capacity Load/Kg Min-Max	Cable Length m	Net Weight kg
64.500	2.0	0.5 - 1.5	1.3	0.7

1.5 - 15.0 kg

Product No	Cable Diam. mm	Capacity Load/Kg Min-Max	Cable Length m	Net Weight kg
64.505	3.2	1.5 - 3.0	1.3	1.7
64.510	3.2	3.0 - 5.0	1.3	1.8
64.515	4.0	5.0 - 9.0	1.3	3.6
64.520	4.0	9.0 - 15.0	1.3	3.6

15.0 - 50.0 kg

Product No	Cable Diam. mm	Capacity Load/Kg Min-Max	Cable Length m	Net Weight kg
64.525	4.8	15.0 - 22.0	1.5	7.7
64.530	4.8	22.0 - 30.0	1.5	8.3

TOOL BALANCERS



CONSTANT PULL REELS

These balancers make it possible to cancel the blocking device from the outside of the housing when a constant tension is required.

RATCHET LOCK

Locking models (or retractors) include a positive ratchet-lock mechanism to allow locking of the cable at a specific height. A slight pull on the cable releases the lock.

- Designed for long life and trouble-free service
- Reinforced hanging bracket with forged clevis for ceiling mounting
- Extra holes for safety chain attachment
- Spring is permanently lubricated and provides constant tension, adjustable for suspending tool in normal working zone (15.2 cm - 45.7 cm)
- Galvanized steel with nylon coating cable (414 kg test)
- Include safety tool clip and adjustable cable stop

Materials

Housing: Rugged steel with baked polyester finish

Cable: Galvanized steel nylon coated





BALANCERS (CONSTANT PULL REELS)

May be adjusted to suspend through 15.2 cm - 45.7 cm range

Product No	Cable Diam. mm	Capacity Load/Kg Min-Max	Cable Length m	Net Weight kg
64.295	3.0	1.4 - 3.1	2.4	2.7
64.300	3.0	2.3 - 4.5	2.4	2.7
64.305	3.0	3.6 - 5.4	2.4	3.2
64.310	3.0	4.5 - 6.8	2.4	3.6
64.315	3.0	7.2 - 10.4	2.4	3.6

RETRACTORS (RATCHET LOCK)

Retract tool upward when manually released

Product No	Cable Diam. mm	Capacity Load/Kg Min-Max	Cable Length m	Net Weight kg
64.345	3.0	1.4 - 3.1	2.4	2.7
64.350	3.0	2.3 - 4.5	2.4	2.7
64.355	3.0	3.6 - 5.4	2.4	3.2
64.360	3.0	4.5 - 6.8	2.4	3.6
64.365	3.0	7.2 - 10.4	2.4	3.6

MEDIUM DUTY TOOL BALANCERS

Suitable for pneumatic and electric tools, screwdrivers, drills and riveters. Economical choice for tools weighing up to 2.3 kg.

- Molded ABS housing, smooth exterior with rounded edges, designed for maximum ergonomic appeal
- Easy to adjust
- Lightweight and compact
- Push-button release simplifies decreasing spring tension
- Rugged steel upper swivel hook with secondary safety cable provision
- Oversized cable opening with direct in-line pull to reduce cable wear
- 121.5 kg test galvanized steel, nylon coated cable
- Adjustable cable stop and lower safety hook

Material

Housing: ABS

Cable: Galvanized steel, nylon coated





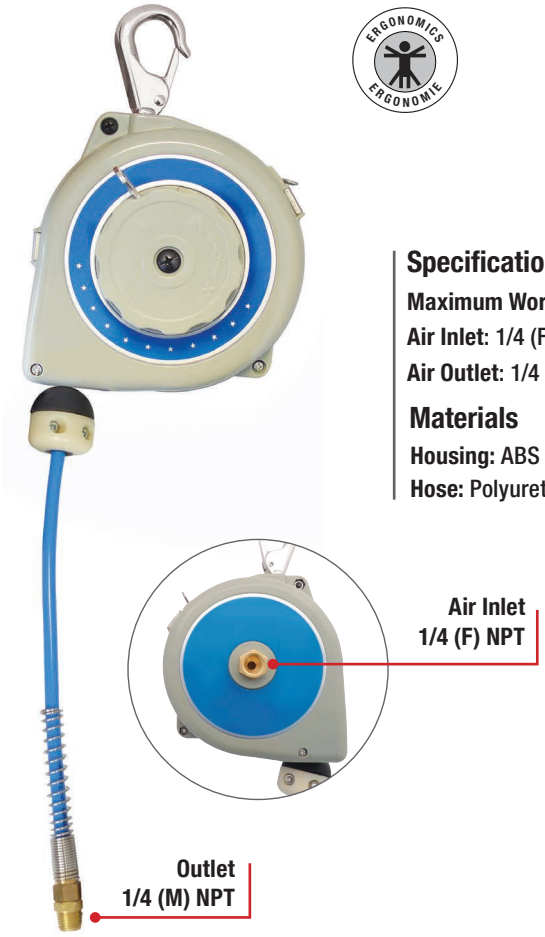
Product No	Cable Diam. mm	Capacity Load/Kg Min-Max	Cable Length m*	Net Weight kg
64.120	1.8	0.2 - 0.7	1.8	0.6
64.125	1.8	0.5 - 1.4	1.8	0.6
64.130	1.8	1.4 - 2.3	1.8	0.7

* Includes cable stop and safety hook

TOOL BALANCER WITH AIR HOSE

Carrier compressed air hose assembly to keep workstations tidy and safe. Suitable for light pneumatic tools positioned over the work station for comfortable operation.

- Lightweight and compact
- Plastic body
- Dial-type torque adjustment
- Adjustable ball stop for positioning
- Flexible polyurethane hose
  5 mm x 1.2 m x 1/4 (M) NPT



Specification

Maximum Working Pressure: 140 PSI
Air Inlet: 1/4 (F) NPT
Air Outlet: 1/4 (M) NPT

Materials

Housing: ABS
Hose: Polyurethane

Product No	Capacity Load/Kg Min-Max	Hose Length m	Net Weight kg
64.050	0.5 - 1.5	1.2 (4 pi)	0.9

LIGHT DUTY TOOL BALANCERS

Suitable for light pneumatic tools such as blow gun, small riveter, polisher, torque wrench, etc.

- Economical choice for suspending tools
- Lightweight and compact
- Nylon-covered steel cable
- Adjustable tension



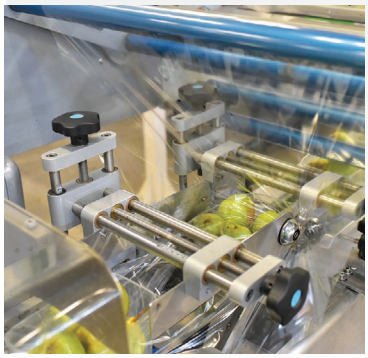
Materials

Housing: Steel
Cable: Nylon-covered steel

Product No	Cable Diam. mm	Capacity Load/Kg Min-Max	Cable Length m	Net Weight kg
64.200	2.5	0.6 - 1.5	1.4	0.5
64.205	3.2	1.5 - 3.0	1.5	0.8
64.250	3.2	3.0 - 5.0	1.5	0.8

NOTES

Air tool oils






Group 4 • Series 69

Compressor oils are now in Group 1 • Serie 69

TOPRING

Compressed air solutions

AIR TOOL OIL GUIDE

DESCRIPTION	PAGE	POUR POINT	GRADE	AVAILABLE SIZES	PRODUCT NUMBER
Extreme Temperature Synthetic Oil	3	-55 °C	ISO 32 / SAE 15	118 ml 500 ml 1 L 4 L	**69.046** **69.450** **69.401** **69.404**
Premium Mineral Oil	4	-32 °C	ISO 32 / SAE 15	500 ml 1 L 4 L 18.9 L	**69.050** **69.101** **69.104** **69.100**
Mineral Food Grade Oil	5	-18 °C	ISO 32 / SAE 15	20 L	**69.800**
Anti-Freeze Lubricant	6	-60 °C	ISO 22	473 ml 3.78 L	**69.900** **69.904**

COMPRESSOR OIL GUIDE / Now in Group 1 • Series 69

DESCRIPTION	PAGE	POUR POINT	GRADE	AVAILABLE SIZES	SERVICE LIFE*	PRODUCT NUMBER
Synthetic Oil for Reciprocating Type Compressor (Piston)	499	-45 °C	ISO 150 / SAE 40	1 L 4 L	6000 to 8000 hours	**69.601** **69.604**
Premium Mineral Oil for Reciprocating Type Compressor (Piston)	500	-18 °C	ISO 150 / SAE 40	1 L 4 L	3000 to 4000 hours	**69.201** **69.204**
Premium Mineral Oil for Screw Type Compressor	501	-36 °C	ISO 46 / SAE 20	18.9 L	3000 to 4000 hours	**69.300**

*** The oil change intervals may vary depending on the ambient temperature**

Caps with spouts and replacement containers are available for sizes 500 ml, 1 and 4 L (replacement caps not compatible with Kilfrost bottles).



TECH TIP

For the complete selection of lubricators, refer to Series 50, 51, 52 and 62

Additional specifications and safety data sheets are available on **TOPRING**.com

POUR POINT

The pour point refers to the minimum temperature at which the oil continues to flow. Below the pour point, the oil tends to thicken and to cease to flow freely.



SYNTHETIC AIR TOOL OIL
FOR EXTREME TEMPERATURES

Lubrication of air tools is one of the most important preventive maintenance factors. All air tools, air control valves, pneumatic cylinders and air motors requiring oil lubrication at extreme temperatures.

The majority of tool failures can be traced to inadequate lubrication. Tools should be oiled daily through the air inlet, ideally through airline lubricators installed at air tool locations.



- Detergent-free synthetic formula, with polyalphaolefins for optimum speed and power of air tools and pneumatic cylinders
- Very low pour point (-55 °C) and stable viscosity allow to lubricate and protect air tools exposed to extreme lower temperatures
- Contains additives to prevent rust for longer air tools service life
- Minimizes gumming and varnishing to attain optimum air tools speed and power
- Daily use extends air tools service life
- Both 500 ml and 1 L bottle sizes have convenient flip-up spout

Specifications

Pour Point: -55 °C

Grade: ISO 32

TECH TIP

A lubricator uses an average of 1 L of oil every 2 to 3 months.

Synthetic air tool oil may affect some plastic components used in lubricators. Compatibility should be checked before using any synthetic air tool oil.

TOPRING recommends using lubricators with aluminum zinc bowls with synthetic oil.





OILS

Product No	Size	Quantity Per Case
69.450	500 ml	12
69.401	1 L	12
69.404	4 L	4

CAPS AND REPLACEMENT CONTAINERS

Product No	Description
69.500	Cap with spout for 1 L container
69.504	Cap with spout for 4 L container
69.502	1 L container
69.503	4 L container

PREMIUM MINERAL AIR TOOL OIL

This oil is perfect for all types of air tools such as impact wrenches, hammers, grinders, sanders and all other air tools or pneumatic equipment.

Also for air control valves, pneumatic cylinders and air motors requiring oil lubrication.

- Detergent-free mineral formula for maximum output and superior performance of air tools
- Contains premium anti-wear additives, corrosion inhibitors and antioxidants additives to dissolve gum and deposits to extend air tools service life
- Prevents rust formation, carbon build-up and varnish problems maintaining speed and power of air tools
- Both 500 ml and 1 L bottle sizes have convenient flip-up spout



Specifications

Pour Point: -32 °C

Grade: ISO 32

TECH TIP

A lubricator uses an average of 1 L of oil every 2 to 3 months.

It is recommended that a small amount of oil should be squeezed into the tool before storage.





OILS

Product No	Size
69.046	118 ml
69.050	500 ml
69.101	1 L
69.104	4 L
69.100	18.9 L

CAPS AND REPLACEMENT CONTAINERS

Product No	Description
69.500	Cap with spout for 1 L container
69.504	Cap with spout for 4 L container
69.502	1 L container
69.503	4 L container

FOOD GRADE MINERAL OIL FOR AIR TOOLS

Canadian Food Inspection Agency

NSF REGISTRED H1



Hydraulic fluids are advanced food grade oils formulated to provide superior and prolonged protection compared to most specialized food grade oil. Petro-Canada's patented HT purification process makes it possible to manufacture a crystal clear 99.9% pure oil base in the world.

This oil offers excellent performance in high pressure systems including applications operating at more than 1000 PSI. They may also be used to lubricate anti-friction bearings and general circulating systems.

It can also be used in in-line oilers, in pneumatic systems commonly found in food packaging applications because they deliver clean, non-varnishing performance even in extended service, and is essentially odorless.

- Outstanding resistance to oxidative breakdown even at high temperatures and in the presence of water and acidic contamination
- Helps keep systems free of sludge and varnish to ensure smooth and reliable operation of hydraulic valves and actuators
- Prolongs service life of fluids and limits downtime in harsh environments
- Protects equipment operating at high production rates for extended periods in tough condition



Specifications

Pour Point: -18 °C

Grade: ISO 32 and SAE 10



Product No	Size
69.800	20 L

HOMOLOGATIONS

- All grades FZG pass over level 12
- Acceptable for use in food processing facilities
- H1 registered by NSF
- All fluid components comply with FDA 21CFR 178.3570 (Lubricants with incidental food contact)
- Approved by the Canadian Food Inspection Agency for use in registered food processing plants
- Certified by Star K for usage in equipment for Kosher food preparation
- Maintains security on the allergen level

ANTI-FREEZE AIR TOOL LUBRICANT
KILFROST



Water can often get into the air feed of pneumatic equipment and, in cold weather conditions, the water can freeze with the resulting risk of blockage in the air lines.

Superior anti-freeze lubricant Kilfrost K400 can help reduce expensive downtime and maintenance. It ensures the effective operation of pneumatic tools in the harshest of environments.

Perfect for air tools, air control valves, pneumatic cylinders, air hoses, air motors and various equipment.

- Absorbs four times its own weight in water
- Offers superior anti-wear ability and gives enhanced corrosion protection
- Gives superior lubrication under high pressure (245 PSI)
- Biodegradable
- Water soluble
- Safe to use with polycarbonate bowls, polyurethane or NBR seals
- Replacement caps for TOPRING oils are not compatible with Kilfrost containers



Specifications

Pour Point: -60 °C

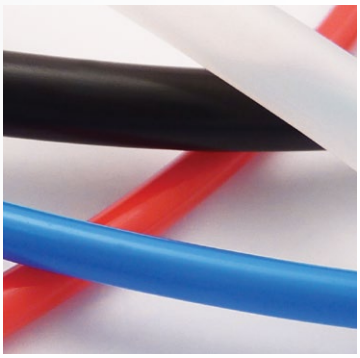
Grade: ISO 22



Product No	Size
69.900	473 ml
69.904	3.78 L

Pneumatic tubings






Group 5 • Series 32-38

TOPRING

Compressed air solutions

ELEMENTS TO CONSIDER FOR THE CHOICE OF A PNEUMATIC TUBING

Pneumatic tubing are used to transport fluids in automation processes. They allow the connection of the air preparation systems (FRL), valves and cylinders. Pneumatic tubing are generally preferred to rigid pipes.

Polyurethane, nylon, polyethylene, PVC and PTFE tubing are the most commonly used in compressed air systems.

Knowledge of the characteristics, benefits and limitations of each compound is essential in the selection process.

Here are some basic factors to consider when selecting the tubing that best suited for the application.

The selection guide on the next page represents all the tubing models offered by **TOPRING** and their degree of performance in relation to different criteria.

WORKING PRESSURE

The working pressure is usually the first criteria to consider. It is established from the burst pressure at a normal temperature of about 20 °C to which a safety factor is added. The tubing's maximum working pressure corresponds to the safe pressure rate which takes into account all operating criteria.

The nylon, nylon.polyurethane and PTFE tubings offer the highest working pressures.

CONDITIONS OF THE WORKING ENVIRONMENT

Some chemicals may have an adverse effect on the tubing (swelling, deterioration, etc.). Consideration should be given to the type of fluid that will flow through the tubing and those that will be in contact with the tubing.

Other factors may affect the performance and deterioration of the tube: varying temperatures, mixed chemicals and changing environmental conditions. The nylon, nylon.polyurethane and PTFE tubings offer excellent resistance to chemicals and ultraviolet rays.

FLEXIBILITY AND KINK RESISTANCE

Due to their type of material, some tubing may be more flexible than others. For systems requiring low bending radius or repetitive movements, tubings with high flexibility will be preferred (e.g. polyurethane or nylon.polyurethane).

For fixed jobs where movement is reduced or requiring high working pressure, choose a more rigid tube (e.g. nylon).

AIRFLOW

The airflow rate corresponds to the volume of compressed air conveyed to the compressed air mechanism. Generally, it is recommended to use a tubing that will provide a higher flow rate than the components of the circuit (regulators, valves, cylinders, etc.).

The type of connection used will also influence the airflow rate: barb fittings are installed inside the tubing and reduce the flow rate while the push-to-connect fittings clamp the outside of the tubing and offer no flow restriction. Therefore a smaller diameter tubing can be used with push-to-connect fittings, resulting in space and money saving.

WORKING TEMPERATURE

Temperature range for which a particular tubing can effectively be used. When considering temperature, it should be remembered that the higher the temperature, the lower the burst (and working) pressure. Since "working pressures" are calculated at ambient temperature, that figure will be reduced significantly as the temperature approaches the high end of the working temperature range.

THE TYPE OF FITTINGS USED

There are three types of fittings used with tubing: push-to-connect fittings, compression fittings and barb fittings. The selected tubing must be compatible with the type of fitting chosen.

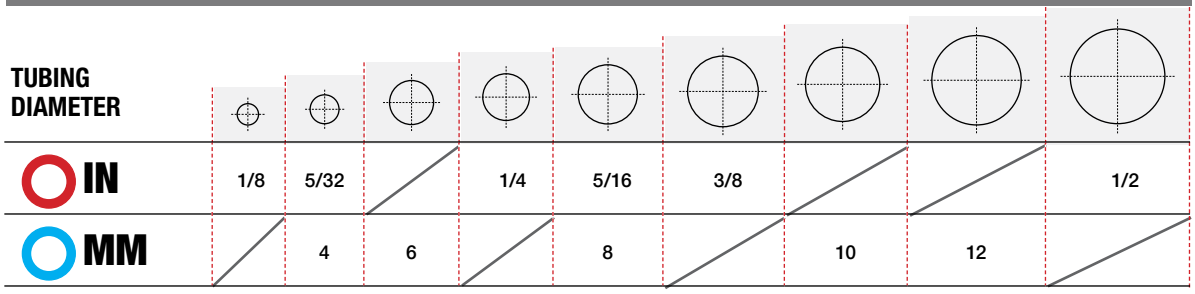
The unit of measurement specified for pneumatic tubings is the outside diameter because they are used with push-to-connect fittings. The tubings are available in imperial sizes (in) and metric (mm) and the fitting should be the same size.

PNEUMATIC TUBINGS AND HOSES SELECTION GUIDE



TUBING COMPARISON	SERIES 32 Nylon 12	SERIES 33 Nylon.PU LongLife™	SERIES 34 Polyethylene (LLDPE)	SERIES 34 Polyethylene (LDPE)	SERIES 35 Polyurethane (PU)	SERIES 37 Fluoropolymer (PTFE)	SERIES 38 Clear PVC	SERIES 38 NYFLEX Reinforced PVC with polyester yarn	SERIES 38 POLYWIRE Reinforced PVC with steel wire
MAXIMUM WORKING PRESSURE	★★★★	★★★★	★★	★★	★★	★★★	★	★★	★★
WORKING TEMPERATURE	★★★	★★★★	★★	★	★★★	★★★★★	★	★	★
RESISTANCE TO									
Abrasion	★★★	★★★	★★	★★	★★★★	★★★	★	★	★
Kinking	★★	★★	★	★	★★★★	★★	★★★	★★	★★
Moisture	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★	★★★
Ultraviolet Rays	★★★	★★★	★	★	★★	★★★	★	★	★
CRITERIA									
Compliances	RoHS	RoHS	RoHS-FDA	RoHS	RoHS	RoHS - FDA	NSF - FDA RoHS	NSF - FDA RoHS	NSF - FDA RoHS
Flexibility	★★★	★★★★	★★★	★★★★	★★★★★	★★★	★★★	★★	★★
Cost	$ $ $	$ $	$	$	$ $	$ $ $	$	$	$ $

REFERENCE CHART OF ACTUAL DIAMETER SIZE



NYLON 12 TUBINGS

IN | MM

For pneumatic systems, vacuum and with oils, coolants, water and paint supply lines.

- Good flexibility with super dimensional stability, ensuring perfect connection with push-to-connect fittings
- Excellent pressure rating
- Excellent resistance to crushing, abrasion and cracking
- Superior resistance to solvents, alkalis, oils, greases, petroleum products, and molds
- Good resistance to vibration
- Very low moisture absorption
- Broad temperature range
- RoHS compliant
- Silicone-free

Material

Tubing: Nylon 12

Specifications

Working Temperature: -40 to 70 °C

Vacuum Rating: Up to 28" Hg

Available Colors: Translucent white, black, red and blue







100 ft / 30 m



330 ft / 100 m



INCH SIZE

100 FT POLYBAG						
White	Black	Red	Blue	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 23 °C)
32.100	---	---	---	1/8	.080	348 PSI
32.110	32.110.01	32.110.05	32.110.07	5/32 (4 mm)	.106	362 PSI
32.120	32.120.01	32.120.05	32.120.07	1/4	.180	304 PSI
32.130	32.130.01	32.130.05	32.130.07	5/16 (8 mm)	.233	275 PSI
32.140	32.140.01	32.140.05	32.140.07	3/8	.275	290 PSI
32.150	32.150.01	---	32.150.07	1/2	.375	276 PSI

330 FT REEL						
32.300	---	---	---	1/8	.080	348 PSI
32.310	32.310.01	32.310.05	32.310.07	5/32 (4 mm)	.106	362 PSI
32.320	32.320.01	32.320.05	32.320.07	1/4	.180	304 PSI
32.330	32.330.01	32.330.05	32.330.07	5/16 (8 mm)	.233	275 PSI
32.340	32.340.01	32.340.05	32.340.07	3/8	.275	290 PSI
32.350	32.350.01	---	32.350.07	1/2	.375	276 PSI

METRIC SIZE

30 M POLYBAG						
White	Black	Red	Blue	Tubing O.D. mm	Tubing I.D. mm	Maximum Working Pressure (at 23 °C)
32.110	32.110.01	32.110.05	32.110.07	4 (5/32)	2.7	362 PSI
32.115	32.115.01	32.115.05	32.115.07	6	4.0	377 PSI
32.130	32.130.01	32.130.05	32.130.07	8 (5/16)	6.0	275 PSI
32.145	32.145.01	32.145.05	32.145.07	10	8.0	203 PSI
32.147	32.147.01	32.147.05	32.147.07	12	10.0	174 PSI

100 M REEL						
32.310	32.310.01	32.310.05	32.310.07	4 (5/32)	2.7	362 PSI
32.315	32.315.01	32.315.05	32.315.07	6	4.0	377 PSI
32.330	32.330.01	32.330.05	32.330.07	8 (5/16)	6.0	275 PSI
32.345	32.345.01	32.345.05	32.345.07	10	8.0	203 PSI
32.346	32.346.01	32.346.05	32.346.07	12	10.0	174 PSI

SUPER FLEXIBLE LONGLIFE™ NYLON.POLYURETHANE TUBINGS

IN | MM

Economical tubings for pneumatic systems, vacuum and with oils, coolants, water and paint supply lines.

- Triple layer tubing with two layers of polyamide 12 PHL (Nylon 12) and one middle layer of polyurethane
- Very strong with excellent flexibility
- Superior dimensional stability, ensuring perfect connection with push-to-connect fittings
- High pressure resistance
- Excellent resistance to crushing, abrasion and cracking
- Very low moisture absorption
- Broad temperature range
- RoHS compliant
- Silicone, phthalate and halogen free

Materials

Inside and Outside Layers: Nylon 12

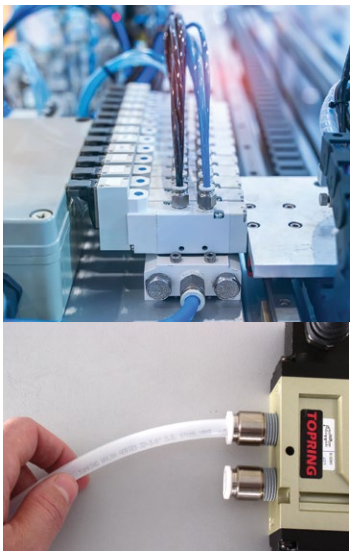
Middle Layer: Ether-based polyurethane

Specifications

Working Temperature: -40 to 70 °C

Vacuum Rating: Up to 28" Hg

Available Colors: Translucent white, black,red and blue





100 ft / 30 m



330 ft / 100 m



INCH SIZE

100 FT POLYBAG						
White	Black	Red	Blue	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 23 °C)
33.110	**33.110.01**	**33.110.05**	**33.110.07**	5/32 (4 mm)	.106	348 PSI
33.120	**33.120.01**	**33.120.05**	**33.120.07**	1/4	.180	247 PSI
33.130	**33.130.01**	**33.130.05**	**33.130.07**	5/16 (8 mm)	.236	218 PSI
33.140	**33.140.01**	**33.140.05**	**33.140.07**	3/8	.275	232 PSI
33.150	**33.150.01**	**---**	**---**	1/2	.375	218 PSI

330 FT COIL						
33.310	**33.310.01**	**33.310.05**	**33.310.07**	5/32 (4 mm)	.106	348 PSI
33.320	**33.320.01**	**33.320.05**	**33.320.07**	1/4	.180	247 PSI
33.330	**33.330.01**	**33.330.05**	**33.330.07**	5/16 (8 mm)	.236	218 PSI
33.340	**33.340.01**	**33.340.05**	**33.340.07**	3/8	.275	232 PSI
33.350	**33.350.01**	**---**	**---**	1/2	.375	218 PSI

METRIC SIZE

30 M POLYBAG						
White	Black	Red	Blue	Tubing O.D. mm	Tubing I.D. mm	Maximum Working Pressure (at 23 °C)
33.110	**33.110.01**	**33.110.05**	**33.110.07**	4 (5/32)	2.5	348 PSI
33.115	**33.115.01**	**33.115.05**	**33.115.07**	6	4.0	305 PSI
33.130	**33.130.01**	**33.130.05**	**33.130.07**	8 (5/16)	6.0	218 PSI
33.145	**---**	**---**	**---**	10	8.0	160 PSI
33.147	**---**	**---**	**---**	12	10	131 PSI

100 M COIL						
33.310	**33.310.01**	**33.310.05**	**33.310.07**	4 (5/32)	2.5	348 PSI
33.315	**33.315.01**	**33.315.05**	**33.315.07**	6	4.0	305 PSI
33.330	**33.330.01**	**33.330.05**	**33.330.07**	8 (5/16)	6.0	218 PSI
33.345	**---**	**---**	**---**	10	8.0	160 PSI
33.347	**---**	**---**	**---**	12	10	131 PSI

LINEAR LOW DENSITY FOOD GRADE POLYETHYLENE (LLDPE) TUBINGS

IN

For general low-pressure applications, pneumatic circuitry, air and liquid transfer, vacuum lines, drain piping, food and beverages.

- LLDPE food grade for standard industrial applications
- Manufactured from high quality resins
- Provide excellent environmental stress crack resistance
- Lightweight
- Good dimensional stability
- Very good resistance to solvents
- Excellent bending radius
- Certified under the FDA standards (Food and Drug Administration)
- RoHS compliant
- Silicone and phthalate free

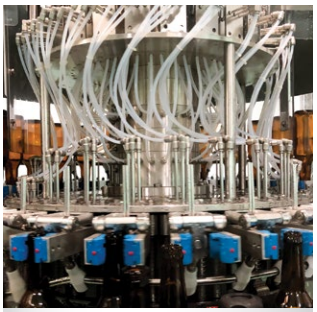
Material

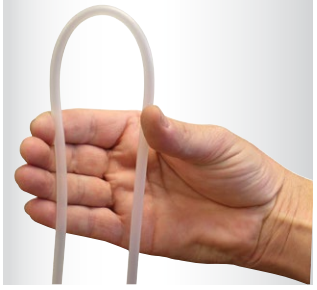
Tubing: Low density polyethylene (LLDPE)

Specifications

Working Temperature: -45 to 60 °C
Color: Translucent white

FDA Type 1, Class A, Category 4 Polyethylene under CFR 177.1520







100 ft



500 ft



INCH SIZE

100 FT POLYBAG

Product No	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 20 °C)
34.120	1/4	.170	140 PSI
34.140	3/8	.250	125 PSI
34.150	1/2	.375	100 PSI
34.155	5/8	.500	75 PSI

INCH SIZE

500 FT COIL

Product No	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 20 °C)
34.520	1/4	.170	140 PSI
34.540	3/8	.250	125 PSI
34.550	1/2	.375	100 PSI

LOW DENSITY POLYETHYLENE (LDPE) TUBINGS

IN

Economical solution for general low-pressure applications, pneumatic circuitry, air and liquid transfer, light vacuum lines, drain piping and machine tools.

- Superior stress crack resistance
- Lightweight and flexible
- Made of high quality resins
- Good dimensional stability
- Resistance to most chemicals and solvents
- RoHS compliant
- Silicone, phthalate and halogen free

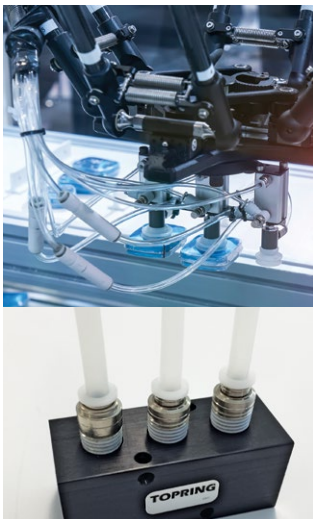
Material

Tubing: Low density polyethylene (LDPE)

Specifications

Working Temperature: -10 to 60 °C

Color: Translucent white





100 ft



500 ft



INCH SIZE

100 FT POLYBAG

Product No	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 23 °C)
34.170	1/4	.170	160 PSI
34.180	3/8	.250	174 PSI
34.185	1/2	.375	131 PSI

INCH SIZE

500 FT COIL

Product No	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 23 °C)
34.570	1/4	.170	160 PSI
34.580	3/8	.250	174 PSI
34.585	1/2	.375	131 PSI

POLYURETHANE (PU) TUBINGS

IN | MM

For peumatic systems, robotics, instrumentation, motion control devices and automation.

- Extremely flexible (even more than nylon tubings) offering excellent bending radius
- Extremely kink-resistant - withstands abuse that would damage other tubing types
- Excellent resistance to oils, greases, fuels, moisture and molds
- Great resistance to UV rays, cuts and abrasion
- RoHS compliant
- Silicone free

Material

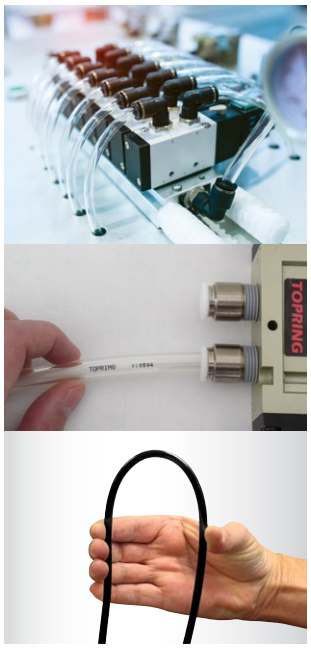
Tubing: Ester-based polyurethane

Specifications

Working Temperature: -40 to 70 °C

Vacuum: Up to 28" Hg

Available Colors: Clear, black, red, blue and translucent blue







100 ft / 30 m



330 ft / 100 m

INCH SIZE

100 FT POLYBAG

Clear	Black	Red	Blue	Translucent blue	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 23 °C)
35.105	---	---	---	---	1/8	0.066	220 PSI
35.115	---	---	---	---	5/32 (4 mm)	0.093	143 PSI
35.124	**35.124.01**	**35.124.05**	**35.124.07**	**35.124.27**	1/4	0.156	143 PSI
35.136	---	---	---	**35.136.27**	5/16 (8 mm)	0.187	165 PSI
35.138	**35.138.01**	---	**35.138.07**	**35.138.27**	3/8	0.250	132 PSI
35.150	---	---	---	**35.150.27**	1/2	0.328	148 PSI

330 FT REEL

35.305	---	---	---	---	1/8	0.066	220 PSI
35.315	---	---	---	---	5/32 (4 mm)	0.093	143 PSI
35.324	**35.324.01**	**35.324.05**	**35.324.07**	**35.324.27**	1/4	0.156	143 PSI
35.336	**35.336.01**	---	---	**35.336.27**	5/16 (8 mm)	0.187	165 PSI
35.338	**35.338.01**	---	**35.338.07**	**35.338.27**	3/8	0.250	132 PSI
35.350	---	---	---	**35.350.27**	1/2	0.328	148 PSI

METRIC SIZE

30 M POLYBAG

Clear	Blue	Translucent blue	Tubing O.D. mm	Tubing I.D. mm	Maximum Working Pressure (at 23 °C)
35.115	---	---	4 (5/32)	2.5	143 PSI
35.117	**35.117.07**	**35.117.27**	6	4.0	160 PSI
35.136	---	**35.136.27**	8 (5/16)	5.0	165 PSI
35.145	---	**35.145.27**	10	6.5	160 PSI
35.146	---	**35.146.27**	12	8.0	145 PSI

100 M REEL

35.315	---	---	4 (5/32)	2.5	143 PSI
35.317	**35.317.07**	**35.317.27**	6	4.0	160 PSI
35.336	---	**35.336.27**	8 (5/16)	5.0	165 PSI
35.345	---	**35.345.27**	10	6.5	160 PSI
35.346	---	**35.346.27**	12	8.0	145 PSI

FLUOROPOLYMER (PTFE) TUBINGS

IN | MM

Fluoropolymer (PTFE) are known for their outstanding properties under a variety of applications.

Excellent tubing in high temperatures in combination with aggressive media or critical environment.

- Excellent resistance to chemical products
- Extremely stable up to a temperature of 200 °C
- Excellent dielectric properties
- Virtually unaffected by oxygen, ozone and UV rays
- Lowest coefficient of friction of all polymers
- Fireproof to UL94 V0
- Certified under the FDA standards (Food and Drug Administration)
- RoHS compliant
- Silicone, phthalate and halogen free

Material

Tubing: Fluoropolymer (PTFE)

Specifications

Working Temperature: -40 to 200 °C

Color: Translucent white





164 ft / 50 m



INCH SIZE

164 FT POLYBAG

Product No	Tubing O.D. in	Tubing I.D. in	Maximum Working Pressure (at 23 °C)
37.210	5/32 (4 mm)	.080	362 PSI
37.220	1/4	.125	362 PSI
37.230	5/16 (8 mm)	.240	145 PSI
37.240	3/8	.240	217 PSI
37.250	1/2	.375	145 PSI

METRIC SIZE

50 M POLYBAG

Product No	Tubing O.D. mm	Tubing I.D. mm	Maximum Working Pressure (at 23 °C)
37.210	4 (5/32)	2	362 PSI
37.215	6	4	217 PSI
37.230	8 (5/16)	6	145 PSI

CLEAR PVC FOOD GRADE TUBINGS

IN

For low pressure airlines, water, light vacuum lines and drain lines.

- Lightweight with better flexibility compared to nylon and polyethylene
- Crystal-clear appearance with smooth interior to reduce sediment buildup
- Non-reinforced
- Non-toxic
- Resistant to many chemicals and solvents
- Self-extinguishing
- Certified under NSF-51 standards (food equipment material)
- Certified under the FDA standards (Food and Drug Administration)
- RoHS compliant
- Silicone and phthalate free

Food Grade
Certified under NSF-51 Standard

Phthalate FREE

Material

Tubing: Quality PVC resin

Specifications

Working Temperature: -4 to 65 °C

Durometer: 73 Shore A

Color: Clear





50 ft / 100 ft



INCH SIZE

50 FT CARTON

Product No	Hose O.D. in	Hose I.D. in	Maximum Working Pressure (at 20 °C)	Weight kg/100 ft
38.705	1-1/2	1-1/4	20 PSI	6.71
38.710	1-7/8	1-1/2	30 PSI	12.29
38.715	2-1/2	2	35 PSI	21.86

INCH SIZE

100 FT CARTON

Product No	Hose O.D. in	Hose I.D. in	Maximum Working Pressure (at 20 °C)	Weight kg/100 ft
38.050	1/4	1/8	65 PSI	0.91
38.075	5/16 (8 mm)	3/16	55 PSI	1.22
38.100	3/8	1/4	55 PSI	1.54
38.250	1/2	1/4	60 PSI	3.63
38.200	7/16	5/16	50 PSI	1.81
38.300	1/2	3/8	45 PSI	2.13
38.350	5/8	3/8	55 PSI	4.85
38.400	5/8	1/2	30 PSI	2.72
38.450	3/4	1/2	45 PSI	6.80
38.525	7/8	5/8	40 PSI	7.30
38.600	1	3/4	35 PSI	8.53
38.700	1-1/4	1	25 PSI	10.93

NYFLEX®
GENERAL PURPOSE PVC HOSES

IN

General PVC hose for air and water lines, glue lines, lubrication lines, packaging machines, food and beverages.

- Lightweight and flexible with non-marking cover
- Ozone and climatic conditions resistance
- Chemical resistance
- Clear and smooth inner tube
- Certified under NSF-51 standard (food equipment materials)
- Certified under Canadian Food Inspection Agency standard (CFIA)
- RoHS compliant
- Silicone and phthalate free

Food Grade NSF Certified under NSF-51 Standard

CFIA Certified under Canadian Food Inspection Agency Standard

RoHS DIRECTIVE

Phthalate FREE



Materials

Hose: Clear PVC compound

Reinforcement: Spiral polyester yarn with additional longitudinal yarn to reduce elongation under pressure

Specifications

Working Temperature: -4 to 65 °C





100 / 200 / 300 ft



500 ft



INCH DIAMETER

100 / 200 / 300 FT COIL

Product No	Hose Length ft	Hose O.D. in	Hose I.D. in	Maximum Working Pressure (at 20 °C)	Weight kg/100 ft
38.900	300	0.438	1/4	250 PSI	2.7
38.905	300	0.594	3/8	225 PSI	4.0
38.910	300	0.750	1/2	200 PSI	5.9
38.915	300	0.891	5/8	200 PSI	8.1
38.920	200	1.031	3/4	150 PSI	9.9
38.925	200	1.300	1	125 PSI	13.6
38.930	100	1.620	1-1/4	100 PSI	20.4
38.935	100	1.938	1-1/2	100 PSI	29.0
38.940	100	2.490	2	75 PSI	42.2

INCH DIAMETER

500 FT REEL

Product No	Hose O.D. in	Hose I.D. in	Maximum Working Pressure (at 20 °C)	Weight kg/100 ft
38.950	0.438	1/4	250 PSI	2.7
38.960	0.594	3/8	225 PSI	4.0
38.970	0.750	1/2	200 PSI	5.9

INSTALLATION TIP

It is recommended to use a hose barb to male NPT

POLYWIRE®

CLEAR PVC HOSES REINFORCED WITH STEEL WIRE

IN

For air and water supply lines, full vacuum lines, industrial vacuum pumps, food and beverage dispensing, car wash applications, coolant lines, pneumatic parts transfer and deionized water systems.

- Steel wire reinforcement prevents kinking or collapsing
- Chemical resistance with smooth interior to reduce sediment buildup
- Crystal clear hose to see the liquid circulating
- Self-extinguishing
- Non-marking
- Antistatic
- Certified under NSF-51 standard (food equipment materials)
- Certified under Canadian Food Inspection Agency standard (CFIA)
- RoHS compliant
- Silicone and phthalate free

Food Grade NSF Certified under NSF-51 Standard

CFIA Certified under Canadian Food Inspection Agency Standard

RoHS DIRECTIVE

Phthalate FREE

Materials

Hose: Clear PVC compound

Reinforcement: Steel wire

Specifications

Working Temperature: -4 to 65 °C

Vacuum: Up to 29.9" HG at 21 °C

Color: Clear





50 ft / 100 ft



INCH DIAMETER

50 / 100 FT COIL

Product No	Hose Length ft	Hose O.D. in	Hose I.D. in	Maximum Working Pressure (at 20 °C)	Weight kg/100 ft
38.800	100	1/2	1/4	250 PSI	4.5
38.805	100	5/8	3/8	150 PSI	5.9
38.810	100	13/16	1/2	150 PSI	9.5
38.815	100	1	5/8	150 PSI	13.6
38.820	100	1-1/8	3/4	150 PSI	16.3
38.825	100	1-3/8	1	100 PSI	19.9
38.830	50	1-3/4	1-1/4	100 PSI	16.8
38.835	50	2	1-1/2	100 PSI	19.0
38.840	50	2-1/2	2	100 PSI	25.4

INSTALLATION TIP

It is recommended to use a hose barb to male NPT

Clear PVC hose specifically designed for the transfer of oily food are available on demand.

MINIATURE TUBING CUTTER

Allows quick, clean and square cuts on nylon, polyethylene and polyurethane tubing with an outside diameter size of 1/8 to 3/4 inch (4.4 to 9 mm).

- Safety "lock-open" push button
- 3 ft (92 mm) tape mesure





Product No	Description
36.005	Miniature tubing cutter with tape measure

PIPE CUTTER

Provides a straight, even and accurate cut on pipes or and air hoses with an outside diameter size up to 1-13/32 inch (up to 36 mm).

- Ergonomically designed handle
- Steel spring controlling cutting tension
- Lockout handle
- Replaceable hardened steel blades



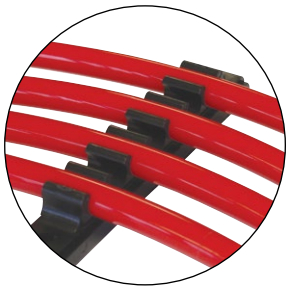


Product No	Description
36.100	Pipe cutter

TUBING RACKS

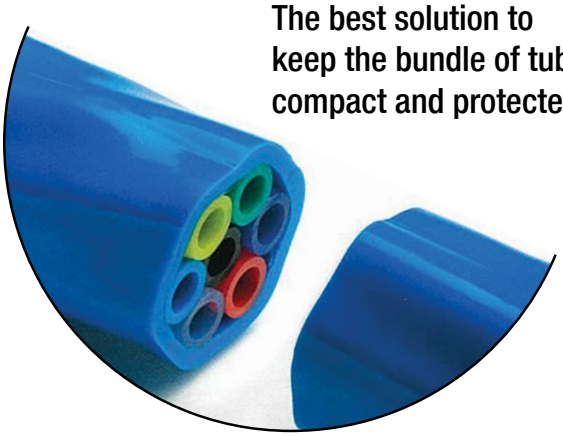
- Keeps tubing separate
- 1/4 in O.D. model has countersunk holes for #4 screws. Channel designed to be cut to length to accommodate from 1 to 10 tubing
- 3/8 in and 1/2 in O.D. models have screw attachment holes at each end





Product No	Tubing O.D	Tubing Capacities
36.915	1/4	10
36.920	3/8	7
36.925	1/2	6

MULTITUBE NYLON 12 TUBING WITH POLYURETHANE SHEAT COVER



The best solution to keep the bundle of tubes compact and protected

- Multitube made with nylon 12 tubes (flexible plasticized, stabilized to light and heat) of different colors to allow a fast distinction of the circuits
- Available in versions with 3, 4, 7 and 12 tubes and in lengths of 25 meter and 100 meter
- The assembly takes place by stranding, to ensure maximum flexibility of the product and to minimize the forces acting on the inner tubes with respect to the radius of curvature applied
- The cover is made of blue ether-based polyurethane, resistant to abrasion, hydrolysis, and microbial attacks (sheath adheres to the internal tubes from which it takes its shape)
- Perfect for industrial automation, machine tools, air brakes systems, vacuum, robotics, clutch systems and petroleum derivatives transfer
- Available upon request

Materials

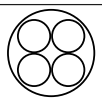
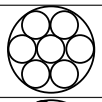
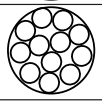
Tubing: Nylon 12
Cover: Polyurethane

Specifications

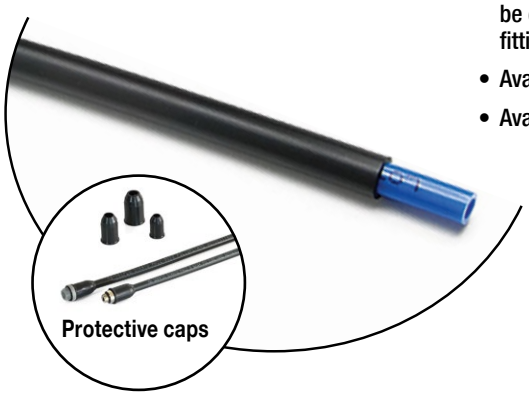
Working Temperature: -40 to 80°C
Vacuum: Up to 28" HG
Color: See chart below

Color Chart

T	Neutral	A	Light Blue
G	Yellow	BC	Royal Blue
AR	Orange	BS	Dark Blue
AS	Dark orange	V	Green
R	Red	S	Metallic Grey
VL	Purple	N	Black

Configuration	Number of tubing	Colour of tubing	Size of tubing (outside diameter)	Size of tube cover (outside diameter)
	3	T-BS-R	4 mm (5/32) 6 mm 8 mm (8/16) 10 mm	10 mm 14 mm 18 mm 22 mm
	4	T-BS-R-N	4 mm (5/32) 6 mm 8 mm (8/16) 10 mm	12 mm 18 mm 23.5 mm 29.5 mm
	7	T-BS-R-N-A-G-V	4 mm (5/32) 6 mm 8 mm (8/16)	14 mm 21 mm 27 mm
	12	T-BS-R-N-A-G-V-S-AR-AS-BC-VL	4 mm (5/32) 6 mm	20.5 mm 29 mm

SPARK RESISTANT POLYURETHANE DOUBLE LAYER TUBE



- Flexible double layer tube
- Double layer tube consisting of an inner layer of polyurethane tubing, light and heat stabilized, and an outer layer of self-extinguishing Ether-based polyurethane that ensures protection against sparks and welding slags
- The external protective sheet has been designed to be easily slide with a tool for use with push-to-connect fittings
- Available in lengths of 25 meter and 100 meters
- Available upon request

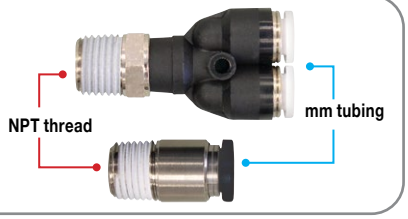
Materials

Tubing: Nylon 12
Cover: Polyurethane

Specifications

Working Temperature: -40 to 80°C
Vacuum: Up to 28" HG

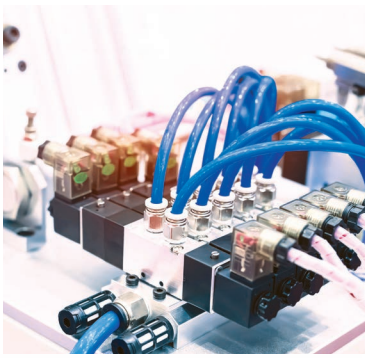
See Series 40-42 for NPT push-to-connect fittings compatible with mm tubings



Push-to-connect fittings







Groupe 5 • Series 39-46

TOPRING

Compressed air solutions

TABLE OF CONTENT

S39 TO S46 • PUSH-TO-CONNECT FITTINGS

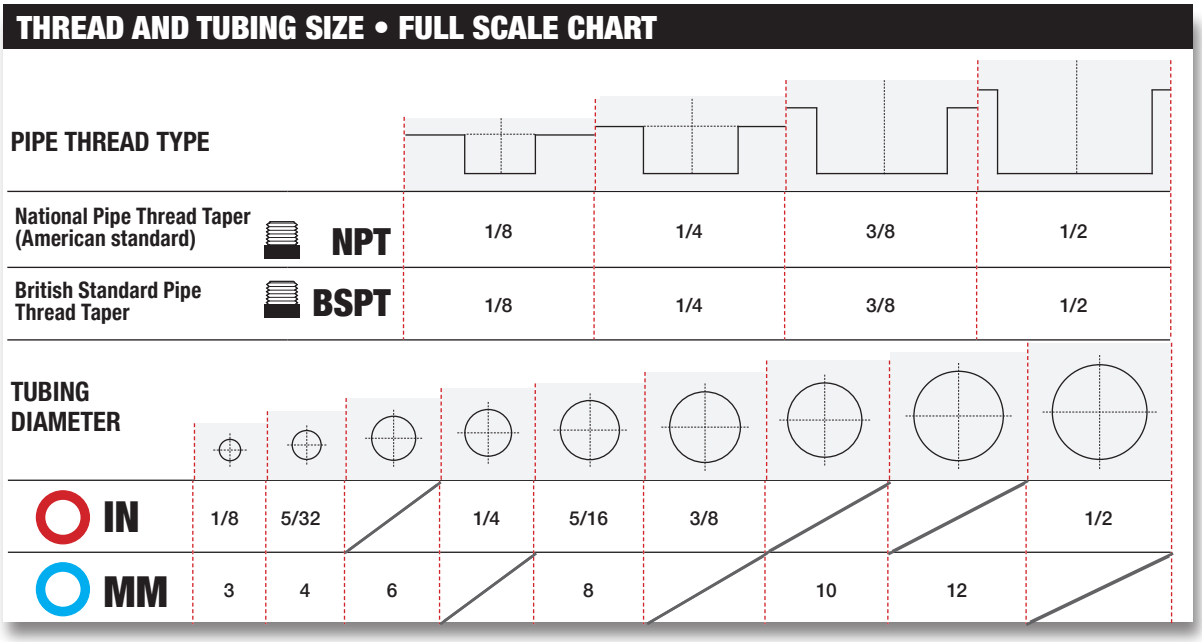
TOPFIT / NICKEL-PLATED BRASS 3
S39 • TOPFIT NPT 4
S39 • TOPFIT BSPT 6

TOPFIT / POLYMER 8
S40 • TOPFIT NPT 9
S42 • TOPFIT BSPT 11

TOPFIT / STAINLESS STEEL 14
S43 • TOPFIT NPT 14
S43 • TOPFIT BSPT 15

MAXFIT / POLYMER 16
S44 • MAXFIT NPT 17
S46 • MAXFIT BSPT 21

THREAD AND TUBING SIZE • FULL SCALE CHART



TOPFIT®
PUSH-TO-CONNECT FITTINGS
NICKEL-PLATED BRASS

For compressed air and vacuum for use with calibrated polyethylene, nylon and polyurethane tubing.

Quick connect design
One-piece fittings save over 75% of assembly time compared to standard compression fittings.

Instantaneous connection / disconnection
No tool required for assembly

Full-flow design
Provides up to 60% more flow than compression fittings

Fully reusable
Designed to resist multiple connections and disconnections with leak-free operations and solid tube gripping

Self-contained assembly
No loose parts or inserts

Materials

Body and Ring: Nickel-plated brass

Seals: POM

Lock Claws: Stainless steel

O-Ring: Nitrile rubber

Specifications

Working Pressure:
Fittings suitable for use up the maximum working pressure of pneumatic tubing used and with a maximum pressure of 290 PSI

Vacuum: 28" Hg

Working Temperature: -10 to 80 °C

TOPFIT® | NICKEL-PLATED BRASS | IN | NPT THREAD

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. in	Thread (M) NPT
39.100	1/8	10-32 ◇
39.104	1/8	1/8
39.106	5/32	10-32 ◇
39.108	5/32	1/8
39.110	5/32	1/4
39.111	1/4	10-32 ◇
39.112	1/4	1/8
39.113	1/4	3/8
39.114	1/4	1/4
39.115	5/16	1/8
39.116	5/16	1/4
39.117	5/16	3/8
39.118	3/8	1/8
39.120	3/8	1/4
39.122	3/8	3/8
39.124	3/8	1/2
39.126	1/2	1/4
39.128	1/2	3/8
39.130	1/2	1/2

10-32 ◇: (M) UNF

HEXAGONAL HOLE



Product No	Tubing O.D. in	Thread (M) NPT
39.215	1/4	1/8
39.216	1/4	1/4
39.219	5/16	1/4
39.224	3/8	1/4
39.225	3/8	3/8

"Y"



Product No	Tubing O.D. in	Thread (M) NPT
39.355	1/4	1/8
39.356	1/4	1/4
39.363	3/8	1/4
39.364	3/8	3/8
39.368	1/2	1/2

FEMALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. in	Thread (F) NPT
39.332	5/32	1/8
39.334	1/4	1/8
39.336	1/4	1/4
39.337	5/16	1/4
39.338	3/8	1/4
39.340	3/8	3/8
39.342	1/2	1/4

BULKHEAD



Product No	Tubing O.D. in	Thread (F) NPT
39.570	1/4	1/8
39.571	1/4	1/4
39.579	3/8	3/8

SPEED CONTROLLER

WITH FLOW CONTROL VALVE
THREADED ELBOW



Meter-out Product No	Meter-in Product No	Tubing O.D. in	Thread (M) NPT
39.700	39.701	1/4	1/8
39.705	39.706	1/4	1/4
39.708	---	5/16	1/4
39.710	39.711	3/8	1/4
39.712	39.713	3/8	3/8

WITHOUT FLOW CONTROL VALVE
STRAIGHT UNION



Product No	Tubing O.D. in
39.720	5/32
39.721	1/4
39.722	5/16
39.723	3/8
39.724	1/2

STEM ADAPTER

IN - IN



Product No	Tubing ① O.D. in	Stem ② O.D. in
39.161	1/8	5/32
39.163	5/32	1/4
39.158	1/4	5/16
39.166	1/4	3/8
39.171	1/4	1/2
39.167	5/16	3/8
39.169	3/8	1/2

TOPFIT® | NICKEL-PLATED BRASS | IN | NPT THREAD

MALE ELBOW

SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
39.235	1/8	10-32 ◇
39.240	1/8	1/8
39.242	5/32	10-32 ◇
39.244	5/32	1/8
39.246	5/32	1/4
39.247	1/4	10-32 ◇
39.248	1/4	1/8
39.250	1/4	1/4
39.249	1/4	3/8
39.251	5/16	1/8
39.252	5/16	1/4
39.253	5/16	3/8
39.254	3/8	1/8
39.256	3/8	1/4
39.258	3/8	3/8
39.260	3/8	1/2
39.262	1/2	1/4
39.264	1/2	3/8
39.266	1/2	1/2

10-32 ◇: (M) UNF

NON-SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
39.192	5/32	1/8
39.194	1/4	1/8
39.196	1/4	1/4
39.202	3/8	1/4
39.204	3/8	3/8

SWIVEL BANJO



Product No	Tubing O.D. in	Thread (M) NPT
39.951	5/32	1/8
39.953	1/4	1/8
39.955	1/4	1/4
39.957	3/8	1/4
39.958	3/8	3/8

Specially designed to facilitate the connection of a tubing with a male threaded connection with a 90º angle

Ideal when there are multiple fittings in a confined space



UNION

STRAIGHT



Product No	Tubing O.D. in
39.160	1/8
39.162	5/32
39.164	1/4
39.165	5/16
39.168	3/8
39.170	1/2

ELBOW



Product No	Tubing O.D. in
39.270	1/8
39.272	5/32
39.274	1/4
39.275	5/16
39.276	3/8
39.278	1/2

TEE



Product No	Tubing O.D. in
39.540	1/8
39.542	5/32
39.544	1/4
39.546	5/16
39.548	3/8
39.550	1/2

"Y"



Product No	Tubing O.D. in
39.310	1/8
39.311	5/32
39.312	1/4
39.314	5/16
39.316	3/8

BULKHEAD



Product No	Tubing O.D. in
39.582	5/32
39.584	1/4
39.585	5/16
39.586	3/8
39.588	1/2

MALE BRANCH TEE

SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
39.478	1/8	1/8
39.482	5/32	1/8
39.484	1/4	1/8
39.486	1/4	1/4
39.487	1/4	3/8
39.473	5/16	1/8
39.474	5/16	1/4
39.475	5/16	3/8
39.488	3/8	1/4
39.490	3/8	3/8
39.491	3/8	1/2
39.492	1/2	1/4
39.493	1/2	3/8
39.495	1/2	1/2

SWIVEL RUN TEE



Product No	Tubing O.D. in	Thread (M) NPT
39.339	5/32	1/8
39.440	1/4	1/8
39.442	1/4	1/4
39.443	5/16	1/8
39.444	5/16	1/4
39.446	3/8	1/4
39.448	3/8	3/8

REDUCER

STRAIGHT UNION



Product No	Tubing ① O.D. in	Tubing ② O.D. in
39.176	5/32	1/8
39.178	1/4	5/32
39.180	5/16	1/4
39.182	3/8	1/4
39.184	3/8	5/16
39.186	1/2	3/8

TEE



Product No	Tubing ① O.D. in	Tubing ② O.D. in
39.560	3/8	1/4
39.562	1/2	3/8

PLUG



Product No	O.D. in
39.600	1/8
39.601	5/32
39.602	1/4
39.603	5/16
39.604	3/8
39.605	1/2

TOPFIT® | NICKEL-PLATED BRASS | MM | BSPT THREAD

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. mm	Thread (M) BSPT
39.009	4	M5*
39.010	4	1/8
39.011	4	1/4
39.008	6	M5*
39.012	6	M6*
39.013	6	1/8
39.014	6	1/4
39.015	6	3/8
39.016	8	1/8
39.017	8	1/4
39.018	8	3/8
39.020	10	1/8
39.021	10	1/4
39.022	10	3/8
39.023	10	1/2
39.024	12	1/4
39.025	12	3/8
39.026	12	1/2

* Metric thread

HEXAGONAL HOLE



Product No	Tubing O.D. mm	Thread (M) BSPT
39.904	6	1/8
39.905	6	1/4
39.906	8	1/8
39.907	8	1/4
39.911	10	3/8

Allen key type mounting
For side by side installation



FEMALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. mm	Thread (M) BSPT
39.870	4	1/8
39.872	6	1/8
39.873	6	1/4
39.874	8	1/8
39.875	8	1/4

MALE BRANCH TEE

SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPT
39.049	4	M5*
39.050	4	1/8
39.053	6	1/8
39.054	6	1/4
39.055	6	3/8
39.056	8	1/4
39.057	8	3/8
39.061	10	1/4
39.062	10	3/8

SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPP
39.850	4	1/8
39.853	6	1/8
39.854	6	1/4
39.856	8	1/4
39.857	8	3/8
39.861	10	1/4
39.862	10	3/8

SWIVEL RUN TEE



Product No	Tubing O.D. mm	Thread (M) BSPT
39.070	4	1/8
39.077	8	1/4
39.081	10	1/4
39.084	12	3/8

MALE ELBOW

SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPP
39.029	4	M5*
39.030	4	1/8
39.031	4	1/4
39.028	6	M5*
39.032	6	M6*
39.033	6	1/8
39.034	6	1/4
39.035	6	3/8
39.036	8	1/8
39.037	8	1/4
39.038	8	3/8
39.040	10	1/8
39.041	10	1/4
39.042	10	3/8
39.044	12	1/4
39.045	12	3/8
39.046	12	1/2

* Metric thread

UNION

STRAIGHT



Product No	Tubing O.D. mm
39.810	4
39.812	6
39.814	8
39.816	10
39.818	12

ELBOW



Product No	Tubing O.D. mm
39.830	4
39.832	6
39.834	8
39.836	10
39.838	12

TEE



Product No	Tubing O.D. mm
39.840	4
39.842	6
39.844	8
39.846	10

"Y"



Product No	Tubing O.D. mm
39.880	4
39.882	6
39.884	8
39.886	10

BULKHEAD



Product No	Tubing O.D. mm
39.820	4
39.822	6
39.824	8
39.825	10

SPEED CONTROLLER

WITHOUT FLOW CONTROL VALVE
STRAIGHT UNION



Product No	Tubing O.D. mm
39.943	4
39.944	6
39.945	8
39.946	10
39.947	12

REDUCER

STRAIGHT UNION



Product No	Tubing ① O.D. mm	Tubing ② O.D. mm
39.811	6	4
39.813	8	6
39.815	10	8
39.817	12	10

STEM ADAPTER



Product No	Tubing ① O.D. mm	Stem ② O.D. mm
39.090	4	6
39.091	6	8
39.092	8	10
39.094	10	12

PLUG



Product No	O.D. mm
39.800	4
39.801	6
39.802	8
39.803	10
39.804	12

TOPFIT®
PUSH-TO-CONNECT FITTINGS
POLYMER

For compressed air and vacuum.

Quick connect design
One-piece fitting saves over 75 % of assembly time compared to standard compression fittings

Compact design
Allows fittings to be closely mounted

Optimum flow
No part of the fitting goes inside the tubing for maximum unrestricted airflow

Instantaneous connection / disconnection
Wide release collar allows fast and trouble-free tubing removal

Fully reusable
Designed to resist multiple connections and disconnections with leak-free operations and solid tubing gripping

Tubing size identification
Tubing diameter indicated on release collar

Corrosion resistant threaded fittings
All threaded fittings are made of nickel-plated brass resistant to corrosion

Materials

Body: Polymer (PBT)

Release Collar: Polyacetal resin

Threaded Body: Nickel-plated brass

Lock Claws: Stainless steel

O-Ring: Nitrile rubber

Needle: Nickel-plated brass

Lock Nut: Aluminum

Elastic Sleeve: Nitrile rubber

Adjusting Screw: Nickel-plated brass

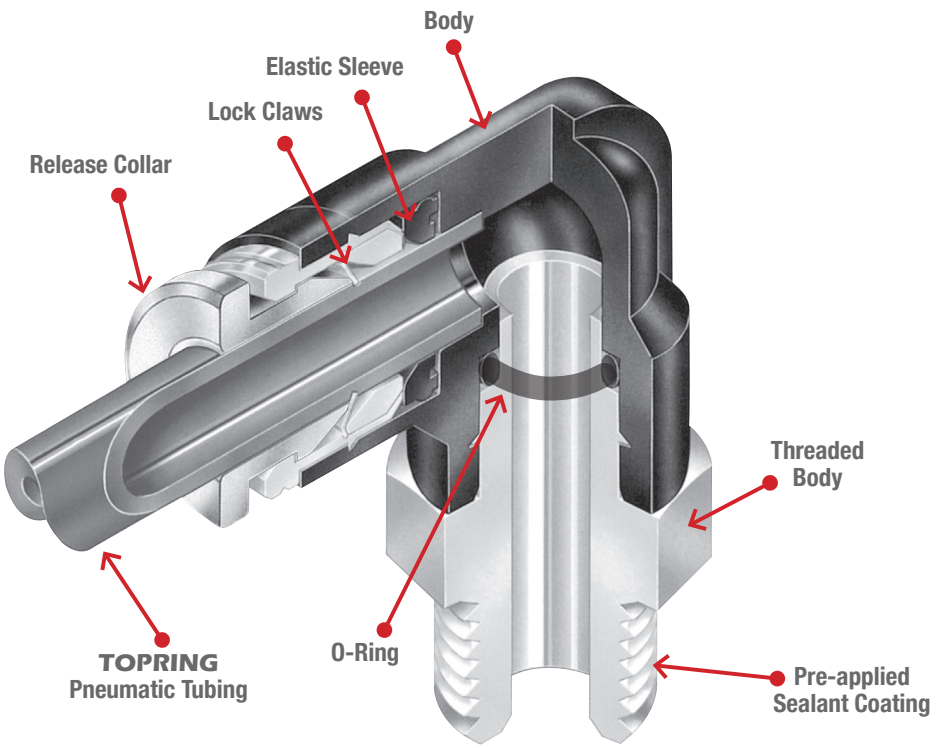
Specifications

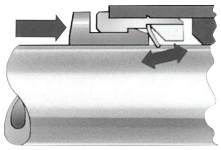
Maximum Working Pressure: 150 PSI

Working Temperature: 0 to 60 °C

NPT Thread / Series 40 available for tubing diameter in inches (imperial) and also for millimeters (metric) tubing diameter

BSPT Thread / Series 42 available for tubing diameter in millimeters (metric) and also for inches (imperial) tubing diameter

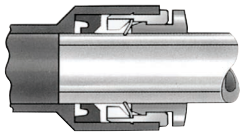




POSITIVE GRIPPING ACTION

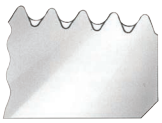
Stainless steel lock claws hold the tubing securely without damaging its surface

Vibration and pressure surges are safely absorbed to prevent accidental disconnections



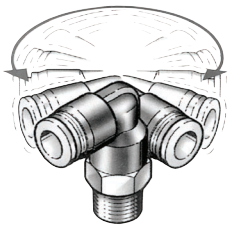
PERFECT SEAL

A nitrile rubber elastic sleeve guarantees a perfect seal between standard O.D. tubing and the body of the fitting



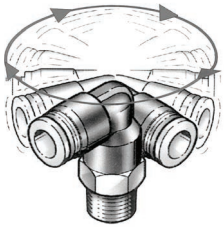
READY-TO-USE THREADS

Male threads have a pre-applied sealant which allows the fitting to be reused up to five times without the need for additional sealants



SWIVEL

Swivel elbows and tees can be oriented after installation for a perfect alignment with the tubing



ROTARY SWIVEL

The rotary swivel elbow will allow a rotative movement of 500 RPM

TOPFIT® | POLYMER | IN | NPT THREAD

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. in	Thread (M) NPT
40.100	1/8	1/16
40.101	1/8	10-32 ◇
40.105	1/8	1/8
40.115	5/32	10-32 ◇
40.120	5/32	1/8
40.125	5/32	1/4
40.128	1/4	10-32 ◇
40.130	1/4	1/8
40.135	1/4	1/4
40.140	1/4	3/8
40.145	5/16	1/8
40.150	5/16	1/4
40.155	5/16	3/8
40.159	3/8	1/8
40.160	3/8	1/4
40.165	3/8	3/8
40.170	3/8	1/2
40.175	1/2	1/4
40.180	1/2	3/8
40.185	1/2	1/2

10-32 ◇: (M) UNF

Product No	Tubing O.D. mm	Thread (M) NPT
40.002	6	1/8
40.003	6	1/4
40.006	10	1/8
40.007	10	1/4
40.008	10	3/8
40.009	10	1/2
40.011	12	1/4
40.012	12	3/8
40.013	12	1/2

HEXAGONAL HOLE



Product No	Tubing O.D. in	Thread (M) NPT
40.047	5/32	1/8
40.048	1/4	1/8
40.049	1/4	1/4
40.053	5/16	1/8
40.054	5/16	1/4
40.057	3/8	1/4
40.059	3/8	3/8

Product No	Tubing O.D. mm	Thread (M) NPT
40.017	6	1/8
40.018	6	1/4

Allen key type mounting
For side by side installation



"Y"



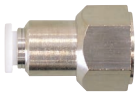
Product No	Tubing O.D. in	Thread (M) NPT
40.708	5/32	10-32◇
40.710	5/32	1/8
40.715	5/32	1/4
40.720	1/4	1/8
40.725	1/4	1/4
40.730	1/4	3/8
40.735	5/16	1/8
40.740	5/16	1/4
40.745	5/16	3/8
40.750	3/8	1/4
40.755	3/8	3/8
40.760	3/8	1/2
40.765	1/2	1/4
40.770	1/2	3/8
40.775	1/2	1/2

10-32 ◇: (M) UNF

Product No	Tubing O.D. mm	Thread (M) NPT
40.614	6	1/8
40.615	6	1/4
40.616	6	3/8
40.618	10	1/8
40.619	10	1/4
40.624	12	1/2

FEMALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. in	Thread (F) NPT
40.802	5/32	1/8
40.804	1/4	1/8
40.805	1/4	1/4
40.807	5/16	1/4
40.809	3/8	1/4
40.810	3/8	3/8
40.811	1/2	1/4
40.812	1/2	3/8

Product No	Tubing O.D. mm	Thread (F) NPT
40.038	6	1/8
40.039	6	1/4
40.041	10	1/4
40.043	12	1/4
40.044	12	3/8

BULKHEAD



Product No	Tubing O.D. in	Thread (F) NPT
40.633	1/4	1/8
40.635	1/4	1/4
40.638	5/16	1/4
40.637	5/16	3/8
40.639	3/8	1/4
40.640	3/8	3/8
40.641	1/2	3/8
40.642	1/2	1/2

Product No	Tubing O.D. mm	Thread (F) NPT
40.626	6	1/8
40.627	6	1/4
40.630	10	3/8

REDUCER

STRAIGHT UNION



Product No	Tubing ① O.D. in	Tubing ② O.D. in
40.193	5/32	1/8
40.198	1/4	5/32
40.203	5/16	1/4
40.204	3/8	1/4
40.208	3/8	5/16
40.213	1/2	3/8

TEE



Product No	Tubing ① O.D. in	Tubing ② O.D. in
40.575	1/4	5/32
40.576	5/16	1/4
40.577	3/8	1/4
40.578	3/8	5/16
40.579	1/2	3/8

UNION

STRAIGHT



Product No	Tubing O.D. in
40.190	1/8
40.195	5/32
40.200	1/4
40.205	5/16
40.210	3/8
40.215	1/2

ELBOW



Product No	Tubing O.D. in
40.304	1/8
40.305	5/32
40.310	1/4
40.315	5/16
40.320	3/8
40.325	1/2

TEE



Product No	Tubing O.D. in
40.420	1/8
40.425	5/32
40.430	1/4
40.435	5/16
40.440	3/8
40.445	1/2

BULKHEAD



Product No	Tubing O.D. in
40.650	5/32
40.655	1/4
40.660	5/16
40.665	3/8
40.670	1/2

"Y"



Product No	Tubing ① O.D. in	Tubing ② O.D. in
40.535	1/8	1/8
40.540	5/32	5/32
40.543	5/32	1/4
40.545	1/4	1/4
40.548	1/4	5/16
40.550	5/16	5/16
40.551	5/16	3/8
40.552	3/8	3/8
40.553	3/8	1/2
40.554	1/2	1/2

PLUG



Product No	Tubing O.D. in
40.675	1/8
40.680	5/32
40.685	1/4
40.690	5/16
40.695	3/8
40.700	1/2

TOPFIT® | POLYMER | IN | MM | NPT THREAD

MALE ELBOW

SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
40.220	1/8	1/16
40.218	1/8	10-32◇
40.225	1/8	1/8
40.235	5/32	10-32◇
40.240	5/32	1/8
40.245	5/32	1/4
40.248	1/4	10-32◇
40.250	1/4	1/8
40.255	1/4	1/4
40.260	1/4	3/8
40.265	5/16	1/8
40.270	5/16	1/4
40.271	5/16	3/8
40.273	3/8	1/8
40.275	3/8	1/4
40.280	3/8	3/8
40.285	3/8	1/2
40.290	1/2	1/4
40.295	1/2	3/8
40.300	1/2	1/2

Product No	Tubing O.D. mm	Thread (M) NPT
40.024	6	1/8
40.025	6	1/4
40.026	6	3/8
40.028	10	1/8
40.029	10	1/4
40.030	10	3/8
40.031	10	1/2
40.033	12	1/4
40.034	12	3/8
40.035	12	1/2

LONG SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
40.781	5/32	10-32◇
40.782	5/32	1/8
40.785	1/4	1/8
40.786	1/4	1/4
40.788	5/16	1/8
40.789	5/16	1/4
40.790	5/16	3/8
40.792	3/8	1/4
40.793	3/8	3/8
40.797	1/2	3/8
40.798	1/2	1/2

10-32 ◇: (M) UNF

ROTARY JOINT



Product No	Tubing O.D. in	Thread (M) NPT	Max RPM
40.600	1/4	1/8	500
40.601	1/4	1/4	500
40.602	5/16	1/8	400
40.603	5/16	1/4	400
40.604	3/8	3/8	300
40.605	3/8	1/2	300
40.606	1/2	3/8	250
40.607	1/2	1/2	250

*With build-in ball bearing

BANJO



Product No	Tubing O.D. in	Thread (M) NPT
40.950	5/32	10-32◇
40.951	5/32	1/8
40.952	1/4	10-32◇
40.953	1/4	1/8
40.949	1/4	1/4
40.954	5/16	1/8
40.955	5/16	1/4
40.957	3/8	1/4
40.958	3/8	3/8
40.959	1/2	3/8
40.960	1/2	1/2

10-32 ◇: (M) UNF

Product No	Tubing O.D. mm	Thread (M) NPT
40.962	6	1/8
40.963	6	1/4
40.965	10	1/4
40.966	10	3/8

Specially designed to facilitate the connection of a tubing with a male threaded connection with a 90° angle

Ideal when there are multiple fittings in a confined space



LINK-UP BANJO



Product No	Tubing O.D. mm	Thread (M) NPT
40.703	8	1/8
40.706	12	3/8

MALE BRANCH TEE

SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
40.335	1/8	1/8
40.343	5/32	10-32◇
40.345	5/32	1/8
40.350	5/32	1/4
40.360	1/4	1/8
40.365	1/4	1/4
40.370	1/4	3/8
40.375	5/16	1/8
40.380	5/16	1/4
40.385	5/16	3/8
40.390	3/8	1/4
40.395	3/8	3/8
40.400	3/8	1/2
40.405	1/2	1/4
40.410	1/2	3/8
40.415	1/2	1/2

10-32 ◇: (M) UNF

Product No	Tubing O.D. mm	Thread (M) NPT
40.327	6	1/8
40.329	6	1/4
40.330	6	3/8
40.332	10	1/4
40.333	10	3/8
40.334	10	1/2
40.339	12	3/8
40.340	12	1/2

SWIVEL RUN TEE



Product No	Tubing O.D. in	Thread (M) NPT
40.455	1/8	1/8
40.464	5/32	10-32◇
40.465	5/32	1/8
40.467	5/32	1/4
40.475	1/4	1/8
40.480	1/4	1/4
40.485	1/4	3/8
40.490	5/16	1/8
40.495	5/16	1/4
40.500	5/16	3/8
40.505	3/8	1/4
40.510	3/8	3/8
40.515	3/8	1/2
40.520	1/2	1/4
40.525	1/2	3/8
40.530	1/2	1/2

10-32 ◇: (M) UNF

Product No	Tubing O.D. mm	Thread (M) NPT
40.447	6	1/8
40.448	6	1/4
40.449	6	3/8
40.451	10	1/4
40.452	10	3/8

STEM ADAPTER

IN - IN



Product No	Stem O.D. in	Tubing O.D. in
40.580	1/4	5/32
40.581	5/16	5/32
40.582	5/16	1/4
40.583	3/8	1/4
40.584	3/8	5/16
40.585	1/2	1/4
40.586	1/2	5/16
40.587	1/2	3/8

MM - IN

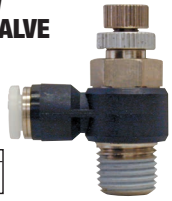


Product No	Stem O.D. mm	Tubing O.D. in
42.820	8	1/4
42.822	10	1/4
42.823	10	5/16
42.825	12	1/4
42.826	12	5/16
42.827	12	3/8

TOPFIT® | POLYMER | IN | NPT THREAD

SPEED CONTROLLER

WITH FLOW CONTROL VALVE THREADED ELBOW



Meter-out Product No	Meter-in Product No	Tubing O.D. in	Thread (M) NPT
40.898	40.899	5/32	10-32 ◇
40.900	40.901	5/32	1/8
40.902	40.903	1/4	10-32 ◇
40.904	40.905	1/4	1/8
40.906	40.907	1/4	1/4
40.908	40.909	5/16	1/8
40.910	40.911	5/16	1/4
40.912	40.913	5/16	3/8
40.916	40.917	3/8	1/4
40.918	40.919	3/8	3/8
40.922	40.923	1/2	3/8
40.924	40.925	1/2	1/2

10-32 ◇: (M) UNF

WITH FLOW CONTROL VALVE STRAIGHT UNION



Meter-out Product No	Tubing O.D. in
40.890	5/32
40.891	1/4
40.892	5/16
40.893	3/8
40.894	1/2

WITHOUT FLOW CONTROL VALVE THREADED ELBOW



Product No	Tubing O.D. in	Thread (M) NPT
40.870	1/4	10-32◇
40.871	1/4	1/8
40.872	1/4	1/4
40.874	5/16	1/8
40.875	5/16	1/4
40.876	5/16	3/8
40.878	3/8	1/4
40.879	3/8	3/8
40.880	3/8	1/2
40.882	1/2	3/8
40.883	1/2	1/2

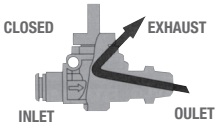
10-32 ◇: (M) UNF

MINIATURE HAND VALVE

STRAIGHT UNION



2-Way Product No	3-Way Product No	Tubing O.D. in
40.060	40.070	1/4
40.062	40.072	5/16
40.063	40.073	3/8
40.065	40.075	1/2



STRAIGHT THREADED



2-Way Product No	3-Way Product No	Tubing O.D. in	Thread (M) NPT
40.080	40.090	1/4	1/4
40.082	40.092	5/16	1/4
40.083	40.093	3/8	1/4
40.084	40.094	3/8	3/8
40.087	40.097	1/2	3/8

The 2-Way miniature hand valve does not discharge the residual pressure

The 3-Way miniature hand valve, when closed, discharges residual pressure

MINIATURE BALL VALVE

STRAIGHT UNION



Product No	Tubing ① O.D. in	Tubing ② O.D. in
40.930	1/4	1/4
40.931	5/16	5/16
40.933	3/8	3/8
40.934	1/2	1/2

STRAIGHT THREADED



Product No	Tubing ① O.D. in	Thread ② (M) NPT
40.940	1/4	1/8
40.941	1/4	1/4
40.942	1/4	3/8
40.943	5/16	1/8
40.944	5/16	1/4
40.945	3/8	1/4
40.946	3/8	3/8
40.947	3/8	1/2

3 WAYS



Product No	Tubing O.D. in
40.990	1/4
40.992	3/8

DISTRIBUTOR

DOUBLE TRIPLE UNION



Product No	Tubing ① O.D. in	Tubing ② O.D. in
40.972	3/8	1/4

TRIPLE UNION



Product No	Tubing ① O.D. in	Tubing ② O.D. in
40.976	3/8	1/4

CHECK VALVE

STRAIGHT THREADED



Product No	Tubing O.D. in	Thread (M) NPT
40.980	5/32	1/8
40.981	1/4	1/8
40.982	1/4	1/4

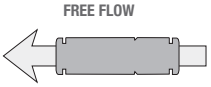
UNION



Product No	Tubing O.D. in
40.985	5/32
40.986*	1/4

* Nickel plated brass

The check valve allows free flow from the inlet and blocks flow in the reverse direction



TOPFIT®
PUSH-TO-CONNECT FITTINGS WITH MINIATURE PRESSURE GAUGE

These miniature pressure gauges built into a push-to-connect fitting, are ideal for lightweight pneumatic systems where reading the current pressure is required.

Reduced in volume and weight compared to classic gauges, they are perfect for robotic installations where every cubic space and minimum of weigth are necessary.



Specifications

Maximum working pressure: 150 PSI
Pressure Range: 0-116 psi
Working temperature: 0 to 60 °C

Materials

Body: Nickel-Plated Brass
Polymer: 40.822-40.824 / 40.839-40.841
Gauge Cover: Acrylic

TOPFIT® | IN | MM | NPT / BSPT THREAD

MALE CONNECTOR

STRAIGHT



Product No	Thread (M) NPT
40.815	10-32◇
40.816	1/8
40.817	1/4

10-32 ◇: (M) UNF

Product No	Thread (M) BSPT
42.834	M5*
42.835	1/8
42.836	1/4

*Metric thread

UNION

STRAIGHT



Product No	Tubing O.D. in
40.822	5/32
40.823	1/4
40.824	5/16

Product No	Tubing O.D. mm
42.839	4
42.840	6
42.841	8

BULKHEAD



Product No	Tubing O.D. in
40.828	5/32
40.829	1/4
40.830	5/16

Product No	Tubing O.D. mm
42.850	4
42.851	6
42.852	8

ROD FITTING

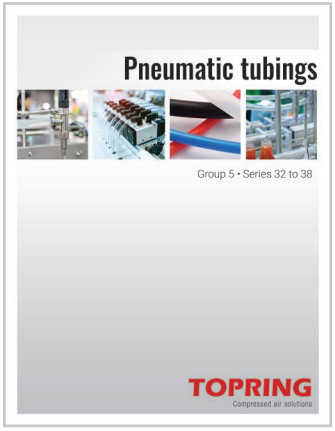


Product No	Tubing O.D. in
40.834	5/32
40.835	1/4
40.836	5/16

Product No	Tubing O.D. mm
42.855	4
42.856	6
42.857	8

Consult series 32 to 39 to see the complete pneumatic tubing offer from TOPRING

- Selection guide and criterias to choose the right tubing for the application
- Large choice of pneumatic tubing and hoses



TOPFIT® | POLYMER | IN | MM | BSPT THREAD

MALE ELBOW

SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPT
42.594	4	M3*
42.595	4	M5*
42.600	4	1/8
42.603	4	1/4
42.613	6	M5*
42.614	6	M6*
42.615	6	1/8
42.620	6	1/4
42.623	6	3/8
42.625	8	1/8
42.630	8	1/4
42.632	8	3/8
42.633	10	1/8
42.635	10	1/4
42.636	10	3/8
42.634	10	1/2
42.637	12	1/4
42.638	12	3/8
42.639	12	1/2

* Metric thread

Product No	Tubing O.D. in	Thread (M) BSPT
42.025	1/4	1/8
42.026	1/4	1/4
42.027	1/4	3/8
42.029	3/8	1/8
42.030	3/8	1/4
42.031	3/8	3/8
42.032	3/8	1/2
42.034	1/2	1/4
42.035	1/2	3/8
42.036	1/2	1/2

LONG SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPT
42.781	4	M5*
42.782	4	1/8
42.785	6	1/8
42.786	6	1/4
42.788	8	1/8
42.789	8	1/4
42.790	8	3/8
42.792	10	1/4
42.793	10	3/8
42.797	12	3/8
42.798	12	1/2

* Metric thread

BANJO



Product No	Tubing O.D. mm	Thread (M) BSPT
42.948	4	M5*
42.950	4	1/8
42.953	6	1/8
42.954	6	1/4
42.956	8	1/8
42.957	8	1/4
42.960	10	1/4
42.961	10	3/8
42.963	12	3/8
42.964	12	1/2

* Filetage métrique

Product No	Tubing O.D. in	Thread (M) BSPT
42.968	1/4	1/8
42.969	1/4	1/4
42.971	3/8	1/4
42.972	3/8	3/8
42.975	1/2	3/8
42.976	1/2	1/2

Specially designed to facilitate the connection of a tubing with a male threaded connection with a 90° angle

Ideal when there are multiple fittings in a confined space



BANJO PRISE HEXAGONALE CREUSE



Product No	Tubing O.D. mm	Thread (M) BSPT
42.700	4	M5*

"Y" BANJO



Product No	Tubing O.D. mm	Thread (M) BSPT
42.815	6	1/8

DOUBLE BANJO



Product No	Tubing O.D. mm	Thread (M) BSPT
42.780	6	1/8

ON TRIPOD



Product No	Tubing O.D. mm	Thread (M) BSPT
42.845	10	3/8

SWIVEL 45°



Product No	Tubing O.D. mm	Thread (M) BSPT
42.690	4	1/8

SOCKET ELBOW

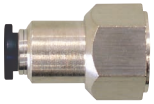
MM - MM



Product No	Tubing O.D. mm	Stem O.D. mm
42.458	6	6
42.461	8	8
42.462	10	8
42.463	10	10

FEMALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. mm	Thread (F) BSPT
42.203	4	1/8
42.205	6	1/8
42.210	6	1/4
42.215	8	1/8
42.212	8	1/4
42.213	8	3/8
42.216	10	1/4

Product No	Tubing O.D. in	Thread (F) BSPT
42.190	1/4	1/8
42.191	1/4	1/4
42.192	1/4	3/8
42.194	3/8	1/4
42.195	3/8	3/8
42.197	1/2	1/4
42.198	1/2	3/8
42.199	1/2	1/2

PLUG



Product No	O.D. mm
42.430	4
42.435	6
42.440	8
42.445	10
42.450	12

STEM REDUCER

MM - MM



Product No	Stem O.D. mm	Tubing O.D. mm
42.586	6	4
42.588	8	6
42.470	10	6
42.472	12	6
42.590	10	8
42.592	12	10

IN - MM



Product No	Stem O.D. mm	Tubing O.D. in
42.820	8	1/4
42.822	10	1/4
42.823	10	5/16
42.825	12	1/4
42.826	12	5/16
42.827	12	3/8

REDUCER

STRAIGHT UNION



Product No	Tubing O.D. mm	Tubing O.D. mm
42.233	6	4
42.238	8	6
42.243	10	8
42.248	12	10

TOPFIT® | POLYMER | IN | MM | BSPT THREAD

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. mm	Thread (M) BSPT
42.099	4	M3*
42.100	4	M5*
42.105	4	1/8
42.110	4	1/4
42.115	6	M5*
42.116	6	M6*
42.130	6	1/8
42.135	6	1/4
42.136	6	3/8
42.140	8	1/8
42.145	8	1/4
42.150	8	3/8
42.153	10	1/8
42.155	10	1/4
42.160	10	3/8
42.161	10	1/2
42.163	12	1/4
42.165	12	3/8
42.170	12	1/2

* Metric thread

Product No	Tubing D.E. in	Thread (M) BSPT
42.002	1/4	1/8
42.003	1/4	1/4
42.004	1/4	3/8
42.006	3/8	1/8
42.007	3/8	1/4
42.008	3/8	3/8
42.009	3/8	1/2
42.011	1/2	1/4
42.012	1/2	3/8
42.013	1/2	1/2

HEXAGONAL HOLE



Product No	Tubing O.D. mm	Thread (M) BSPT
42.039	4	M5*
42.041	4	1/8
42.038	6	M5*
42.042	6	1/8
42.043	6	1/4
42.044	8	1/8
42.045	8	1/4
42.046	8	3/8
42.047	10	1/4
42.048	10	3/8
42.049	12	3/8
42.050	12	1/2

* Metric thread

Product No	Tubing D.E. in	Thread (M) BSPT
42.016	1/4	1/8
42.017	1/4	1/4
42.019	3/8	1/4
42.020	3/8	3/8
42.021	3/8	1/2

Allen key type mounting
For side by side installation



"Y"



Product No	Tubing O.D. mm	Thread (M) BSPT
42.708	4	M5*
42.710	4	1/8
42.720	6	1/8
42.725	6	1/4
42.735	8	1/8
42.740	8	1/4
42.745	8	3/8
42.754	10	1/4
42.755	10	3/8
42.760	12	3/8
42.761	12	1/2

* Metric thread

Product No	Tubing D.E. in	Thread (M) BSPT
42.766	1/4	1/8
42.767	1/4	1/4
42.768	1/4	3/8
42.770	3/8	1/8
42.771	3/8	1/4
42.772	3/8	3/8
42.773	3/8	1/2
42.775	1/2	1/4
42.776	1/2	3/8
42.777	1/2	1/2

MALE BRANCH TEE

SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPT
42.640	4	M5*
42.645	4	1/8
42.646	4	1/4
42.660	6	1/8
42.662	6	1/4
42.665	6	3/8
42.670	8	1/8
42.675	8	1/4
42.676	8	3/8
42.680	10	1/4
42.681	10	3/8
42.683	12	1/4
42.684	12	3/8
42.685	12	1/2

* Metric thread

Product No	Tubing D.E. in	Thread (M) BSPT
42.324	1/4	1/8
42.325	1/4	1/4
42.326	1/4	3/8
42.328	3/8	1/8
42.329	3/8	1/4
42.330	3/8	3/8
42.331	3/8	1/2
42.333	1/2	1/4
42.334	1/2	3/8
42.335	1/2	1/2

SWIVEL RUN TEE



Product No	Tubing O.D. mm	Thread (M) BSPT
42.475	4	M5*
42.477	4	1/8
42.481	6	1/8
42.482	6	1/4
42.485	8	1/8
42.486	8	1/4
42.487	8	3/8
42.490	10	1/4
42.491	10	3/8
42.495	12	3/8
42.496	12	1/2

* Metric thread

Product No	Tubing D.E. in	Thread (M) BSPT
42.500	1/4	1/8
42.501	1/4	1/4
42.502	1/4	3/8
42.504	3/8	1/8
42.505	3/8	1/4
42.506	3/8	3/8
42.507	3/8	1/2
42.509	1/2	1/4
42.510	1/2	3/8
42.511	1/2	1/2

UNION

STRAIGHT



Product No	Tubing O.D. mm
42.230	4
42.235	6
42.240	8
42.245	10
42.250	12

ELBOW



Product No	Tubing O.D. mm
42.260	4
42.270	6
42.275	8
42.280	10
42.285	12

TEE



Product No	Tubing O.D. mm
42.295	4
42.305	6
42.310	8
42.315	10
42.320	12

BULKHEAD



Product No	Tubing O.D. mm
42.560	4
42.570	6
42.575	8
42.580	10
42.585	12

"Y"



Product No	Tubing ① O.D. mm	Tubing ② O.D. mm
42.540	4	4
42.543	4	6
42.545	6	6
42.548	6	8
42.550	8	8
42.551	8	10
42.552	10	10
42.553	10	12
42.554	12	12

"Y" ON STEM MM - MM



Product No	Tubing O.D. mm	Tubing O.D. mm
42.830	8	8

TOPFIT® | POLYMER | IN | MM | BSPT THREAD

SPEED CONTROLLER

WITH FLOW CONTROL VALVE
THREADED ELBOW



Meter-out Product No	Meter-in Product No	Tubing O.D. mm	Thread (M) BSPT
42.902	42.903	4	M5*
42.904	42.905	4	1/8
42.908	42.909	6	M5*
42.910	42.911	6	1/8
42.912	42.913	6	1/4
42.916	42.917	8	1/8
42.918	42.919	8	1/4
42.920	42.921	8	3/8
42.922	42.923	8	1/2
42.924	42.925	10	1/4
42.926	42.927	10	3/8
42.930	42.931	12	3/8
42.932	42.933	12	1/2

* Metric thread

WITH FLOW CONTROL VALVE
STRAIGHT UNION



Meter-out Product No	Tubing O.D. mm
42.890	4
42.891	6
42.892	8
42.893	10
42.894	12

WITHOUT FLOW CONTROL VALVE
THREADED ELBOW



Product No	Tubing O.D. mm	Thread (M) BSPT
42.870	4	M5*
42.873	6	1/8
42.874	6	1/4
42.876	8	1/8
42.877	8	1/4
42.878	8	3/8
42.880	10	1/4
42.881	10	3/8
42.883	12	3/8
42.884	12	1/2

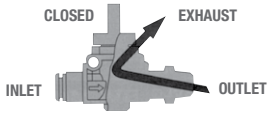
* Metric thread

MINIATURE HAND VALVE

STRAIGHT UNION



2-Way Product No	3-Way Product No	Tubing O.D. mm
42.070	42.060	4
42.071	42.061	6
42.073	42.063	8
42.074	42.064	10



The 2-Way miniature hand valve does not discharge the residual pressure

The 3-Way miniature hand valve, when closed, discharge residual pressure

CABINET OFFERS WITH A SELECTION OF OUR MOST POPULAR PUSH-TO-CONNECT FITTINGS

Each offer includes:

- Selection of our most popular polymer push-to-connect fittings for each Series
- Cabinet of 20 drawers or 60 drawers
- Stickers with product code, product description and picture



Product No	Description	Series	Tubing diameter and thread	Cabinet
TOPFIT Cabinets				
95.017.02	840 products / 64 SKUs	40	in / NPT	60 drawers
95.017A.02	1055 products / 64 SKUs	40	in / NPT	60 drawers
MAXFIT Cabinets				
95.017	842 products / 64 SKUs	44	in / NPT	60 drawers
95.017A	1056 products / 64 SKUs	44	in / NPT	60 drawers
95.012	320 products / 32 SKUs	46	mm / BSPT	20 drawers

Cabinet dimensions (in)
20 drawers : L 23 x H 14 x D 8.75
60 drawers : L 23 x H 37 x D 8.75

TOPFIT®
PUSH-TO-CONNECT FITTINGS

316 STAINLESS STEEL

For compressed air, vacuum, food processing, chemical products, medical, manufacturing of semiconductors.

Quick Connect
One-piece fitting saves over 75% of assembly time compared to standard compression fittings

Instantaneous connection/disconnection
Designed for fast assembly and disassembly without tools

Full-flow design
Provides up to 60% more flow than compression fittings

Fully reusable
Designed to resist multiple connections and disconnections with leak-free operations and solid tube gripping

Positive seal
Proper insertion of the tubing in the fitting creates seal

Self-contained assembly
No loose parts or inserts

Materials

Push-to-connect fittings made from components and materials that meet the FDA requirements (Food and Drug Administration)

Body and Ring: 316 Stainless Steel

Lock Claws: 316 Stainless Steel

O-Ring: FKM (fluoroelastomer)

Specifications

Working Pressure:
Fitting suitable for use up to maximum working pressure of plastic tubing used

Maximum Working Pressure: 217 PSI

Suitable for vacuum service: to 28" Hg

Working Temperature: -15 to 120 °C

TOPFIT® STAINLESS STEEL 316 | IN NPT THREAD

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. in	Thread (M) NPT
43.000	5/32	1/8
43.003	1/4	1/8
43.006	1/4	1/4
43.009	5/16	1/8
43.012	5/16	1/4
43.015	5/16	3/8
43.018	3/8	1/4
43.021	3/8	3/8
43.024	1/2	1/4
43.027	1/2	3/8
43.030	1/2	1/2

MALE ELBOW

SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
43.040	5/32	1/8
43.043	1/4	1/8
43.046	1/4	1/4
43.049	5/16	1/8
43.052	5/16	1/4
43.055	5/16	3/8
43.058	3/8	1/8
43.061	3/8	1/4
43.064	3/8	3/8
43.067	1/2	1/4
43.070	1/2	3/8
43.073	1/2	1/2

STEM REDUCER

IN - IN



Product No	Stem O.D. in	Tubing O.D. in
43.233	3/8	1/4

UNION

STRAIGHT



Product No	Tubing O.D. in
43.200	5/32
43.203	1/4
43.206	5/16
43.209	3/8
43.212	1/2

ELBOW



Product No	Tubing O.D. in
43.280	5/32
43.283	1/4
43.286	5/16
43.289	3/8
43.292	1/2

TEE



Product No	Tubing O.D. in
43.332	5/32
43.320	1/4
43.329	5/16
43.323	3/8
43.326	1/2

BULKHEAD



Product No	Tubing O.D. in
43.250	1/4
43.253	5/16
43.256	3/8
43.259	1/2

MALE BRANCH TEE

SWIVEL TEE



Product No	Tubing O.D. in	Thread (M) NPT
43.150	5/32	1/8
43.153	1/4	1/8
43.156	1/4	1/4
43.159	5/16	1/8
43.162	5/16	1/4
43.165	5/16	3/8
43.168	3/8	1/4
43.171	3/8	3/8
43.174	1/2	1/4
43.177	1/2	3/8
43.180	1/2	1/2

SWIVEL RUN TEE



Product No	Tubing O.D. in	Thread (M) NPT
43.090	5/32	1/8
43.093	1/4	1/8
43.096	1/4	1/4
43.099	5/16	1/8
43.102	5/16	1/4
43.105	5/16	3/8
43.111	3/8	1/4
43.114	3/8	3/8
43.117	1/2	1/4
43.120	1/2	3/8
43.123	1/2	1/2

TOPFIT® STAINLESS STEEL 316 | MM BSPT THREAD

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. mm	Thread (M) BSPT
43.500	4	M5*
43.503	4	1/8
43.506	6	M5*
43.509	6	1/8
43.512	6	1/4
43.515	8	1/8
43.518	8	1/4
43.521	10	1/4
43.524	10	3/8
43.527	12	3/8
43.530	12	1/2
43.533	16	1/2

*Metric thread

HEXAGONAL HOLE



Product No	Tubing O.D. mm	Thread (M) BSPT
43.880	4	M5*
43.883	4	1/8
43.886	6	M5*
43.889	6	1/8
43.892	6	1/4
43.895	8	1/8
43.898	8	1/4
43.901	10	1/4
43.904	10	3/8
43.907	12	3/8
43.910	12	1/2
43.913	16	1/2

*Metric thread

Allen key type mounting
For side by side installation

MALE ELBOW

SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPT
43.540	4	M5*
43.543	4	1/8
43.546	6	M5*
43.549	6	1/8
43.552	6	1/4
43.555	8	1/8
43.558	8	1/4
43.561	10	1/4
43.564	10	3/8
43.567	12	3/8
43.570	12	1/2
43.573	16	1/2

*Metric thread

MALE BRANCH

SWIVEL TEE



Product No	Tubing O.D. mm	Thread (M) BSPT
43.590	4	1/8
43.593	6	M5*
43.596	6	1/8
43.599	6	1/4
43.602	8	1/8
43.605	8	1/4
43.608	10	1/4
43.611	10	3/8
43.614	12	3/8
43.617	12	1/2
43.620	16	1/2

*Metric thread

UNION

STRAIGHT



Product No	Tubing O.D. mm
43.700	4
43.703	6
43.706	8
43.709	10
43.712	12
43.715	16

ELBOW



Product No	Tubing O.D. mm
43.780	4
43.783	6
43.786	8
43.789	10
43.792	12
43.795	16

TEE



Product No	Tubing O.D. mm
43.820	4
43.823	6
43.826	8
43.829	10
43.832	12
43.835	16

BULKHEAD



Product No	Tubing O.D. mm
43.745	4
43.747	6
43.748	8
43.749	10
43.751	12
43.753	16

"Y"



Product No	Tubing O.D. mm
43.850	4
43.853	6
43.856	8
43.859	10
43.862	12
43.865	16

REDUCER

UNION



Product No	Tubing ① O.D. mm	Tubing ② O.D. mm
43.730	6	4
43.733	8	6
43.736	10	8
43.739	12	10
43.742	16	12

STEM REDUCER

MM - MM



Product No	Stem O.D. mm	Tubing O.D. mm
43.720	6	4
43.723	8	6
43.726	10	8

MAXFIT®
PUSH-TO-CONNECT FITTINGS
POLYMER

Features and benefits

Quick connect design
One-piece fitting saves over 75% of assembly time compared to standard compression fittings

Compact design
Allows fittings to be closely mounted

Optimum flow
No part of the fitting goes inside the tubing - unrestricted tubing I.D. allows for maximum airflow

Quick and easy connection
Wide release collar allows fast and trouble-free tubing removal

Instantaneous connection / disconnection
Designed for fast assembly, disassembly and reassembly without tools

Fully reusable
Designed for multiple connections and disconnections with leak-free operations and solid tubing gripping

Tubing size identification
Tubing diameter indicated on release collar

Corrosion resistant threaded fittings
All threaded fittings are made of nickel-plated brass

Applications
Compressed air and vacuum

Materials
Body: Polymer (PBT)

Release Collar: Polyacetal resin

Threaded Body: Nickel-plated brass

Lock Claws: Stainless steel

O-Ring: Nitrile rubber

Needle: Nickel-plated brass

Lock Nut: Aluminum

Elastic Sleeve: Nitrile rubber

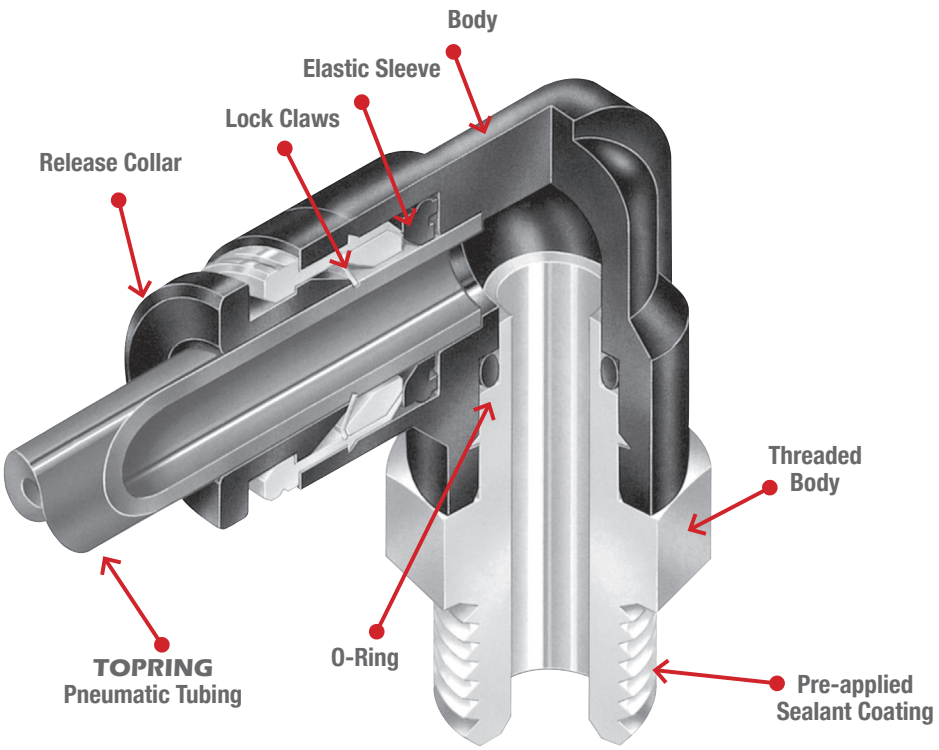
Adjusting Screw: Nickel-plated brass

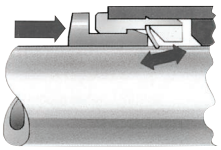
Specifications
Maximum Working Pressure: 150 PSI

Working Temperature: 0 to 60 °C

NPT Thread / series 44:
Tubing diameter in inches (imperial)

BSPT Thread / series 46:
Tubing diameter in millimeters (metric)

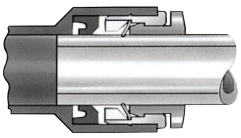




POSITIVE GRIPPING ACTION

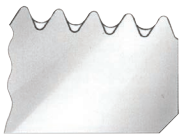
Stainless steel lock claws hold the tubing securely without damaging its surface

Vibration and pressure surges are safely absorbed to prevent accidental disconnections



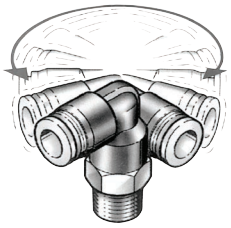
PERFECT SEAL

A nitrile rubber elastic sleeve guarantees a perfect seal between standard O.D. tubing and the body of the fitting



READY-TO-USE THREADS

Male threads have a pre-applied sealant which allows the fitting to be reused up to five times without the need for additional sealants



SWIVEL

Swivel elbows and tees can be oriented after installation for a perfect alignment with the tubing

MAXFIT® | POLYMER | IN

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. in	Thread (M) NPT
44.101	1/8	10-32 ◇
44.105	1/8	1/8
44.115	5/32	10-32 ◇
44.120	5/32	1/8
44.125	5/32	1/4
44.128	1/4	10-32 ◇
44.130	1/4	1/8
44.135	1/4	1/4
44.140	1/4	3/8
44.145	5/16	1/8
44.150	5/16	1/4
44.155	5/16	3/8
44.159	3/8	1/8
44.160	3/8	1/4
44.165	3/8	3/8
44.170	3/8	1/2
44.175	1/2	1/4
44.180	1/2	3/8
44.185	1/2	1/2

10-32 ◇: (M) UNF

HEXAGONAL HOLE



Product No	Tubing O.D. in	Thread (M) NPT
44.047	5/32	1/8
44.048	1/4	1/8
44.049	1/4	1/4
44.053	5/16	1/8
44.054	5/16	1/4
44.057	3/8	1/4
44.059	3/8	3/8

Allen key type mounting
For side by side installation

"Y"



Product No	Tubing O.D. in	Thread (M) NPT
44.720	1/4	1/8
44.725	1/4	1/4
44.730	1/4	3/8
44.750	3/8	1/4
44.755	3/8	3/8
44.760	3/8	1/2
44.775	1/2	1/2

FEMALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. in	Thread (F) NPT
44.801	1/8	1/8
44.802	5/32	1/8
44.804	1/4	1/8
44.805	1/4	1/4
44.807	5/16	1/4
44.809	3/8	1/4
44.810	3/8	3/8
44.811	1/2	1/4
44.812	1/2	3/8

BULKHEAD



Product No	Tubing O.D. in	Thread (F) NPT
44.633	1/4	1/8
44.635	1/4	1/4
44.637	5/16	3/8
44.638	5/16	1/4
44.639	3/8	1/4
44.640	3/8	3/8
44.641	1/2	3/8
44.642	1/2	1/2

UNION

STRAIGHT



Product No	Tubing O.D. in
44.190	1/8
44.195	5/32
44.200	1/4
44.205	5/16
44.210	3/8
44.215	1/2

ELBOW



Product No	Tubing O.D. in
44.304	1/8
44.305	5/32
44.310	1/4
44.315	5/16
44.320	3/8
44.325	1/2

TEE



Product No	Tubing O.D. in
44.420	1/8
44.425	5/32
44.430	1/4
44.435	5/16
44.440	3/8
44.445	1/2

"Y"



Product No	Tubing ① O.D. in	Tubing ② O.D. in
44.535	1/8	1/8
44.540	5/32	5/32
44.545	1/4	1/4
44.550	5/16	5/16
44.552	3/8	3/8
44.553	1/2	3/8
44.554	1/2	1/2

BULKHEAD



Product No	Tubing O.D. in
44.650	5/32
44.655	1/4
44.660	5/16
44.665	3/8
44.670	1/2

MALE ELBOW

SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
44.218	1/8	10-32 ◇
44.225	1/8	1/8
44.235	5/32	10-32 ◇
44.240	5/32	1/8
44.245	5/32	1/4
44.248	1/4	10-32 ◇
44.250	1/4	1/8
44.255	1/4	1/4
44.260	1/4	3/8
44.265	5/16	1/8
44.270	5/16	1/4
44.271	5/16	3/8
44.273	3/8	1/8
44.275	3/8	1/4
44.280	3/8	3/8
44.285	3/8	1/2
44.290	1/2	1/4
44.295	1/2	3/8
44.300	1/2	1/2

10-32 ◇: (M) UNF

BANJO



Product No	Tubing O.D. in	Thread (M) NPT
44.825	1/4	1/8
44.826	1/4	1/4
44.828	5/16	1/4
44.829	3/8	1/4

Specially designed to facilitate the connection of a tubing with a male threaded connection with a 90° angle

Ideal when there are multiple fittings in a confined space



REDUCER

STRAIGHT UNION



Product No	Tubing ① O.D. in	Tubing ② O.D. in
44.198	5/32	1/4
44.204	3/8	1/4
44.203	1/4	5/16
44.208	5/16	3/8
44.213	3/8	1/2

TEE



Product No	Tubing ① O.D. in	Tubing ② O.D. in
44.576	5/16	1/4
44.577	3/8	1/4
44.579	1/2	3/8

STEM IN - IN



Product No	Stem ① O.D. in	Tubing ② O.D. in
44.580	1/4	5/32
44.582	5/16	1/4
44.583	3/8	1/4
44.584	3/8	5/16
44.585	1/4	1/2
44.587	1/2	3/8

MAXFIT® | POLYMER | IN | NPT

MALE BRANCH TEE

SWIVEL



Product No	Tubing O.D. in	Thread (M) NPT
44.340	1/8	1/8
44.343	5/32	10-32 ◇
44.345	5/32	1/8
44.350	5/32	1/4
44.360	1/4	1/8
44.365	1/4	1/4
44.370	1/4	3/8
44.375	5/16	1/8
44.380	5/16	1/4
44.385	5/16	3/8
44.390	3/8	1/4
44.395	3/8	3/8
44.400	3/8	1/2
44.405	1/2	1/4
44.410	1/2	3/8
44.415	1/2	1/2

10-32 ◇ : (M) UNF

SWIVEL RUN TEE



Product No	Tubing O.D. in	Thread (M) NPT
44.475	1/4	1/8
44.480	1/4	1/4
44.485	1/4	3/8
44.490	5/16	1/8
44.495	5/16	1/4
44.505	3/8	1/4
44.510	3/8	3/8

SPEED CONTROLLER

WITH FLOW CONTROL VALVE THREADED ELBOW



Meter-out Product No	Meter-in Product No	Tubing O.D. in	Thread (M) NPT
44.898	--	5/32	10-32 ◇
44.900	44.901	5/32	1/8
44.902	44.903	1/4	10-32 ◇
44.904	44.905	1/4	1/8
44.962*	--	1/4	1/8
44.908	44.909	1/4	1/4
44.964*	--	1/4	1/4
44.916	44.917	5/16	1/4
44.918	44.919	5/16	3/8
44.910	44.911	3/8	1/4
44.974*	--	3/8	1/4
44.912	44.913	3/8	3/8
44.975*	--	3/8	3/8
44.924	--	1/2	1/2

10-32 ◇: (M) UNF
* Precise adjustment with screwdriver

WITH FLOW CONTROL VALVE STRAIGHT UNION



Meter-out Product No	Tubing O.D. in
44.950	5/32
44.952	1/4
44.954	5/16
44.956	3/8
44.958	1/2

WITHOUT FLOW CONTROL VALVE THREADED ELBOW



Product No	Tubing O.D. in	Thread (M) NPT
44.870	1/4	10-32 ◇
44.871	1/4	1/8
44.872	1/4	1/4
44.874	5/16	1/8
44.875	5/16	1/4
44.878	3/8	1/4
44.879	3/8	3/8
44.880	3/8	1/2
44.883	1/2	1/2

10-32 ◇ : (M) UNF

MINIATURE BALL VALVE

STRAIGHT UNION



Product No	Tubing O.D. in	Tubing O.D. in
44.930	1/4	1/4
44.931	5/16	5/16

STRAIGHT THREADED



Product No	Tubing ① O.D. in	Thread ② (M) NPT
44.941	1/4	1/4

DISTRIBUTOR

TRIPLE UNION



Product No	Tubing ① O.D. in	Tubing ② O.D. in
44.976	1/4	3/8

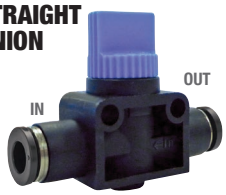
PLUG



Product No	O.D. in
44.675	1/8
44.680	5/32
44.685	1/4
44.690	5/16
44.695	3/8
44.700	1/2

MINIATURE HAND VALVE

STRAIGHT UNION



3-Way Product No	Tubing O.D. in
44.070	1/4
44.073	3/8
44.075	1/2

The 3-Way miniature hand valve, when closed, discharges residual pressure

CHECK VALVE

STRAIGHT THREADED



Product No	Tubing O.D. in	Thread (M) NPT
44.981	1/4	1/8

* Nickel plated brass

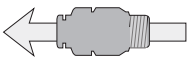
The check valve allows free flow from the inlet and blocks flow in the reverse direction

UNION



Product No	Tubing O.D. in
44.985*	5/32
44.986*	1/4

FREE FLOW



MAXFIT® | POLYMER | MM | BSPT

MALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. mm	Thread (M) BSPT
46.100	4	M5*
46.105	4	1/8
46.110	4	1/4
46.115	6	M5*
46.116	6	M6*
46.130	6	1/8
46.135	6	1/4
46.136	6	3/8
46.140	8	1/8
46.145	8	1/4
46.150	8	3/8
46.151	8	1/2
46.155	10	1/4
46.160	10	3/8
46.161	10	1/2
46.163	12	1/4
46.165	12	3/8
46.170	12	1/2

*Metric thread

HEXAGONAL HOLE



Product No	Tubing O.D. mm	Thread (M) BSPT
46.039	4	M5*
46.041	4	1/8
46.040	4	1/4
46.038	6	M5*
46.042	6	1/8
46.043	6	1/4
46.044	8	1/8
46.045	8	1/4
46.046	8	3/8
46.047	10	1/4
46.048	10	3/8

*Metric thread
Allen key type mounting
For side by side installation

"Y"



Product No	Tubing O.D. mm	Thread (M) BSPT
46.710	4	1/8
46.715	4	1/4
46.720	6	1/8
46.725	6	1/4
46.740	8	1/4
46.745	8	3/8
46.750	8	1/2

MALE ELBOW

SWIVEL



Product No	Tubing O.D. mm	Thread (M) BSPT
46.595	4	M5*
46.596	4	M5**
46.600	4	1/8
46.603	4	1/4
46.613	6	M5*
46.614	6	M6*
46.615	6	1/8
46.620	6	1/4
46.623	6	3/8
46.625	8	1/8
46.630	8	1/4
46.632	8	3/8
46.631	8	1/2
46.633	10	1/8
46.635	10	1/4
46.636	10	3/8
46.634	10	1/2
46.637	12	1/4
46.638	12	3/8
46.639	12	1/2

*Metric thread
**Mini Metric thread

MALE BRANCH

SWIVEL TEE

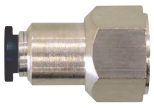


Product No	Tubing O.D. mm	Thread (M) BSPT
46.640	4	M5*
46.645	4	1/8
46.646	4	1/4
46.660	6	1/8
46.662	6	1/4
46.665	6	3/8
46.670	8	1/8
46.675	8	1/4
46.676	8	3/8
46.679	10	1/8
46.680	10	1/4
46.681	10	3/8
46.683	12	1/4

*Metric thread

FEMALE CONNECTOR

STRAIGHT



Product No	Tubing O.D. mm	Thread (F) BSPT
46.205	6	1/8
46.206	6	1/4
46.209	8	1/8
46.210	8	1/4
46.214	10	1/4

UNION

STRAIGHT



Product No	Tubing O.D. mm
46.230	4
46.235	6
46.240	8
46.245	10
46.250	12

ELBOW



Product No	Tubing O.D. mm
46.260	4
46.270	6
46.275	8
46.280	10
46.285	12

TEE



Product No	Tubing O.D. mm
46.295	4
46.305	6
46.310	8
46.315	10
46.320	12

"Y"



Product No	Tubing① O.D. mm	Tubing ② O.D. mm
46.540	4	4
46.543	6	4
46.545	6	6
46.550	8	8
46.552	10	10

BULKHEAD



Product No	Tubing O.D. mm
46.560	4
46.570	6
46.575	8
46.580	10

PLUG



Product No	O.D. mm
46.430	4
46.435	6
46.440	8
46.445	10
46.450	12

MAXFIT® | POLYMER | MM | BSPT

SPEED CONTROLLER

WITH FLOW CONTROL VALVE
THREADED ELBOW



Meter-out Product No	Meter-in Product No	Tubing O.D. mm	Thread (M) BSPT
46.902	--	4	M5*
46.904	--	4	1/8
46.906	--	4	1/4
46.908	46.909	6	M5*
46.910	46.911	6	1/8
46.912	46.913	6	1/4
46.914	46.917	8	1/8
46.916	46.919	8	1/4
46.918	--	8	3/8
46.920	--	8	1/2
46.926		10	3/8

*Metric thread

WITH FLOW CONTROL VALVE
STRAIGHT UNION



Meter-out Product No	Tubing O.D. mm
46.952	4
46.954	6
46.956	8
46.958	10
46.960	12

WITHOUT FLOW CONTROL VALVE
THREADED ELBOW



Product No	Tubing O.D. mm	Thread (M) BSPT
46.870	4	M5*
46.873	6	1/8
46.876	8	1/8
46.877	8	1/4
46.880	10	1/4
46.881	10	3/8
46.883	12	3/8

* Metric thread

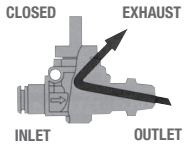
MINIATURE HAND VALVE

STRAIGHT UNION



3-Way Product No	Tubing O.D. mm
46.060	4
46.061	6
46.063	8
46.064	10

When closed, the 3-Way miniature hand valve discharge residual pressure



REDUCER

STRAIGHT



Product No	Tubing O.D. mm	Tubing O.D. mm
46.233	6	4
46.238	8	6
46.243	10	8

STEM REDUCER

MM - IN



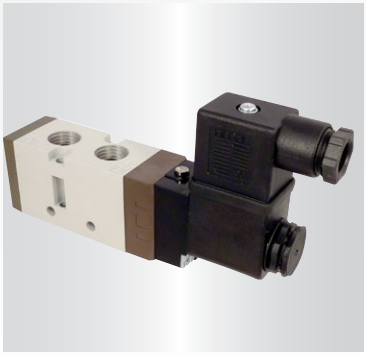
Product No	Stem O.D. mm	Tubing O.D. in
46.820	8	1/4
46.822	10	1/4
46.823	10	5/16
46.825	12	1/4
46.827	12	3/8

MM - MM



Product No	Stem O.D.mm	Tubing O.D.mm
46.585	6	4
46.586	8	6
46.587	10	8
46.588	12	10

Air control valves



Group 5 • Series 80

TOPRING

Compressed air solutions

AIR CONTROL VALVES INTRODUCTION

AIR CONTROL VALVE SYMBOLS

The workings of an air control valve can be determined by the symbol printed on the valve. All air control valves have this symbol on the valve body and these symbols are also included in this catalogue.

The number of squares in the symbol will determine the number of positions for the valve. The square containing arrows and either letters or numbers is the "normal", or "initial" position of the valve; this is the position the valve will default to when connected to the air supply.

The other square (or squares) indicates how the valve reacts when another position is reached. The arrows indicate the flow direction of air.

3/2

3 WAYS,
2 POSITIONS VALVES

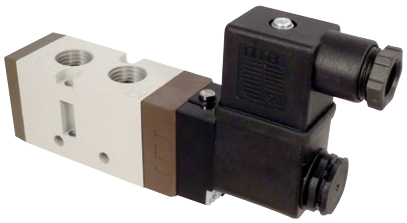
Used to activate single acting cylinders



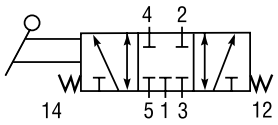
5/2 • 5/3 • 4/3

4 OR 5 WAYS,
2 AND 3 POSITIONS VALVES

Used to activate double acting cylinders



Basic symbols for typical valve types

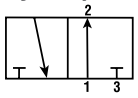


Port identification

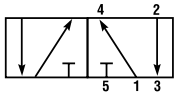
1	Supply pressure inlet
2 - 4	Working Ports
3 - 5	Exhaust
12	Return Type
14	Control

Examples of symbols

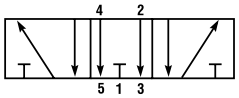
3 ways - 2 positions



5 ways - 2 positions



5 ways - 3 positions



COEFFICIENT OF VELOCITY

The Cv factor, or coefficient of velocity, is a method of indicating the flow capacity of different valves, independent of supply pressure, pressure loss or temperature. The higher the Cv factor, the higher the airflow capacity of the valve.

This Cv factor can be calculated as follows:
Cv = Q x Fc
Q = Cv / Fc

Fc table for air at 20 °C and pressure loss of 10 PSI (for standard application)

Pressure, inlet (PSIG)	20	30	40	50	60	70	80	90	100	110	120
Fc factor	0.0650	0.0549	0.0483	0.0437	0.0402	0.0374	0.0351	0.0332	0.0316	0.0302	0.0289

Fc table for air at 20 °C and pressure loss of 5 PSI (for conservative application)

Pressure, inlet (PSIG)	20	30	40	50	60	70	80	90	100	110	120
Fc factor	0.0839	0.0725	0.0648	0.0591	0.0547	0.0512	0.0483	0.0458	0.0436	0.0418	0.0401

Fc table for air at 20 °C and pressure loss of 2 PSI (for critical application)

Pressure, inlet (PSIG)	20	30	40	50	60	70	80	90	100	110	120
Fc factor	0.1264	0.1106	0.0995	0.0913	0.0847	0.0795	0.0751	0.0713	0.0681	0.0652	0.0627

Example: 1/4" NPT valve, Cv = 0.8
100 psig operating pressure
will have a flow "Q" of:
Q = 25.3 scfm if δP of 10 psi is acceptable
Q = 18.3 scfm if δP of 5 psi is acceptable
Q = 11.7 scfm if δP of 2 psi is acceptable

Q= flow (scfm), P= inlet valve pressure (psig), **δP**= pressure loss (psi), **Cv**= coefficient of velocity, **Fc**= conversion factor
* In the metric system, Kv coefficient is used, its equivalence is: Cv = 1.16*Kv

VALVE TYPES

MECHANICAL



Direct plunger operated

A "maintained" mechanical force applied to the plunger shifts the valve. When the force is removed, the valve returns to its normal position.



Roller operated

These valves actuate from both directions. A "maintained" mechanical force to the roller shifts the valve. When the force is removed, the valve returns to its normal position.

HAND OPERATED



Button operated (spring return)

Pushing and holding the button shifts the spring return valve. When the button is released, the valve returns to its normal position.



Button operated (detented)

Pushing the button shifts the manual return valve. The valve remains in this position until the button is pulled back.



Twist selector operated

Twisting the lever shifts the valve. The valve remains in this position until the lever is twisted back.



Palm button operated

Pushing and holding the button shifts the valve. When the button is released, the valve returns to its normal position.



Flush push-button operated

Pushing and holding the button shifts the valve. When the button is released, the valve returns to its normal position. Can be panel mounted through a round mounting hole.



Lever operated (spring return)

Pushing the lever shifts the spring return valve. When the lever is released, the valve returns to its normal position.



Lever operated (detented)

Pushing the lever shifts the manual return valve. The valve remains in this position until the lever is pulled back.



Lateral lever operated (detented)

Pushing the lever shifts the valve. The valve remains in this position until the lever is pulled back.



Rotary lever (detented)

The valve is actuated by rotating the lever which remains in the desired position until the handle is repositioned again.

FOOT PEDAL



(spring return)

Pressing and holding the pedal shifts the spring return valve. When the pedal is released, the valve returns to its normal position

(detented)

Pressing the primary pedal shifts the detented valve. When the release pedal is pressed, the valve returns to its normal position.

SOLENOID



Single solenoid

A "maintained" electrical signal shifts the single solenoid valve. When the signal is removed, the valve returns to its normal position. These valves can be used to provide pilot signals for larger valves.



Double solenoid

A "momentary" electrical signal applied to one of the solenoids shifts the double solenoid valve. The valve remains in this position until a "momentary" signal is applied to the other solenoid. A "maintained" electrical signal applied alternately to the solenoids shifts the 3 position double solenoid valve. When the signal is removed, springs return the valve to its center position.

PNEUMATIC



Single remote pilot

A "maintained" pressure signal shifts single pilot valve. When the signal is removed, the valve returns to its normal position.



Double remote pilot

A "momentary" pressure applied to one pilot section shifts the double pilot valve. The valve remains in this position until a "momentary" pressure signal is applied to the other pilot section.

S80 • AIR CONTROL VALVE SELECTION GUIDE / P. 1 of 4

3/2		OPTIMA 15 000 000 cycles					MAXPRO 10 000 000 cycles				
		NPT	Cv	SCFM*	Product No		NPT	Cv	SCFM*	Product No
PALM BUTTON OPERATED		1/8	0.58	17	80.802					
		1/4	0.89	26	80.902		1/4	1.0	30	80.702
DIRECT PLUNGER OPERATED		1/4	0.89	26	80.900					
FLUSH PUSH-BUTTON OPERATED		1/4	0.89	26	80.903					
BUTTON OPERATED (SPRING RETURN)							1/8	1.00	30	80.805
		1/4	1.00	30	80.827		1/4	1.00	30	80.905
BUTTON OPERATED (DETENTED)							1/8	1.00	30	80.806
		1/4	1.00	30	80.828		1/4	1.00	30	80.906
ROLLER OPERATED		1/8	0.58	17	80.801					
		1/4	0.89	26	80.901		1/4	1.00	30	80.701
TWIST SELECTOR OPERATED		1/8	0.58	17	80.804					
		1/4	0.89	26	80.904		1/4	1.00	30	80.704
LEVER OPERATED (SPRING RETURN)							1/8	1.00	30	80.817
		1/4	1.00	30	80.831		1/4	1.00	30	80.917
LEVER OPERATED (DETENTED)							1/8	1.00	30	80.807
		1/4	1.00	30	80.832		1/4	1.00	30	80.907
LATERAL LEVER OPERATED (DETENTED)		1/8	0.50	15	80.818					
		1/4	1.0	30	80.918					
FOOT PEDAL OPERATED (SPRING RETURN)										
		1/4	0.67	20	80.908					
FOOT PEDAL OPERATED (DETENTED)										
		1/4	0.67	20	80.909					
SINGLE REMOTE PILOT		1/4	1.06	31	80.992					
ELECTRICAL SINGLE SOLENOID (NF): NORMALLY CLOSED (NO): NORMALLY OPEN		1/8	0.70	21	(NF) (NO) 80.950 • 80.951 (110 VAC) 80.950.02 • 80.951.02 (220 VAC) 80.950.03 • 80.951.03 (24 VDC) 80.950.04 • 80.951.04 (24 VAC) 80.950.05 • 80.951.05 (12 VDC)		1/8	0.67	20	(NF) 80.750 (110 VAC) 80.750.03 (24 VDC)
		1/4	1.06	31	(NF) (NO) 80.952 • 80.953 (110 VAC) 80.952.02 • 80.953.02 (220 VAC) 80.952.03 • 80.953.03 (24 VDC) 80.952.04 • 80.953.04 (24 VAC) 80.952.05 • 80.953.05 (12 VDC)		1/4	1.00	30	(NF) (NO) 80.752 • 80.753 (110 VAC) 80.752.03 • 80.753.03 (24 VDC)
		1/2	3.61	107	80.966 (110 VAC) 80.966.02 (220 VAC) 80.966.03 (24 VDC) 80.966.04 (24 VAC) 80.966.05 (12 VDC)					

*SCFM at 100 PSI/ 10 PSI charge loss (90 PSI at the outlet)

S80 • AIR CONTROL VALVE SELECTION GUIDE / P. 2 of 4

5/2	OPTIMA 15 000 000 cycles					MAXPRO 10 000 000 cycles				
		NPT	Cv	SCFM*	Product No		NPT	Cv	SCFM*	Product No
PALM BUTTON OPERATED		1/4	1.06	31	80.912		1/4	1.00	30	80.712
DIRECT PLUNGER OPERATED		1/4	1.06	2	80.910					
FLUSH PUSH-BUTTON OPERATED		1/4	1.06	31	80.913					
BUTTON OPERATED (SPRING RETURN)		1/8	0.75	22	80.825		1/8	1.00	30	80.815
		1/4	1.00	30	80.829		1/4	1.00	30	80.915
BUTTON OPERATED (DETENTED)		1/8	0.75	22	80.826		1/8	1.00	30	80.816
		1/4	1.00	30	80.830		1/4	1.00	30	80.916
ROLLER OPERATED		1/8	0.70	21	80.811					
		1/4	1.06	31	80.911					
TWIST SELECTOR OPERATED		1/8	0.70	21	80.814					
		1/4	1.06	31	80.914		1/4	1.00	30	80.714
LEVER OPERATED (SPRING RETURN)		1/4	1.00	30	80.935		1/4	1.00	30	80.925
		3/8	1.94	57	80.945					
		1/2	5.00	148	80.845					
LEVER OPERATED (DETENTED)		1/8	0.75	22	80.836					
		1/4	1.00	30	80.936		1/4	1.00	30	80.926
		3/8	1.94	57	80.946		3/8	1.94	57	80.746
		1/2	5.00	148	80.846					
LATERAL LEVER OPERATED (DETENTED)		1/8	0.50	15	80.820					
		1/4	1.00	30	80.920					
FOOT PEDAL (SPRING RETURN)		1/4	0.67	20	80.942					
		1/4	0.67	20	80.943					
FOOT PEDAL (DETENTED)		1/4	1.00	30	80.940					
		3/8	1.94	57	80.941					
FOOT PEDAL (SPRING RETURN)		1/8	0.75	22	80.979					
		1/4	1.06	31	80.982		1/4	1.00	30	80.782
SINGLE REMOTE PILOT		3/8	2.00	59	80.986					
		1/2	3.61	107	80.989					
DOUBLE REMOTE PILOT		1/8	0.75	22	80.980					
		1/4	1.06	31	80.983		1/4	1.00	30	80.783
		3/8	2.00	59	80.987					
		1/2	3.61	107	80.990					

*SCFM at 100 PSI/ 10 PSI charge loss (90 PSI at the outlet)

S80 • AIR CONTROL VALVE SELECTION GUIDE / P. 3 of 4

5/2

OPTIMA — 15 000 000 cycles

		NPT	Cv	SCFM*	Product No
ELECTRICAL SINGLE SOLENOID		1/8	0.70	21	80.954 (110 VAC) 80.954.02 (220 VAC) 80.954.03 (24 VDC) 80.954.04 (24 VAC) 80.954.05 (12 VDC)
		1/4	1.06	31	80.960 (110 VAC) 80.960.02 (220 VAC) 80.960.03 (24 VDC) 80.960.04 (24 VAC) 80.960.05 (12 VDC)
		3/8	2.00	59	80.970 (110 VAC) 80.970.02 (220 VAC) 80.970.03 (24 VDC) 80.970.04 (24 VAC) 80.970.05 (12 VDC)
		1/2	3.61	107	80.974 (110 VAC) 80.974.02 (220 VAC) 80.974.03 (24 VDC) 80.974.04 (24 VAC) 80.974.05 (12 VDC)
ELECTRICAL DOUBLE SOLENOID		1/8	0.70	21	80.955 (110 VAC) 80.955.02 (220 VAC) 80.955.03 (24 VDC) 80.955.04 (24 VAC) 80.955.05 (12 VDC)
		1/4	1.06	31	80.961 (110 VAC) 80.961.02 (220 VAC) 80.961.03 (24 VDC) 80.961.04 (24 VAC) 80.961.05 (12 VDC)
		3/8	2.00	59	80.971 (110 VAC) 80.971.02 (220 VAC) 80.971.03 (24 VDC) 80.971.04 (24 VAC) 80.971.05 (12 VDC)
		1/2	3.61	107	80.975 (110 VAC) 80.975.02 (220 VAC) 80.975.03 (24 VDC) 80.975.04 (24 VAC) 80.975.05 (12 VDC)

MAXPRO — 10 000 000 cycles

		NPT	Cv	SCFM*	Product No
		1/8	0.61	18	80.760 (110 VAC) 80.760.03 (24 VDC)
		1/4	1.00	30	80.761 (110 VAC) 80.761.03 (24 VDC)
		3/8	1.94	57	80.762 (110 VAC) 80.762.03 (24 VDC)
		1/2	3.89	115	80.763 (110 VAC) 80.763.03 (24 VDC)
		1/8	0.61	18	80.765 (110 VAC) 80.765.03 (24 VDC)
		1/4	1.00	30	80.766 (110 VAC) 80.766.03 (24 VDC)
		3/8	1.94	57	80.767 (110 VAC) 80.767.03 (24 VDC)

Solenoid with **ATEX** certification available upon request

5/2 MAXPRO STAINLESS STEEL

		NPT	Cv	SCFM*	Product No
ELECTRICAL SINGLE SOLENOID		1/4	1.94	57	80.870 (110 VAC) 80.870.02 (220 VAC) 80.870.03 (24 VDC)
		3/8	3.61	107	80.875 (110 VAC) 80.875.02 (220 VAC) 80.875.03 (24 VDC)
ELECTRICAL DOUBLE SOLENOID		1/4	1.94	57	80.871 (110 VAC) 80.871.02 (220 VAC) 80.871.03 (24 VDC)
		3/8	3.61	107	80.876 (110 VAC) 80.876.02 (220 VAC) 80.876.03 (24 VDC)

*SCFM at 100 PSI/ 10 PSI charge loss (90 PSI at the outlet)

S80 • AIR CONTROL VALVE SELECTION GUIDE / P. 4 of 4

5/3

OPTIMA — 15 000 000 cycles

		NPT	Cv	SCFM*	Product No
LEVER OPERATED (SPRING RETURN) (CF): CLOSED CENTER (CE): OPEN CENTER AT THE EXHAUST		1/4 (CF)	1.00	30	80.937
		3/8 (CF)	1.94	57	80.947
		1/2 (CF)	5.00	148	80.847
		1/4 (CE)	1.00	30	80.938
		3/8 (CE)	1.94	57	80.948
		1/2 (CE)	5.00	148	80.848
LEVER OPERATED (DETENTED) (CF): CLOSED CENTER (CE): OPEN CENTER AT THE EXHAUST		1/4 (CF)	1.00	30	80.921
		3/8 (CF)	1.94	57	80.933
		1/2 (CF)	5.00	148	80.833
		1/4 (CE)	1.00	30	80.922
		3/8 (CE)	1.94	57	80.934
		1/2 (CE)	5.00	148	80.834
ROTARY LEVER (DETENTED) (CF): CLOSED CENTER		1/4 (CF)	0.42	12	80.930
		3/8 (CF)	1.11	33	80.931
		1/2 (CF)	3.06	91	80.932
DOUBLE REMOTE PILOT (CF): CLOSED CENTER		1/4 (CF)	0.64	19	80.984
		3/8 (CF)	1.67	49	80.988
ELECTRICAL DOUBLE SOLENOID (CF): CLOSED CENTER		1/8 (CF)	0.50	15	80.956 (110 VAC) 80.956.02 (220 VAC) 80.956.03 (24 VDC) 80.956.04 (24 VAC) 80.956.05 (12 VDC)
		1/4 (CF)	0.64	19	80.962 (110 VAC) 80.962.02 (220 VAC) 80.962.03 (24 VDC) 80.962.04 (24 VAC) 80.962.05 (12 VDC)
		3/8 (CF)	1.67	49	80.972 (110 VAC) 80.972.02 (220 VAC) 80.972.03 (24 VDC) 80.972.04 (24 VAC) 80.972.05 (12 VDC)
		1/2 (CF)	2.78	82	80.976 (110 VAC) 80.976.02 (220 VAC) 80.976.03 (24 VDC) 80.976.04 (24 VAC) 80.976.05 (12 VDC)
ELECTRICAL DOUBLE SOLENOID (CE): OPEN CENTER AT THE EXHAUST		1/8 (CE)	0.50	15	80.957 (110 VAC) 80.957.02 (220 VAC) 80.957.03 (24 VDC) 80.957.04 (24 VAC) 80.957.05 (12 VDC)
		1/4 (CE)	0.64	19	80.963 (110 VAC) 80.963.02 (220 VAC) 80.963.03 (24 VDC) 80.963.04 (24 VAC) 80.963.05 (12 VDC)
		3/8 (CE)	1.67	49	80.973 (110 VAC) 80.973.02 (220 VAC) 80.973.03 (24 VDC) 80.973.04 (24 VAC) 80.973.05 (12 VDC)

Solenoid with **ATEX** certification available upon request

MAXPRO — 10 000 000 cycles

		NPT	Cv	SCFM*	Product No
		1/4 (CF)	1.94	57	80.923
		3/8 (CF)	1.94	57	80.919
		1/4 (CE)	1.94	57	80.924
		1/4 (CF)	1.94	57	80.927
		3/8 (CF)	1.94	57	80.929
		1/4 (CE)	1.94	57	80.928

*SCFM at 100 PSI/ 10 PSI charge loss (90 PSI at the outlet)

OPTIMA VALVES

OPTIMA air control valves offer high flow performance and reliability.

15 000 000 CYCLES

- Compact size
- High flow
- Quick response
- Highly reliable spool technology
- 3 and 5 ways, 2 and 3 positions
- Designed for in-line or bar manifolding

Materials

Body, End Caps: Anodized aluminum

Seals: Rubber nitrile

Spool: Aluminum

Other Internal Parts: Stainless steel, brass, aluminum

Specifications

Fluid: Compressed air (lubricated and oil free)
Excepted rotary lever valve: filtered air (5 micron)

Working Pressure:
Mechanical and hand control valves: 0 to 116 PSI
Excepted 80.818/80.820: 29 to 145 PSI

Rotary lever valve: 0 to 145 PSI

Foot pedal valves:
80.908/80.909/80.942/80.943: 0 to 128 PSI
80.940/80.941: 22 to 116 PSI

Solenoid and pneumatic valves:
3/2 and 5/2: 22 to 145 PSI
5/3: 29 to 145 PSI

Working Temperature: 5 to 60 °C
Excepted 80.908/80.909/80.942/80.943: -10 to 60 °C



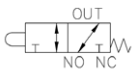
OPTIMA

MECHANICAL VALVES

DIRECT PLUNGER OPERATED



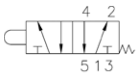
3/2



Product No	Port Size (F) NPT	Way / Position
80.900	1/4	3/2



5/2



Product No	Port Size (F) NPT	Way / Position
80.910	1/4	5/2

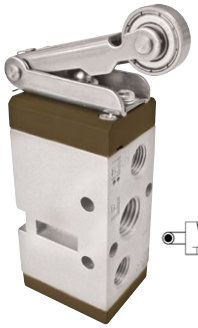
ROLLER OPERATED



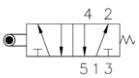
3/2



Product No	Port Size (F) NPT	Way / Position
80.801	1/8	3/2
80.901	1/4	3/2



5/2



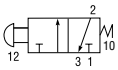
Product No	Port Size (F) NPT	Way / Position
80.811	1/8	5/2
80.911	1/4	5/2

HAND CONTROL VALVES

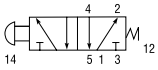
BUTTON OPERATED (SPRING RETURN)



3/2



5/2

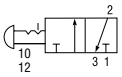


Product No	Port Size (F) NPT	Way / Position
80.827	1/4	3/2
80.825	1/8	5/2
80.829	1/4	5/2

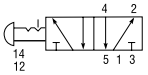
BUTTON OPERATED (DETENTED)



3/2



5/2

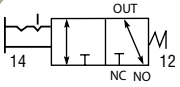


Product No	Port Size (F) NPT	Way / Position
80.828	1/4	3/2
80.826	1/8	5/2
80.830	1/4	5/2

TWIST SELECTOR OPERATED



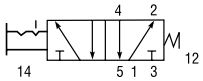
3/2



Product No	Port Size (F) NPT	Way / Position
80.804	1/8	3/2
80.904	1/4	3/2



5/2



Product No	Port Size (F) NPT	Way / Position
80.814	1/8	5/2
80.914	1/4	5/2

PALM BUTTON OPERATED



3/2



Product No	Port Size (F) NPT	Way / Position
80.802	1/8	3/2
80.902	1/4	3/2



5/2

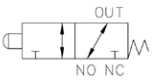


Product No	Port Size (F) NPT	Way / Position
80.912	1/4	5/2

FLUSH PUSH-BUTTON OPERATED



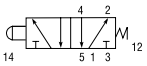
3/2



Product No	Port Size (F) NPT	Way / Position
80.903	1/4	3/2



5/2



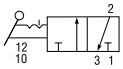
Product No	Port Size (F) NPT	Way / Position
80.913	1/4	5/2

OPTIMA
HAND CONTROL VALVES

LATERAL LEVER OPERATED

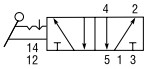


3/2
DETENTED



Product No	Port Size (F) NPT	Way / Position
80.818	1/8	**3/2**
80.918	1/4	**3/2**

5/2
DETENTED

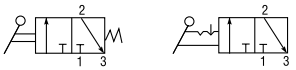


Product No	Port Size (F) NPT	Way / Position
80.820	1/8	**5/2**
80.920	1/4	**5/2**

LEVER OPERATED



3/2



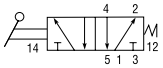
SPRING RETURN **DETENDED**

Product No	Port Size (F) NPT	Way / Position	Return Type
80.831	1/4	**3/2**	Spring return
80.832	1/4	**3/2**	Detented

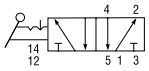
LEVER OPERATED



5/2



SPRING RETURN



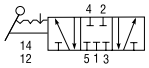
DETENDED

Product No	Port Size (F) NPT	Way / Position	Return Type
80.836	1/8	**5/2**	Detented
80.935	1/4	**5/2**	Spring return
80.936	1/4	**5/2**	Detented
80.945	3/8	**5/2**	Spring return
80.946	3/8	**5/2**	Detented
80.845	1/2	**5/2**	Spring return
80.846	1/2	**5/2**	Detented

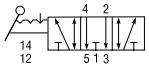
LEVER OPERATED



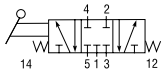
5/3



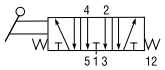
DETENDED CLOSED CENTER



DETENDED CLOSED CENTER AT THE EXHAUST



SPRING RETURN CLOSED CENTER



SPRING RETURN OPEN CENTER AT THE EXHAUST

Product No	Port Size (F) NPT	Way / Position	Return Type
80.921	1/4	**5/3**	Detended / Closed center
80.922	1/4	**5/3**	Detended / Open center at the exhaust
80.937	1/4	**5/3**	Spring return / Closed center
80.938	1/4	**5/3**	Spring return / Open center at the exhaust
80.933	3/8	**5/3**	Detended / Closed center
80.934	3/8	**5/3**	Detended / Open center at the exhaust
80.947	3/8	**5/3**	Spring return / Closed center
80.948	3/8	**5/3**	Spring return / Open center at the exhaust
80.833	1/2	**5/3**	Detended / Closed center
80.834	1/2	**5/3**	Detended / Open center at the exhaust
80.847	1/2	**5/3**	Spring return / Closed center
80.848	1/2	**5/3**	Spring return / Open center at the exhaust

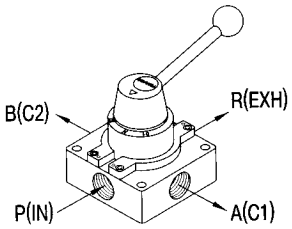
OPTIMA
HAND CONTROL VALVES

ROTARY LEVER OPERATED

- Compact design
- Leak-proof operation
- Long service life
- Low operator effort
- Operation angle: 90º

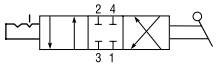
Specifications

Fluid: Filtered air (5 micron)





4/3



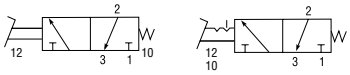
CLOSED CENTER

Product No	Port Size (F) NPT	Way / Position
80.930	1/4	4/3
80.931	3/8	4/3
80.932	1/2	4/3

FOOT PEDAL OPERATED



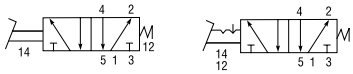
3/2



SPRING RETURN DETENTED

Product No	Port Size (F) NPT	Way / Position	Return Type
80.908	1/4	3/2	Spring
80.909	1/4	3/2	Detented

5/2



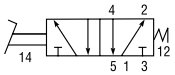
SPRING RETURN DETENTED

Product No	Port Size (F) NPT	Way / Position	Return Type
80.942	1/4	5/2	Spring
80.943	1/4	5/2	Detented

FOOT PEDAL OPERATED
(SPRING RETURN)



5/2



SPRING RETURN

Product No	Port Size (F) NPT	Way / Position	Return Type
80.940	1/4	5/2	Spring
80.941	3/8	5/2	Spring

OPTIMA
ELECTRICAL VALVES

SINGLE SOLENOID

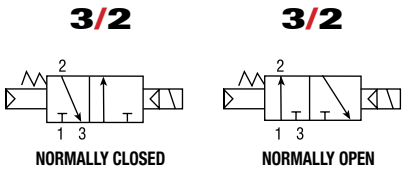
- Solenoid manual override button shifts the valve without electrical power
- Standard connector (DIN type)
- Electrical coil can be turned 360° in 90° increments to accommodate most installation requirements

Specifications

Manual Override: Push-Button
Voltage Fluctuation: ±10%
Response Time: 3/2 & 5/2: ≤ 25 ms • 5/3: ≤ 35 ms
Maximum Cycles/Minute: 3/2 and 5/2: 300 • 5/3: 180

Solenoid with **ATEX** certification available upon request





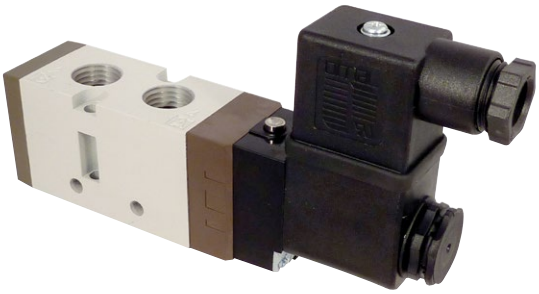
SINGLE SOLENOID - 3 WAYS / 2 POSITIONS

Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.950	1/8	**3/2**	Normally Closed	110 VAC
80.950.02	1/8	**3/2**	Normally Closed	220 VAC
80.950.03	1/8	**3/2**	Normally Closed	24 VDC
80.950.04	1/8	**3/2**	Normally Closed	24 VAC
80.950.05	1/8	**3/2**	Normally Closed	12 VDC
80.951	1/8	**3/2**	Normally Open	110 VAC
80.951.02	1/8	**3/2**	Normally Open	220 VAC
80.951.03	1/8	**3/2**	Normally Open	24 VDC
80.951.04	1/8	**3/2**	Normally Open	24 VAC
80.951.05	1/8	**3/2**	Normally Open	12 VDC
80.952	1/4	**3/2**	Normally Closed	110 VAC
80.952.02	1/4	**3/2**	Normally Closed	220 VAC
80.952.03	1/4	**3/2**	Normally Closed	24 VDC
80.952.04	1/4	**3/2**	Normally Closed	24 VAC
80.952.05	1/4	**3/2**	Normally Closed	12 VDC
80.953	1/4	**3/2**	Normally Open	110 VAC
80.953.02	1/4	**3/2**	Normally Open	220 VAC
80.953.03	1/4	**3/2**	Normally Open	24 VDC
80.953.04	1/4	**3/2**	Normally Open	24 VAC
80.953.05	1/4	**3/2**	Normally Open	12 VDC
80.966	1/2	**3/2**	Normally Closed	110 VAC
80.966.02	1/2	**3/2**	Normally Closed	220 VAC
80.966.03	1/2	**3/2**	Normally Closed	24 VDC
80.966.04	1/2	**3/2**	Normally Closed	24 VAC
80.966.05	1/2	**3/2**	Normally Closed	12 VDC

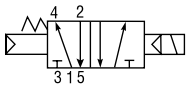
Solenoid and pneumatic valves:
3/2 to 5/2: 22 to 145 PSI
5/3: 29 to 145 PSI

OPTIMA
ELECTRICAL VALVES

SINGLE SOLENOID

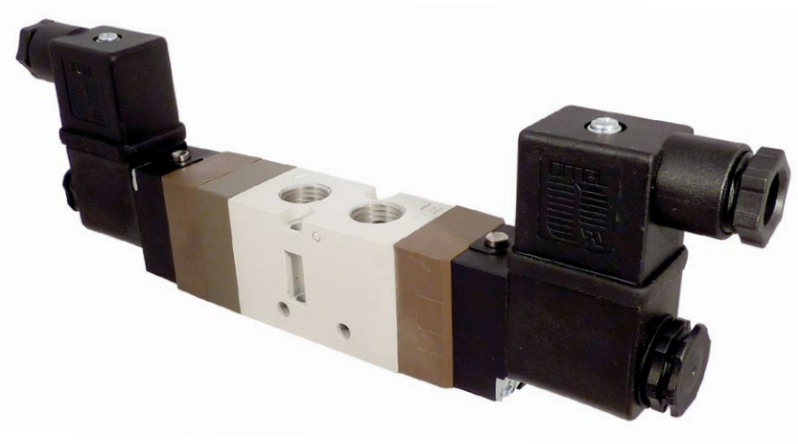


5/2

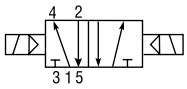


SINGLE SOLENOID

DOUBLE SOLENOID



5/2



DOUBLE SOLENOID

SINGLE SOLENOID - 5 WAYS / 2 POSITIONS

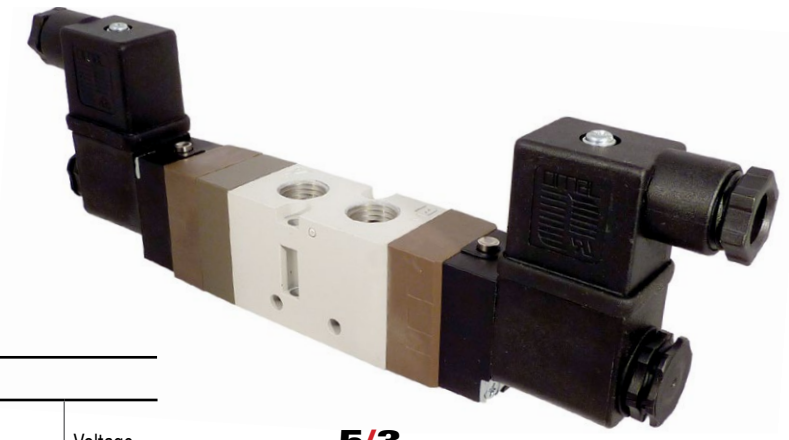
Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.954	1/8	**5/2**	Single solenoid	110 VAC
80.954.02	1/8	**5/2**	Single solenoid	220 VAC
80.954.03	1/8	**5/2**	Single solenoid	24 VDC
80.954.04	1/8	**5/2**	Single solenoid	24 VAC
80.954.05	1/8	**5/2**	Single solenoid	12 VDC
80.960	1/4	**5/2**	Single solenoid	110 VAC
80.960.02	1/4	**5/2**	Single solenoid	220 VAC
80.960.03	1/4	**5/2**	Single solenoid	24 VDC
80.960.04	1/4	**5/2**	Single solenoid	24 VAC
80.960.05	1/4	**5/2**	Single solenoid	12 VDC
80.970	3/8	**5/2**	Single solenoid	110 VAC
80.970.02	3/8	**5/2**	Single solenoid	220 VAC
80.970.03	3/8	**5/2**	Single solenoid	24 VDC
80.970.04	3/8	**5/2**	Single solenoid	24 VAC
80.970.05	3/8	**5/2**	Single solenoid	12 VDC
80.974	1/2	**5/2**	Single solenoid	110 VAC
80.974.02	1/2	**5/2**	Single solenoid	220 VAC
80.974.03	1/2	**5/2**	Single solenoid	24 VDC
80.974.04	1/2	**5/2**	Single solenoid	24 VAC
80.974.05	1/2	**5/2**	Single solenoid	12 VDC

DOUBLE SOLENOID - 5 WAYS / 2 POSITIONS

Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.955	1/8	**5/2**	Double solenoid	110 VAC
80.955.02	1/8	**5/2**	Double solenoid	220 VAC
80.955.03	1/8	**5/2**	Double solenoid	24 VDC
80.955.04	1/8	**5/2**	Double solenoid	24 VAC
80.955.05	1/8	**5/2**	Double solenoid	12 VDC
80.961	1/4	**5/2**	Double solenoid	110 VAC
80.961.02	1/4	**5/2**	Double solenoid	220 VAC
80.961.03	1/4	**5/2**	Double solenoid	24 VDC
80.961.04	1/4	**5/2**	Double solenoid	24 VAC
80.961.05	1/4	**5/2**	Double solenoid	12 VDC
80.971	3/8	**5/2**	Double solenoid	110 VAC
80.971.02	3/8	**5/2**	Double solenoid	220 VAC
80.971.03	3/8	**5/2**	Double solenoid	24 VDC
80.971.04	3/8	**5/2**	Double solenoid	24 VAC
80.971.05	3/8	**5/2**	Double solenoid	12 VDC
80.975	1/2	**5/2**	Double solenoid	110 VAC
80.975.02	1/2	**5/2**	Double solenoid	220 VAC
80.975.03	1/2	**5/2**	Double solenoid	24 VDC
80.975.04	1/2	**5/2**	Double solenoid	24 VAC
80.975.05	1/2	**5/2**	Double solenoid	12 VDC

OPTIMA
ELECTRICAL VALVES

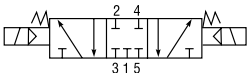
DOUBLE SOLENOID



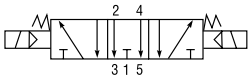
DOUBLE SOLENOID - 5 WAYS / 3 POSITIONS

Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.956	1/8	**5/3**	Double solenoid / Closed center	110 VAC
80.956.02	1/8	**5/3**	Double solenoid / Closed center	220 VAC
80.956.03	1/8	**5/3**	Double solenoid / Closed center	24 VDC
80.956.04	1/8	**5/3**	Double solenoid / Closed center	24 VAC
80.956.05	1/8	**5/3**	Double solenoid / Closed center	12 VDC
80.957	1/8	**5/3**	Double solenoid / Exhaust Center	110 VAC
80.957.02	1/8	**5/3**	Double solenoid / Exhaust Center	220 VAC
80.957.03	1/8	**5/3**	Double solenoid / Exhaust Center	24 VDC
80.957.04	1/8	**5/3**	Double solenoid / Exhaust Center	24 VAC
80.957.05	1/8	**5/3**	Double solenoid / Exhaust Center	12 VDC
80.962	1/4	**5/3**	Double solenoid / Closed center	110 VAC
80.962.02	1/4	**5/3**	Double solenoid / Closed center	220 VAC
80.962.03	1/4	**5/3**	Double solenoid / Closed center	24 VDC
80.962.04	1/4	**5/3**	Double solenoid / Closed center	24 VAC
80.962.05	1/4	**5/3**	Double solenoid / Closed center	12 VDC
80.963	1/4	**5/3**	Double solenoid / Exhaust Center	110 VAC
80.963.02	1/4	**5/3**	Double solenoid / Exhaust Center	220 VAC
80.963.03	1/4	**5/3**	Double solenoid / Exhaust Center	24 VDC
80.963.04	1/4	**5/3**	Double solenoid / Exhaust Center	24 VAC
80.963.05	1/4	**5/3**	Double solenoid / Exhaust Center	12 VDC
80.972	3/8	**5/3**	Double solenoid / Closed center	110 VAC
80.972.02	3/8	**5/3**	Double solenoid / Closed center	220 VAC
80.972.03	3/8	**5/3**	Double solenoid / Closed center	24 VDC
80.972.04	3/8	**5/3**	Double solenoid / Closed center	24 VAC
80.972.05	3/8	**5/3**	Double solenoid / Closed center	12 VDC
80.973	3/8	**5/3**	Double solenoid / Exhaust Center	110 VAC
80.973.02	3/8	**5/3**	Double solenoid / Exhaust Center	220 VAC
80.973.03	3/8	**5/3**	Double solenoid / Exhaust Center	24 VDC
80.973.04	3/8	**5/3**	Double solenoid / Exhaust Center	24 VAC
80.973.05	3/8	**5/3**	Double solenoid / Exhaust Center	12 VDC
80.976	1/2	**5/3**	Double solenoid / Closed center	110 VAC
80.976.02	1/2	**5/3**	Double solenoid / Closed center	220 VAC
80.976.03	1/2	**5/3**	Double solenoid / Closed center	24 VDC
80.976.04	1/2	**5/3**	Double solenoid / Closed center	24 VAC
80.976.05	1/2	**5/3**	Double solenoid / Closed center	12 VDC

5/3



DOUBLE SOLENOID / CLOSED CENTER



DOUBLE SOLENOID / EXHAUST CENTER

Solenoid with **ATEX** certification available upon request

REPLACEMENT SOLENOID COILS AND CONNECTORS

The solenoid coils on **OPTIMA** electrical valves can be replaced or changed for other voltages

SOLENOID COILS





Product No	Port Size	Voltage
80.994	1/8	110 VAC
80.994.02	1/8	220 VAC
80.994.03	1/8	24 VDC
80.994.04	1/8	24 VAC
80.994.05	1/8	12 VDC
80.995	1/4 - 3/8 - 1/2	110 VAC
80.995.02	1/4 - 3/8 - 1/2	220 VAC
80.995.03	1/4 - 3/8 - 1/2	24 VDC
80.995.04	1/4 - 3/8 - 1/2	24 VAC
80.995.05	1/4 - 3/8 - 1/2	12 VDC

CONNECTORS



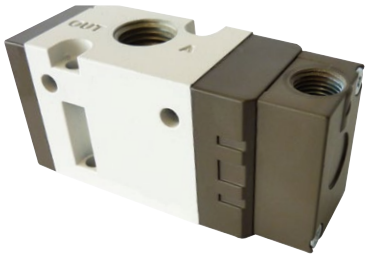
Product No	Port Size
80.997	1/8
80.998	1/4 - 3/8 - 1/2

OPTIMA
PNEUMATIC VALVES

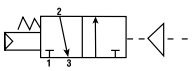
SINGLE AND DOUBLE REMOTE PILOT

Specifications

Pilot Port: 1/8 NPT



3/2

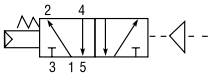


SINGLE REMOTE PILOT

Product No	Port Size (F) NPT	Way / Position	Return Type
80.992	1/4	**3/2**	Single remote pilot

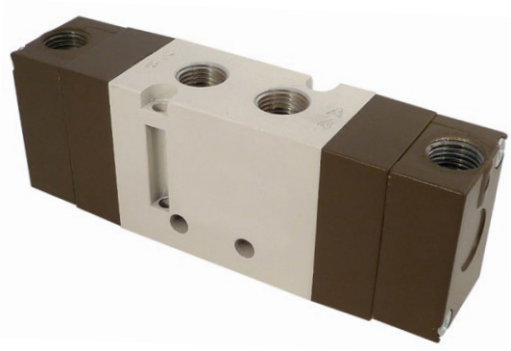


5/2

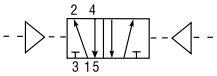


SINGLE REMOTE PILOT

Product No	Port Size (F) NPT	Way / Position	Return Type
80.979	1/8	**5/2**	Single remote pilot
80.982	1/4	**5/2**	Single remote pilot
80.986	3/8	**5/2**	Single remote pilot
80.989	1/2	**5/2**	Single remote pilot



5/2

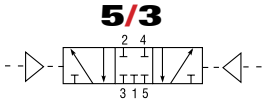


DOUBLE REMOTE PILOT

Product No	Port Size (F) NPT	Way / Position	Return Type
80.980	1/8	**5/2**	Double remote pilot
80.983	1/4	**5/2**	Double remote pilot
80.987	3/8	**5/2**	Double remote pilot
80.990	1/2	**5/2**	Double remote pilot



5/3



DOUBLE REMOTE PILOT / CLOSED CENTER

Product No	Port Size (F) NPT	Way / Position	Return Type
80.984	1/4	**5/3**	Double remote pilot / Closed center
80.988	3/8	**5/3**	Double remote pilot / Closed center

OPTIMA
MANIFOLD BASE KITS

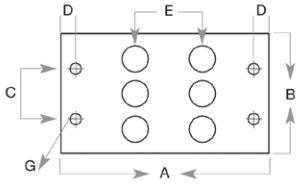
FOR OPTIMA 5/2 AND 5/3 ELECTRIC AND PNEUMATIC VALVES

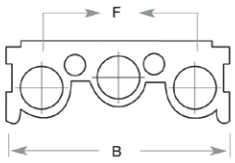






- Manifold base kits allow the mounting of multiple 5/2 and 5/3 valves to a common air source and exhaust outlet
- This mounting method can be used for single and double solenoid valves as well as for both single and double pneumatic pilot valves, in any combination on the same manifold base
- All kits come with mounting hardware and gaskets for the total number of mountable valves per manifold





Product No	Stations	Inlet/Outlet Ports (F) NPT	Valve Port Size (F) NPT	Dimensions (mm)						
				A	B	C	D	E	F	G
80.958.02	2	1/4	1/8	59.0	61.0	20.0	6.0	19.0	39.0	4.5
80.958.03	3	1/4	1/8	78.0	61.0	20.0	6.0	19.0	39.0	4.5
80.958.04	4	1/4	1/8	97.0	61.0	20.0	6.0	19.0	39.0	4.5
80.958.05	5	1/4	1/8	116.0	61.0	20.0	6.0	19.0	39.0	4.5
80.958.06*	6	1/4	1/8	135.0	61.0	20.0	6.0	19.0	39.0	4.5
80.958.08	8	1/4	1/8	173.0	61.0	20.0	6.0	19.0	39.0	4.5
80.958.10*	10	1/4	1/8	211.0	61.0	20.0	6.0	19.0	39.0	4.5
80.968.02	2	1/4	1/4	83.5	68.0	24.0	6.0	27.5	46.0	5.5
80.968.03	3	1/4	1/4	111.0	68.0	24.0	6.0	27.5	46.0	5.5
80.968.04	4	1/4	1/4	138.5	68.0	24.0	6.0	27.5	46.0	5.5
80.968.05	5	1/4	1/4	166.0	68.0	24.0	6.0	27.5	46.0	5.5
80.968.06*	6	1/4	1/4	193.5	68.0	24.0	6.0	27.5	46.0	5.5
80.968.08	8	1/4	1/4	248.5	68.0	24.0	6.0	27.5	46.0	5.5
80.968.10*	10	1/4	1/4	303.5	68.0	24.0	6.0	27.5	46.0	5.5
80.978.02	2	3/8	3/8	93.0	87.0	30.0	6.5	33.0	60.0	6.5
80.978.03	3	3/8	3/8	126.0	87.0	30.0	6.5	33.0	60.0	6.5
80.978.04*	4	3/8	3/8	159.0	87.0	30.0	6.5	33.0	60.0	6.5
80.978.05*	5	3/8	3/8	192.0	87.0	30.0	6.5	33.0	60.0	6.5
80.978.06*	6	3/8	3/8	225.0	87.0	30.0	6.5	33.0	60.0	6.5
80.978.08	8	3/8	3/8	291.0	87.0	30.0	6.5	33.0	60.0	6.5
80.978.10*	10	3/8	3/8	357.0	87.0	30.0	6.5	33.0	60.0	6.5

* Available upon request

Maximum Working Pressure: 145 PSI

Working Temperature: 5 to 60 °C

BLANKING PLATE

Used to seal unused ports on manifolds



Product No	Valve Port Size (F) NPT
80.958.01	**1/8**
80.968.01	**1/4**
80.978.01	**3/8**

MAXPRO VALVES

MAXPRO air control valves offer high flow performance and reliability.

10 000 000 CYCLES

- Compact design
- High flow
- Highly reliable spool technology
- Standard plug connector (DIN type)

Materials

Body: Anodized aluminum
Seals: Oil resistant rubber seals
Spool: Aluminum

Specifications

Fluid: Compressed air (lubricated and oil free)
Working Pressure:
Mechanical and hand control valves: 0 to 128 PSI
Excepted button operated valves: 0 to 130 PSI
Solenoid and pneumatic valves: 22 to 145 PSI
See specifications in the product pages
Working Temperature: -10 to 60 °C
Excepted remote pilot valves: -10 to 80 °C

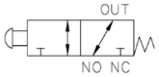


MAXPRO
HAND CONTROL VALVES

PALM BUTTON OPERATED



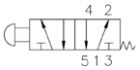
3/2



Product No	Port Size (F) NPT	Way / Position
80.702	1/4	3/2



5/2

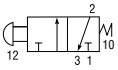


Product No	Port Size (F) NPT	Way / Position
80.712	1/4	5/2

BUTTON OPERATED
(SPRING RETURN)



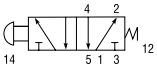
3/2



Product No	Port Size (F) NPT	Way / Position
80.805	1/8	3/2
80.905	1/4	3/2



5/2

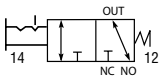


Product No	Port Size (F) NPT	Way / Position
80.815	1/8	5/2
80.915	1/4	5/2

TWIST SELECTOR OPERATED



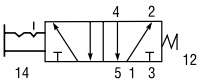
3/2



Product No	Port Size (F) NPT	Way / Position
80.704	1/4	3/2



5/2

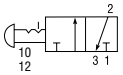


Product No	Port Size (F) NPT	Way / Position
80.714	1/4	5/2

BUTTON OPERATED
(DETENTED)



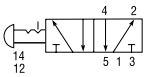
3/2



Product No	Port Size (F) NPT	Way / Position
80.806	1/8	3/2
80.906	1/4	3/2



5/2



Product No	Port Size (F) NPT	Way / Position
80.816	1/8	5/2
80.916	1/4	5/2

MECHANICAL VALVE
ROLLER OPERATED



3/2



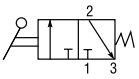
Product No	Port Size (F) NPT	Way / Position
80.701	1/4	3/2

MAXPRO
HAND CONTROL VALVES

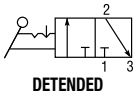
LEVER OPERATED



3/2



SPRING RETURN

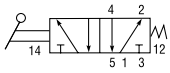


DETENDED

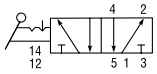
Product No	Port Size (F) NPT	Way / Position	Return Type	Lever
80.807	1/8	**3/2**	Detented	Black
80.817	1/8	**3/2**	Spring return	Red
80.907	1/4	**3/2**	Detented	Black
80.917	1/4	**3/2**	Spring return	Red



5/2



SPRING RETURN

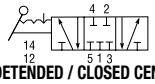


DETENDED

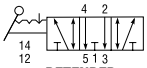
Product No	Port Size (F) NPT	Way / Position	Return Type	Lever
80.925	1/4	**5/2**	Spring return	Red
80.926	1/4	**5/2**	Detented	Black
80.746	3/8	**5/2**	Detented	Black



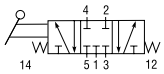
5/3



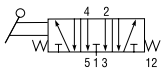
DETENDED / CLOSED CENTER



DETENDED
CLOSED CENTER AT THE EXHAUST



SPRING RETURN / CLOSED CENTER



SPRING RETURN
OPEN CENTER AT THE EXHAUST

Product No	Port Size (F) NPT	Way / Position	Return Type	Lever
80.923	1/4	**5/3**	Spring return / Closed center	Red
80.924	1/4	**5/3**	Spring return / Open center at the exhaust	Red
80.927	1/4	**5/3**	Detented / Closed center	Black
80.928	1/4	**5/3**	Detented / Open center at the exhaust	Black
80.919	3/8	**5/3**	Spring return / Closed center	Red
80.929	3/8	**5/3**	Detended / Closed center	Black

MAXPRO
ELECTRICAL VALVES
SINGLE AND DOUBLE SOLENOID

Specifications

Manual Override: Press-button
Voltage Fluctuation: ± 10 %
Response Time: 0,1 ms
Maximum Cycles/Minute: 600 to 900

Solenoid with **ATEX** certification available upon request

Working Pressure:

Single solenoid 3 ways:
• 1/8: 22 to 114 PSI • 1/4: 29 to 114 PSI

Single solenoid 5 ways:
• 1/8, 1/4 and 3/8: 22 to 114 PSI • 1/2: 29 to 114 PSI

Double solenoid 5 ways: 22 to 114 PSI

Working Temperature:

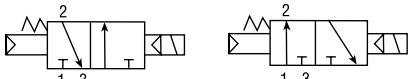
Single solenoid 3 ways:
• 1/8: -10 to 60 °C • 1/4: -10 to 50 °C

Single solenoid 5 ways:
• 1/8: -10 to 50 °C • 1/4, 3/8 and 1/2: -10 to 60 °C

Double solenoid 5 ways:
• 1/8: -10 to 50 °C • 1/4 and 3/8: -10 to 60 °C



3/2



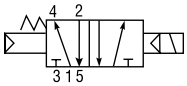
NORMALLY CLOSED NORMALLY OPEN

SINGLE SOLENOID - 3 WAYS / 2 POSITIONS

Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.750	1/8	**3/2**	Normally closed	110 VAC
80.750.03	1/8	**3/2**	Normally closed	24 VDC
80.752	1/4	**3/2**	Normally closed	110 VAC
80.752.03	1/4	**3/2**	Normally closed	24 VDC
80.753	1/4	**3/2**	Normally open	110 VAC
80.753.03	1/4	**3/2**	Normally open	24 VDC



5/2



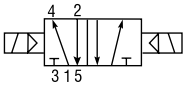
SINGLE SOLENOID

SINGLE SOLENOID - 3 WAYS / 2 POSITIONS

Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.760	1/8	**5/2**	Single solenoid	110 VAC
80.760.03	1/8	**5/2**	Single solenoid	24 VDC
80.761	1/4	**5/2**	Single solenoid	110 VAC
80.761.03	1/4	**5/2**	Single solenoid	24 VDC
80.762	3/8	**5/2**	Single solenoid	110 VAC
80.762.03	3/8	**5/2**	Single solenoid	24 VDC
80.763	1/2	**5/2**	Single solenoid	110 VAC
80.763.03	1/2	**5/2**	Single solenoid	24 VDC



5/2



DOUBLE SOLENOID

DOUBLE SOLENOID - 5 WAYS / 2 POSITIONS

Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.765	1/8	**5/2**	Double solenoid	110 VAC
80.765.03	1/8	**5/2**	Double solenoid	24 VDC
80.766	1/4	**5/2**	Double solenoid	110 VAC
80.766.03	1/4	**5/2**	Double solenoid	24 VDC
80.767	3/8	**5/2**	Double solenoid	110 VAC
80.767.03	3/8	**5/2**	Double solenoid	24 VDC

MAXPRO
ELECTRICAL VALVES
SINGLE AND DOUBLE SOLENOID

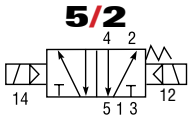
Specifications

Manual Override: Press-button
Voltage Fluctuation: ± 10 %
Response Time: 0,2 ms
Maximum Cycles/Minute: 600 to 900
Working Pressure: 21.3 to 114 PSI

Solenoid with **ATEX** certification available upon request

STAINLESS STEEL SUS 316

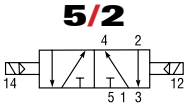




SINGLE SOLENOID

SINGLE SOLENOID - 5 WAYS / 2 POSITIONS				
Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.870	1/4	**5/2**	Single solenoid	110 VAC
80.870.02	1/4	**5/2**	Single solenoid	220 VAC
80.870.03	1/4	**5/2**	Single solenoid	24 VDC
80.875	3/8	**5/2**	Single solenoid	110 VAC
80.875.02	3/8	**5/2**	Single solenoid	220 VAC
80.875.03	3/8	**5/2**	Single solenoid	24 VDC





DOUBLE SOLENOID

DOUBLE SOLENOID - 5 WAYS / 2 POSITIONS				
Product No	Port Size (F) NPT	Way / Position	Type	Voltage
80.871	1/4	**5/2**	Double solenoid	110 VAC
80.871.02	1/4	**5/2**	Double solenoid	220 VAC
80.871.03	1/4	**5/2**	Double solenoid	24 VDC
80.876	3/8	**5/2**	Double solenoid	110 VAC
80.876.02	3/8	**5/2**	Double solenoid	220 VAC
80.876.03	3/8	**5/2**	Double solenoid	24 VDC

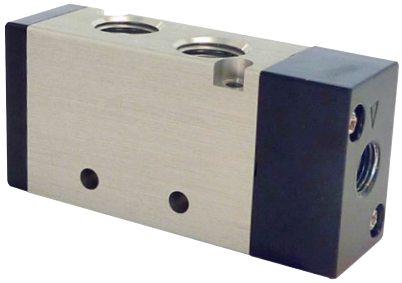
MAXPRO

PNEUMATIC VALVES

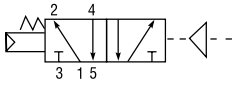
SINGLE AND DOUBLE REMOTE PILOT

Specifications

Working Pressure: 0 to 114 PSI
Working Temperature: -10 to 80 °C
Pilot Port: 1/8 NPT

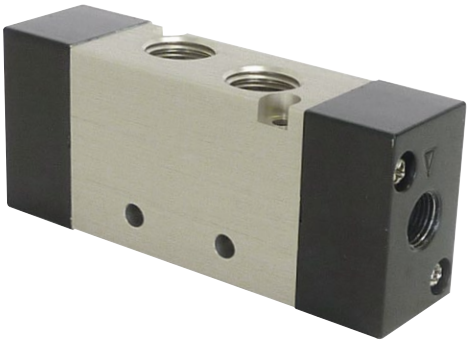


5/2

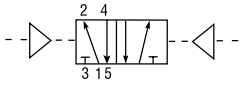


SINGLE REMOTE PILOT

Product No	Port Size (F) NPT	Way / Position	Return Type
80.782	1/4	**5/2**	Single remote pilot



5/2



DOUBLE REMOTE PILOT

Product No	Port Size (F) NPT	Way / Position	Return Type
80.783	1/4	**5/2**	Double remote pilot

HIFLO SOLENOID VALVES 2 WAYS - 2 POSITIONS

- High reliability, low maintenance
- Compact design with high flow
- Double o-ring seal protects coil and valve assembly from moisture and rust for longer service life
- Low noise
- DIN connection
- Zero differential pressure design
- Water hammer free

Applications

General purpose applications and process systems

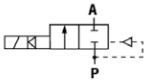
Materials

Valve Body: Brass
Seals: Rubber nitrile
Coil Material: Polyamide

Specifications

Fluids: Compressed air, water, hot water and liquids
Protection Class with Cable Plug: NEMA 4
Working Pressure: 1.5 to 145 PSI
Working Temperature: -10 to 80 °C





NORMALLY CLOSED

Solenoid with **ATEX** certification available upon request

Voltage 120 VAC/60HZ Product No	Voltage 240 VAC/60HZ Product No	Voltage 12 VDC Product No	Voltage 24 VDC Product No	Thread (F) NPT	Flow Cv
80.691	80.691.02	80.691.05	80.691.03	1/4	2.4
80.692	80.692.02	80.692.05	80.692.03	3/8	2.4
80.693	80.693.02	80.693.05	80.693.03	1/2	4.2
80.694	80.694.02	80.694.05	80.694.03	3/4	10.5
80.695	80.695.02	80.695.05	--	1	12.9

AIRFLO SOLENOID VALVES 2 WAYS - 2 POSITIONS

- Normally closed 2 way valves
- DIN connection
- O-ring seal protects coil and valve assembly from moisture and corrosion for longer service life
- High reliability, low maintenance
- Compact design with high flow rates
- Low noise

Applications

General purpose applications and process systems

Materials

Valve Body: Brass
Seals: Rubber nitrile
Coil Material: Aluminum/plastic

Specifications

Fluids: Compressed air, water, hot water and liquids
Maximum Working Pressure: 150 PSI
Working Pressure: 0 to 100 PSI
Working Temperature: -5 °C to 80 °C

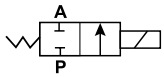
Solenoid with **ATEX** certification available upon request



For models 80.790 to 80.791.05



For models 80.792 to 80.795.05

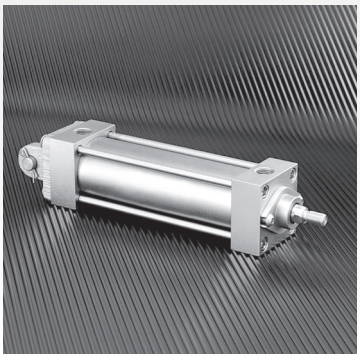
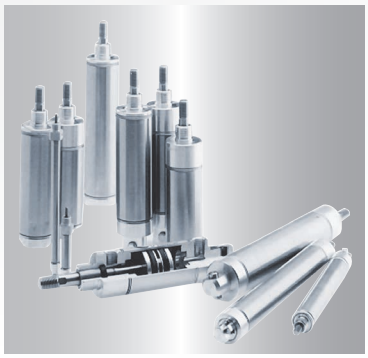


NORMALLY CLOSED

Voltage 110 VAC/60HZ Product No	Voltage 24 VDC Product No	Voltage 12 VDC Product No	Thread (F) NPT	Flow Cv
80.790	80.790.03	80.790.05	1/8	0.10
80.791	80.791.03	80.791.05	1/4	0.18
80.792	80.792.03	80.792.05	3/8	1.00
80.793	80.793.03	80.793.05	1/2	4.00
80.794	80.794.03	80.794.05	3/4	8.60
80.795	80.795.03	80.795.05	1	11.00

NOTES

NFPA pneumatic cylinders



Group 5 • Series 81-83

TOPRING

Compressed air solutions

PNEUMATIC CYLINDERS NFPA

- Meet NFPA standards
- NFPA-MS4 standard mounting styles
- Made of corrosion-resistant aluminum
- Adjustable cushions on both ends
- High strength

Options

- Magnetic piston
- Proximity switches
- High temperature seals
- Stainless steel 304 or 316 piston rod and tie rods



Also available: Special cylinders (see pages 5 and 6)

- Double rod ends
- Adjustable stroke
- Tandem
- 3-position cylinders
- Multistage cylinders
- ISO 6431 cylinders

Wiper
Keeps dirt out for less maintenance and longer service life of the cylinder (urethane) (temperature: -45 °C to 110 °C)

Rod Lips Seal
Designed with a real rod u-cup; completely self-compensating for zero leakage at all pressures

Tie Rods
Corrosion resistant (nitrocarburation), stressproof steel maintains uniform compression on tube end seals

Piston Wear Ring
Made from nylon to reduce friction and to ensure maximum service life in side load applications. Eliminates metal-to-metal contact

Piston
Machined from solid one-piece aluminum bar stock. Offers long bearing support

Solid Aluminum Head & Cap
Machined from solid one-piece aluminum bar stock and black anodized for corrosion resistance



Piston Rod
Medium carbon steel, chrome plated and polished. Two wrench flats are provided for rod end attachment

Rod Gland
Bronze gland is removable without cylinder disassembly for easy maintenance. Designed to provide maximum rod bearing service life

Hard Anodized Aluminum Tube
Provides superior wear resistance and lower friction coefficient for maximum seal service life

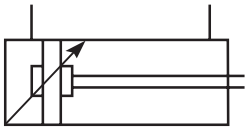
Piston Seals
Lip-type low friction Urethane piston seals are pressure energized and wear compensating for low friction and long service life (-45 °C to 110 °C)

Check Seal Cushion and Needle valves
Precision cushion spuds combine with a new style of floating cushion seal to provide smooth deceleration at end of stroke. Needle valves make adjustments easy

O-Ring Tube End Seals
Nitrile O-ring design is pressure compensating and reusable

PNEUMATIC CYLINDERS NFPA





Stroke (in)	Bore Size (in) ⊘						
	1-1/2 Product No	2 Product No	2-1/2 Product No	3-1/4 Product No	4 Product No	5 Product No	6 Product No
1	81.501	81.601	81.701	81.801	81.901	81.201	81.301
2	81.502	81.602	81.702	81.802	81.902	81.202	81.302
3	81.503	81.603	81.703	81.803	81.903	81.203	81.303
4	81.504	81.604	81.704	81.804	81.904	81.204	81.304
5	81.505	81.605	81.705	81.805	81.905	81.205	81.305
6	81.506	81.606	81.706	81.806	81.906	81.206	81.306
7	81.507	81.607	81.707	81.807	81.907	81.207	81.307
8	81.508	81.608	81.708	81.808	81.908	81.208	81.308
9	81.509	81.609	81.709	81.809	81.909	81.209	81.309
10	81.510	81.610	81.710	81.810	81.910	81.210	81.310
11	81.511	81.611	81.711	81.811	81.911	81.211	81.311
12	81.512	81.612	81.712	81.812	81.912	81.212	81.312
13	81.513	81.613	81.713	81.813	81.913	81.213	81.313
14	81.514	81.614	81.714	81.814	81.914	81.214	81.314
15	81.515	81.615	81.715	81.815	81.915	81.215	81.315
16	81.516	81.616	81.716	81.816	81.916	81.216	81.316
17	81.517	81.617	81.717	81.817	81.917	81.217	81.317
18	81.518	81.618	81.718	81.818	81.918	81.218	81.318
19	81.519	81.619	81.719	81.819	81.919	81.219	81.319
20	81.520	81.620	81.720	81.820	81.920	81.220	81.320
21	81.521	81.621	81.721	81.821	81.921	81.221	81.321
22	81.522	81.622	81.722	81.822	81.922	81.222	81.322
23	81.523	81.623	81.723	81.823	81.923	81.223	81.323
24	81.524	81.624	81.724	81.824	81.924	81.224	81.324

Note: Please add suffix ".01" to order these cylinders with a magnetized piston for usage with a magnetic proximity switch (example: 81.522.01)

MAGNETIC PROXIMITY SWITCHES



Features and benefits

- Actuate when optional piston magnet passes below switch
- One switch for a majority of voltages and cylinder sizes
- Switch bracket and 9 ft cable included

Product No	Voltage Drop	Indicator Light
81.150	3 Volts	LED

Specifications

Voltage Range: 5-240 V AC/DC • 50/60 HZ

Current: 1 A max

Switching Speed: 0.6 MS operated • 0.5 MS release

Working Temperature: -20 to 80 °C

CAUTION

In auto switch (magnetic proximity switch) applications, it is recommended to connect the auto switch to the power source through a load.

PUSH/PULL FORCES

Cylinders provide specific forces based on the piston area and on pressure provided.

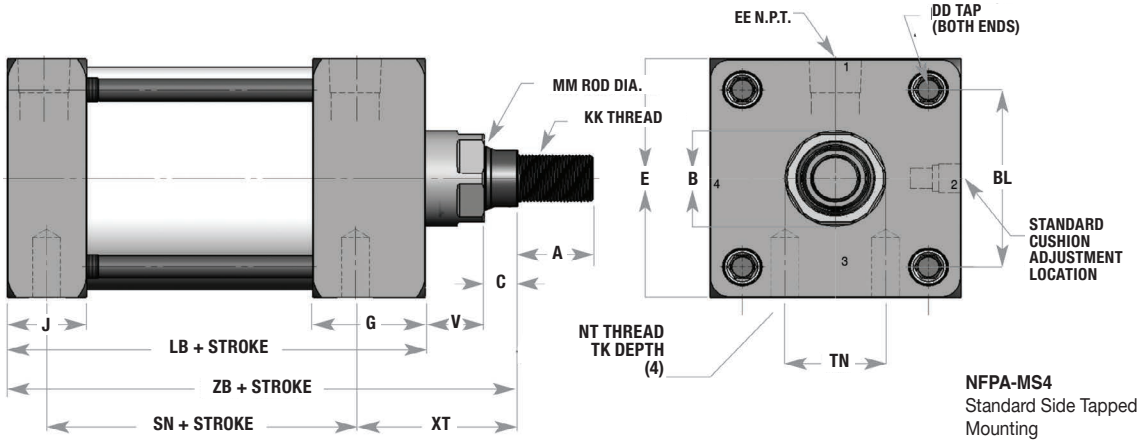
These forces will not be the same for push and pull, since the rod takes up a portion of the area of the piston when pulling.

CAUTION

Selecting the proper cylinder for the application remains the responsibility of the system designer; these forces should be used as a guideline and it is important to do the required tests according to the specific application.

Bore Size ⊘	Rod Size	Push Force (lb)				Pull Force (lb)			
		at 50 PSI	at 100 PSI	at 150 PSI	at 250 PSI	at 50 PSI	at 100 PSI	at 150 PSI	at 250 PSI
1-1/2	5/8	88	177	266	442	73	146	220	365
2	5/8	157	314	471	785	141	283	425	709
2-1/2	5/8	245	491	737	1227	230	460	691	1150
3-1/4	1	415	830	1245	2074	375	751	1127	1878
4	1	628	1257	1886	3142	589	1170	1768	2945
5	1	982	1964	2946	4909	942	1885	2827	4712
6	1-3/8	1413	2827	4241	7069	1337	2679	4018	6697

PNEUMATIC CYLINDERS NFPA



NFPA-MS4
Standard Side Tapped Mounting

⌀ Bore Size	MM Rod Diameter	Dimensions (in)																	
		A	B	BL	C	DD (UNF)	E	EE (F) NPT	G	J	KK (UNF)	LB	V	ZB	SN	XT	NT	TK	TN
1-1/2	5/8	3/4	1-1/8	1.43	3/8	1/4 (28)	2	3/8	1-1/2	1	7/16 (20)	3-5/8	5/8	4-5/8	2-1/4	1-15/16	1/4 (20)	3/8	5/8
2	5/8	3/4	1-1/8	1.84	3/8	5/16 (24)	2-1/2	3/8	1-1/2	1	7/16 (20)	3-5/8	5/8	4-5/8	2-1/4	1-15/16	15/16 (18)	1/2	7/8
2-1/2	5/8	3/4	1-1/8	2.19	3/8	5/16 (24)	3	3/8	1-1/2	1	7/16 (20)	3-3/4	5/8	4-3/4	2-3/8	1-15/16	3/8 (16)	5/8	1-1/4
3-1/4	1	1-1/8	1-1/2	2.78	1/2	3/8 (24)	3-3/4	1/2	1-3/4	1-1/4	3/4 (16)	4-1/4	7/8	5-5/8	2-5/8	2-7/16	1/2 (13)	3/4	1-1/2
4	1	1-1/8	1-1/2	3.32	1/2	3/8 (24)	4-1/2	1/2	1-3/4	1-1/4	3/4 (16)	4-1/4	7/8	5-5/8	2-5/8	2-7/16	1/2 (13)	3/4	2-1/16
5	1	1-1/8	1-1/2	4.12	1/2	1/2 (20)	5-1/2	1/2	1-3/4	1-1/4	3/4 (16)	4-1/2	7/8	5-7/8	2-7/8	2-7/16	5/8 (11)	1	2-11/16
6	1-3/8	1-5/8	2	4.88	5/8	1/2 (20)	6-1/2	3/4	2	1-1/2	1 (14)	5	1	6-5/8	3-1/8	2-13/16	3/4 (10)	1-1/8	3-1/4

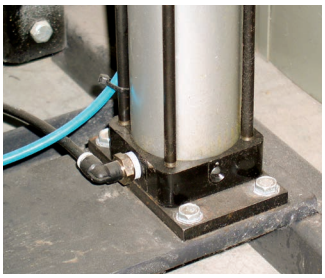
CYLINDER MOUNTING OPTIONS

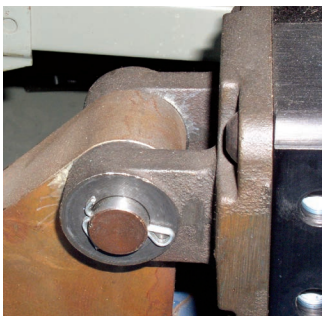
There are various ways to mount a cylinder to equipment, beyond using the standard side tapped mounting style (MS4).

These mounting options can be identified by their NFPA standard codes:

- NFPA-MS1 90º angle bracket
- NFPA-MF1 rectangular head flange
- NFPA-MF2 rectangular cap flange
- NFPA-MP1 cap clevis
- NFPA-MP2 cap clevis high
- NFPA-MP4 cap Eye
- NFPA-MS2 side Lug

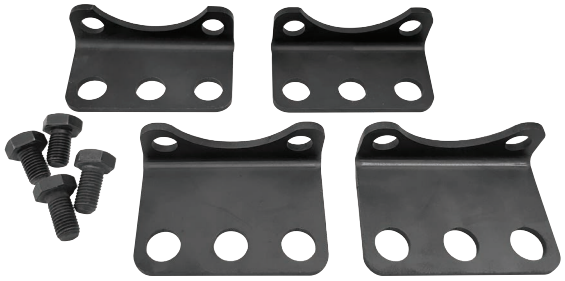
The following pages show the available options that can be used to mount NFP cylinders.



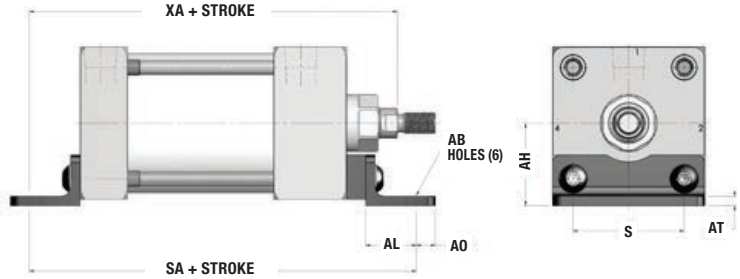


MOUNTING ACCESSORIES FOR PNEUMATIC CYLINDERS NFPA

90° ANGLE BRACKET
NFPA-MS1

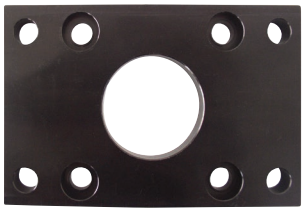


Screws included

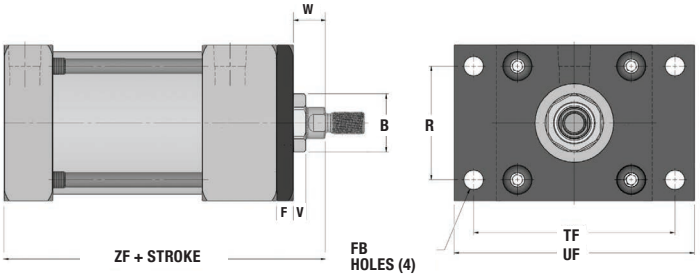


Product No	⌀ Bore Size	Dimensions (in)							
		AB	AH	AL	AO	AT	S	SA	XA
81.560	1-1/2	7/16	1-3/16	1	3/8	1/8	1-3/4	6	5-5/8
81.660	2	7/16	1-7/16	1	3/8	1/8	1-3/4	6	5-5/8
81.760	2-1/2	7/16	1-5/8	1	3/8	1/8	2-1/4	6-1/8	5-3/4
81.860	3-1/4	9/16	1-15/16	1-3/4	1/2	3/16	2-3/4	7-3/8	6-7/8
81.985	4	9/16	2-1/4	1-3/4	1/2	3/16	3-1/2	7-3/8	6-7/8
81.260	5	11/16	2-3/4	1-3/8	5/8	3/16	4-1/4	7-7/8	7-1/4
81.360	6	13/16	3-1/4	1-3/8	5/8	1/4	5-1/4	8-1/2	8

RECTANGULAR HEAD FLANGE
NFPA-MF1

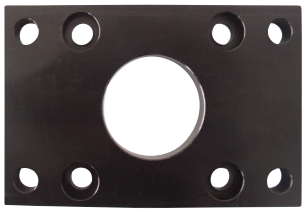


Screws included

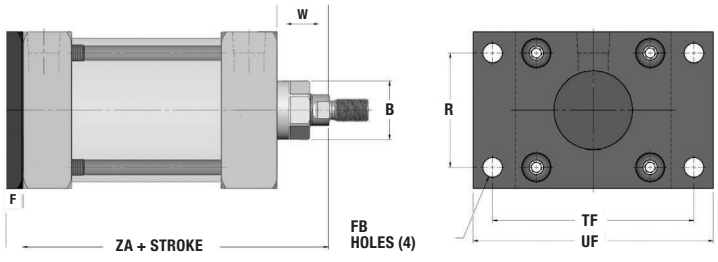


Product No	⌀ Bore Size	Dimensions (in)								
		B	F	FB	R	TF	UF	V	W	ZF
81.550	1-1/2	1-1/8	3/8	5/16	1.43	2-3/4	3 3/8	1/4	5/8	4-5/8
81.650	2	1-1/8	3/8	3/8	1.84	3-3/8	4-1/8	1/4	5/8	4-5/8
81.750	2-1/2	1-1/8	3/8	3/8	2.19	3-7/8	4-5/8	1/4	5/8	4-3/4
81.850	3-1/4	1-1/2	5/8	7/16	2.76	4-11/16	5-1/2	1/4	3/4	5-5/8
81.980	4	1-1/2	5/8	7/16	3.32	5-7/16	6-1/4	1/4	3/4	5-5/8
81.250	5	1-1/2	5/8	9/16	4.10	6-5/8	7-5/8	1/4	3/4	5-7/8
81.350	6	2	3/4	9/16	4.88	7-5/8	8-5/8	1/4	7/8	6-5/8

RECTANGULAR CAP FLANGE
NFPA-MF2



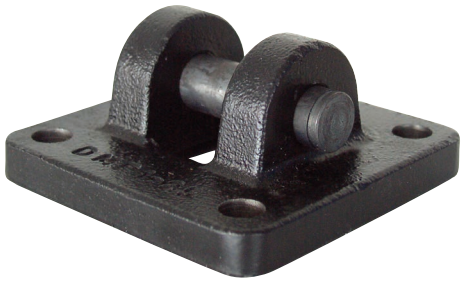
Screws included



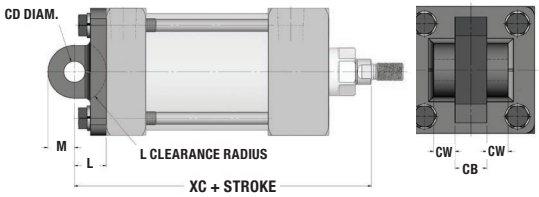
Product No	⌀ Bore Size	Dimensions (in)							
		B	F	FB	R	TF	UF	W	ZA
81.550	1-1/2	1-1/8	3/8	5/16	1.43	2-3/4	3 3/8	1	5
81.650	2	1-1/8	3/8	3/8	1.84	3-3/8	4-1/8	1	5
81.750	2-1/2	1-1/8	3/8	3/8	2.19	3-7/8	4-5/8	1	5-1/8
81.850	3-1/4	1-1/2	5/8	7/16	2.76	4-11/16	5-1/2	1-3/8	6-1/4
81.980	4	1-1/2	5/8	7/16	3.32	5-7/16	6-1/4	1-3/8	6-1/4
81.250	5	1-1/2	5/8	9/16	4.10	6-5/8	7-5/8	1-3/8	6-1/2
81.350	6	2	3/4	9/16	4.88	7-5/8	8-5/8	1-5/8	7-3/8

MOUNTING ACCESSORIES FOR PNEUMATIC CYLINDERS NFPA

CAP CLEVIS
NFPA-MP1

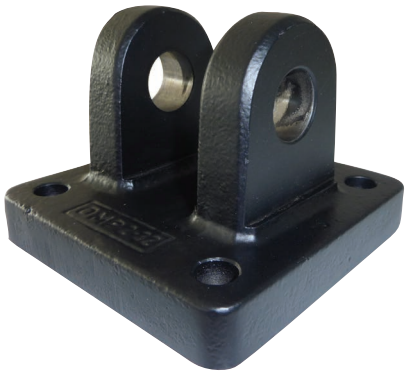


Clevis pin and screws included

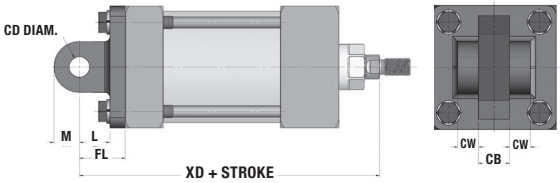


Product No	⌀ Bore Size	Dimensions (in)					
		CB	CD	CW	L	M	XC
81.565	1-1/2	3/4	1/2	1/2	3/4	5/8	5-3/8
81.665	2	3/4	1/2	1/2	3/4	5/8	5-3/8
81.765	2-1/2	3/4	1/2	1/2	3/4	5/8	5-1/2
81.865	3-1/4	1-3/4	3/4	5/8	1-3/4	7/8	6-7/8
81.990	4	1-3/4	3/4	5/8	1-3/4	7/8	6-7/8
81.265	5	1-3/4	3/4	5/8	1-3/4	7/8	7-1/8
81.365	6	1-1/2	1	3/4	1-1/2	1-3/4	8-1/8

CAP CLEVIS HIGH
NFPA-MP2



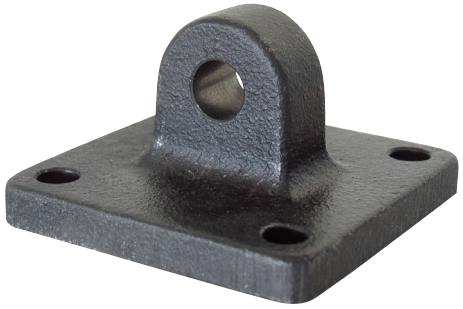
Clevis pin and screws included



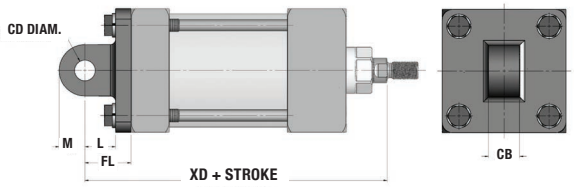
Product No	⌀ Bore Size	Dimensions (in)						
		CB	CD	CW	FL	L	M	XD
81.563	1-1/2	3/4	1/2	1/2	1-1/8	3/4	5/8	5-3/4
81.663	2	3/4	1/2	1/2	1-1/8	3/4	5/8	5-3/4
81.763	2-1/2	3/4	1/2	1/2	1-1/8	3/4	5/8	5-7/8
81.863	3-1/4	1-3/4	3/4	5/8	1-7/8	1-3/4	7/8	7-1/2
81.993	4	1-3/4	3/4	5/8	1-7/8	1-3/4	7/8	7-1/2
81.263	5	1-3/4	3/4	5/8	1-7/8	1-3/4	7/8	7-3/4
81.363	6	1-3/4	1	5/8	2-1/4	1-1/2	1-3/4	8-7/8

MOUNTING ACCESSORIES FOR PNEUMATIC CYLINDERS NFPA

CAP EYE
NFPA-MP4



Screws included

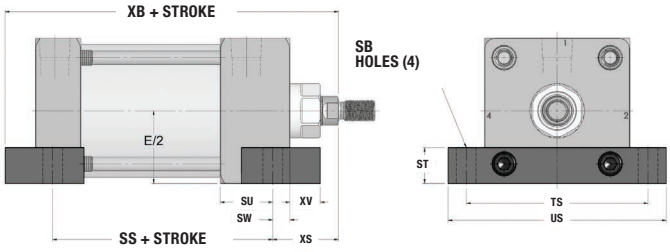


Product No	Bore Size	Dimensions (in)					
		CB	CD	FL	L	M	XD
81.567	1-1/2	3/4	1/2	1-1/8	3/4	5/8	5-3/4
81.667	2	3/4	1/2	1-1/8	3/4	5/8	5-3/4
81.767	2-1/2	3/4	1/2	1-1/8	3/4	5/8	5-7/8
81.867	3-1/4	1-1/4	3/4	1-7/8	1-1/4	7/8	7-1/2
81.996	4	1-1/4	3/4	1-7/8	1-1/4	7/8	7-1/2
81.267	5	1-1/4	3/4	1-7/8	1-1/4	7/8	7-3/4
81.367	6	1-1/2	1	2-1/4	1-1/2	1-1/8	8-7/8

SIDE LUG
NFPA-MS2



Screws included



Product No	Bore Size	Dimensions (in)									
		SB	SS	ST	SU	SW	TS	US	XB	XS	XV
81.562	1-1/2	13/32	2-7/8	9/16	5/8	3/8	2-3/4	3-1/2	5-1/8	1-3/8	1/2
81.662	2	13/32	2-7/8	5/8	5/8	3/8	3-1/4	4	5-1/4	1-3/8	5/8
81.762	2-1/2	13/32	3	3/4	5/8	3/8	3-3/4	4-1/2	5-3/8	1-3/8	5/8
81.862	3-1/4	17/32	3-1/4	1	3/4	1/2	4-3/4	5-3/4	6-3/8	1-7/8	3/4
81.982	4	17/32	3-1/4	1	3/4	1/2	5-1/2	6-1/2	6-3/8	1-7/8	3/4
81.262	5	25/32	3-1/8	1-3/4	9-16	11/16	6-7/8	8-1/4	6-13/16	2-1/16	15/16
81.362	6	25/32	3-5/8	1-1/2	7/8	11/16	7-7/8	9-1/4	7-9/16	2-5/16	15/16

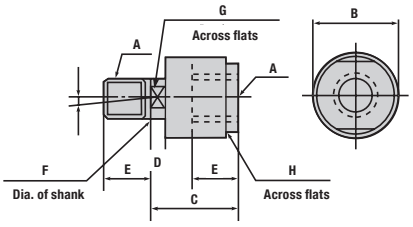
ACCESSORIES FOR PNEUMATIC CYLINDERS NFPA

SELF-ALIGNING ROD-END COUPLERS

- Prevent binding of cylinders
- Permit greater tolerance between center line of the cylinder and mating par
- Reduce cylinder and component wear
- All couplers are heat treated for higher corrosion and wear resistance



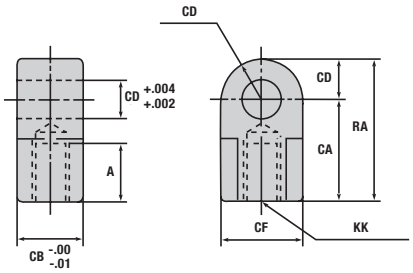
Product No	Bore Size	Dimensions (in)							
		A	B	C	D	E	F	G	H
81.010	1-1/2 • 2 • 2-1/2	7/16-20	1.25	2.0	0.50	0.75	0.62	9/16	1.12
81.015	3 1/4 • 4 • 5	3/4-16	1.75	2.31	0.31	1.12	0.97	7/8	1.50
81.020	6	1-14	2.50	2.94	0.50	1.62	1.38	1-3/4	2.25



EYE ROD END TYPE T



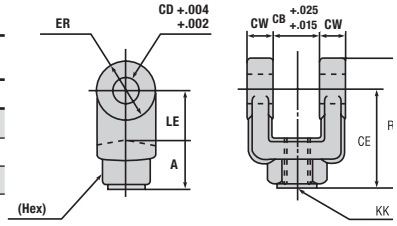
Product No	Bore Size	Dimensions (in)						
		A	CA	CB	CD	CF	KK	RA
81.575	1-1/2 • 2 • 2-1/2	3/4	1-1/2	3/4	1/2	1	7/16-20	2
81.675	3 1/4 • 4 • 5	1-1/8	2 1/16	1-3/4	3/4	1-1/2	3/4-16	2 13/16
81.875	6	1 5/8	2 13/16	1-1/2	1	2	1-14	3 13/16



CLEVIS ROD END TYPE Y WITH PIVOT PIN



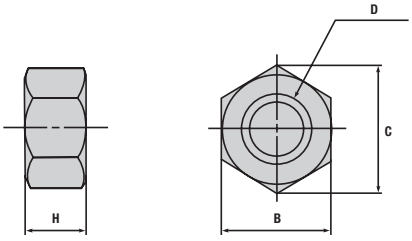
Product No	Bore Size	Dimensions (in)								
		A	CE	CB	CD	CW	ER	KK	LE	RA
81.570	1-1/2 • 2 • 2-1/2	3/4	1-1/2	3/4	1/2	1/2	1/2	7/16 (20)	3/4	2
81.870	3-1/4 • 4 • 5	1-1/8	2-3/8	1-1/4	3/4	5/8	3/4	3/4 (16)	1-1/4	3-1/8
81.370	6	1-5/8	3-1/8	1-1/2	1	3/4	1	1 (14)	1-1/2	4-1/8



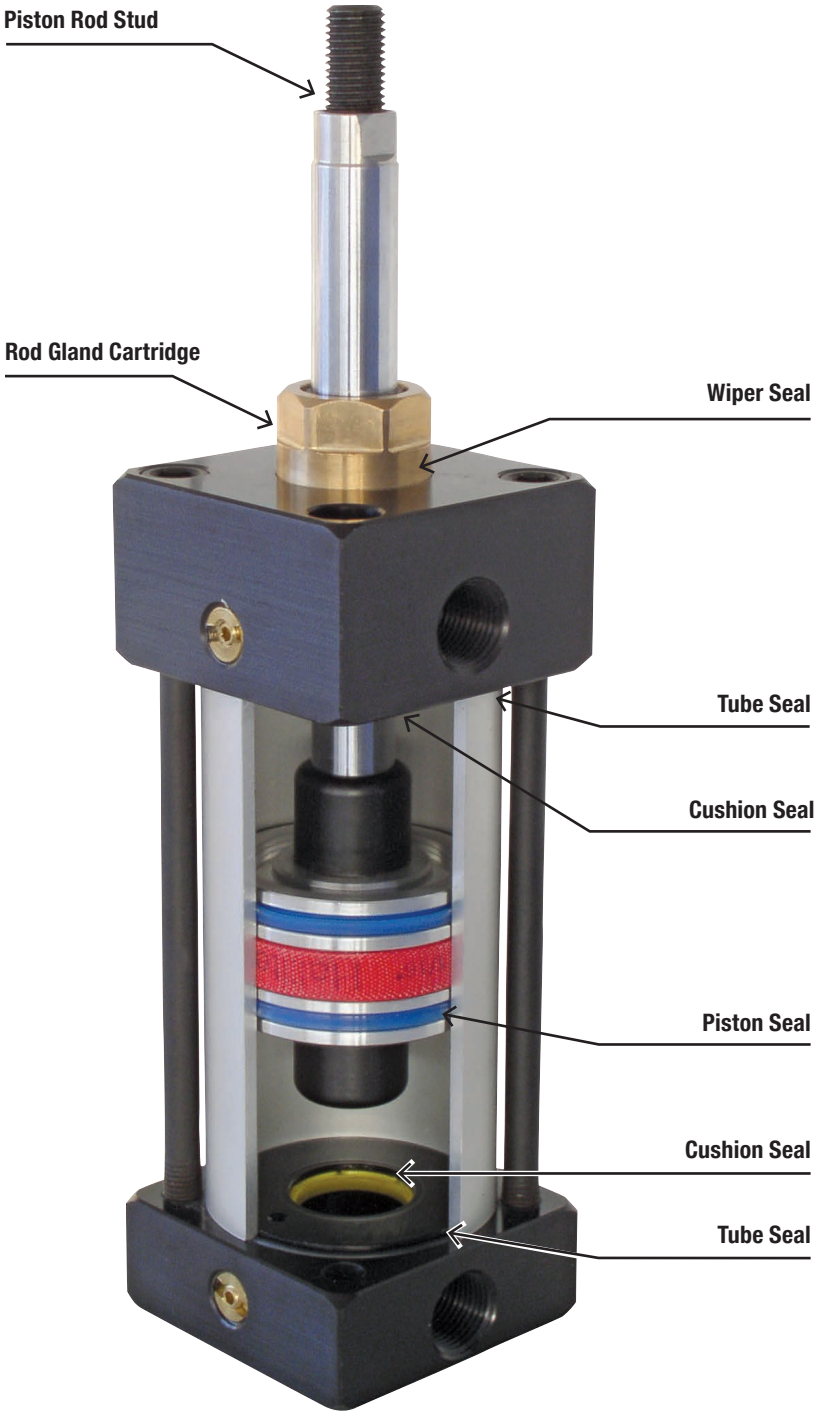
LOCK NUT



Product No	Bore Size	Dimensions (in)			
		D	H	B	C
81.576	1-1/2 • 2 • 2-1/2	7/16 (20)	1/4	11/16	0.79
81.676	3-1/4 • 4 • 5	3/4 (16)	27/64	1-1/8	1.30
81.876	6	1 (14)	31/64	1-9/32	1.46



REPLACEMENT PARTS FOR NFPA PNEUMATIC CYLINDERS



CYLINDER SEAL KITS

Includes wiper seal, tube seal, cushion seal and piston seal.

Product No	⊘ Bore Size
81.052	1-1/2
81.057	2
81.062	2-1/2
81.067	3-1/4
81.072	4
81.077	5
81.082	6

ROD GLAND CARTRIDGE

Product No	⊘ Bore Size
81.032	1-1/2 • 2 • 2-1/2
81.037	3-1/4 • 4 • 5
81.042	6

PISTON ROD STUD

Product No	⊘ Rode Diameter
81.001	5/8
81.002	1

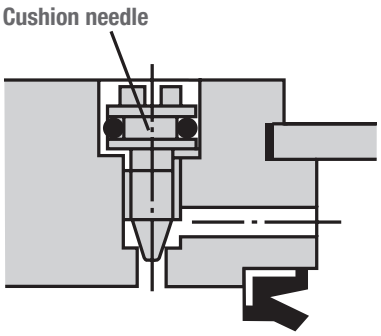
PNEUMATIC CYLINDERS NFPA

CUSHIONING ADJUSTMENT

Cushioning is adjusted prior to shipment, but the cushion effect may change due to cylinder speed, load and inertial force.

When necessary, adjust the cushion needle as follows: turn cushion needle to the left or right, and adjust speed at stroke end so that shock is minimal and operation smoothness is optimal.

Turning to the left (right) opens (closes) the cushion needle.



CAUTION

TOPRING pneumatic cylinders are intended for use in industrial compressed air systems only. They must not be used where pressure or temperature may exceed maximum rated operating conditions (see specifications). In lubricated applications, some oil mist may escape from the point of use into the surrounding atmosphere.

Specifications

Working Fluid: Air

Working Pressure: 15 to 250 PSI

Lubrication: Not required

Working Temperature: -45 to 110 °C

CYLINDER SPEED ADJUSTMENT

Maximum cylinder operating speed is 25 inches/sec. If the speed is exceeded, the rod gland and seals will wear rapidly and the shock at stroke-end will increase. The result is shortened cylinder life and susceptibility to malfunction.

If cylinder speed is too low, the result will be sticking, slipping and unstable operation.

Cylinder speed varies depending on supply and exhaust tube diameter, air pressure, flow rate and load, and therefore must be adjusted to suit the intended use.

Adjustment is normally done using a speed control valve, but this is not always enough, and other factors may have to be considered (air pressure, load).

Tightening torque for tie rod nut

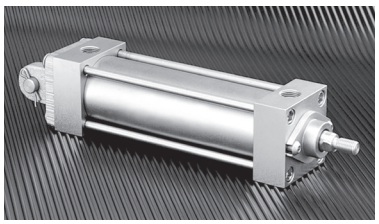
Bore Size	Tie Rod Thread	Tightening Torque lb - ft
1-1/2	1/4 (28)	5
2 • 2-1/2	5/16 (24)	11
3-1/4 • 4	3/8 (24)	25
5 • 6	1/2 (20)	60

PNEUMATIC CYLINDERS NFPA FOR SPECIAL APPLICATIONS

STAINLESS STEEL 304 OR 316

Stainless steel cylinders for use in food and drug-related industries

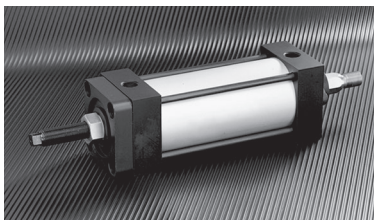
Standard stainless steel piston rod and tie rods



ADJUSTABLE STROKE RETURN TYPE

Return stroke stop position is infinitely adjustable within the adjustment range

Bore sizes available from 1-1/2 to 6 in

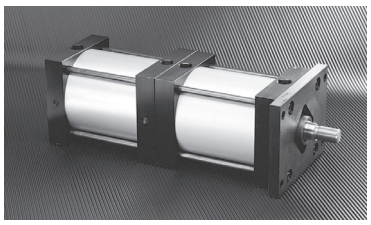


TANDEM CYLINDER

Single piston rod (two positions)

Double the force on the extend stroke

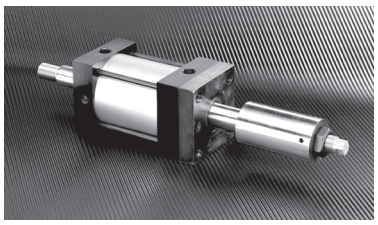
Bore sizes available from 1-1/2 to 6 in



ADJUSTABLE STROKE EXTENDED, DOUBLE ROD TYPE

Extended stroke stop position is infinitely adjustable within the adjustment range

Bore sizes available from 1-1/2 to 6 in

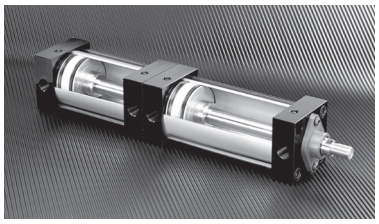


DUAL STROKE CYLINDER

Three positions from a single cylinder

Double the force on the extend stroke

Bore sizes available from 1-1/2 to 6 in

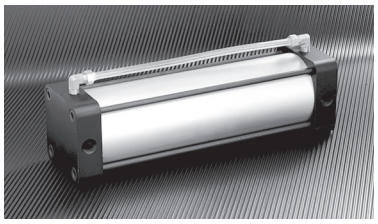


AIR/OIL TANK

Internal baffles reduce foaming and aeration of the oil, resulting in maximum cylinder control

Sight tube available

Bore sizes available in 2-1/2, 3-1/4, 4 and 5 in



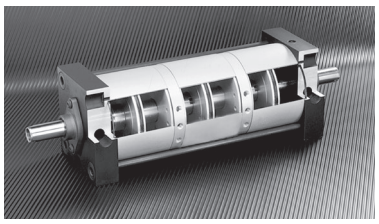
MULTI-STAGE DOUBLE ROD ONLY

Multiple piston with 2 to 5 times the force of a standard cylinder

Can replace large bore cylinders or hydraulic systems

Reduces system costs

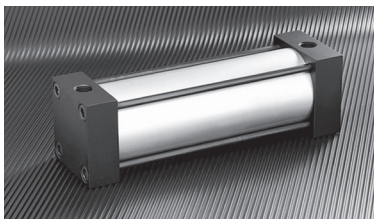
Bore sizes available in 3-1/4, 4, 5, and 6 in



VOLUME CHAMBER

Reservoir for extra air when needed in a pneumatic system

Available in all bore sizes



PNEUMATIC CYLINDERS ISO / VDMA

- Meet worldwide standards (ISO 6431), VDMA 24562
- Bore sizes: 32, 40, 50, 63, 80, 100, 125, 160, 200 mm
- Standard stroke lengths: 25 mm to 500 mm
- Corrosion-resistant extruded aluminum body
- Rated for 145 PSI at operating temperatures from -30 to 80 °C
- Available with many mounting styles
- Available with magnetic piston and limit switches
- Available with various seal and rod materials
- Pneumatic cylinders ISO/VDMA available upon request



STAINLESS STEEL PNEUMATIC CYLINDERS

- Single and double acting units available in a variety of strokes and mounting styles
- Dimensionally interchangeable with other major brands, allowing for model and mounting retrofits
- Pre-lubricated: all cylinders are lubricated with a special high-endurance oil
- Pre-tested: each cylinder is tested for leakage

Specifications

Maximum Working Pressure: 250 PSI

Working Temperature: -29 to 93 °C

Fluid: Air

Lubrication: Not required

Materials

Cylinder Body: 304 Stainless steel for exceptional wear and corrosion resistance and prolong life service

Piston Rod: 303 Stainless steel - All rods have wrench flats

Piston and Caps: High strength aluminum alloy

Rod Guide Bushing: Oil-impregnated bronze bushing increases the service life of the cylinder rod and provides a better seamline surface

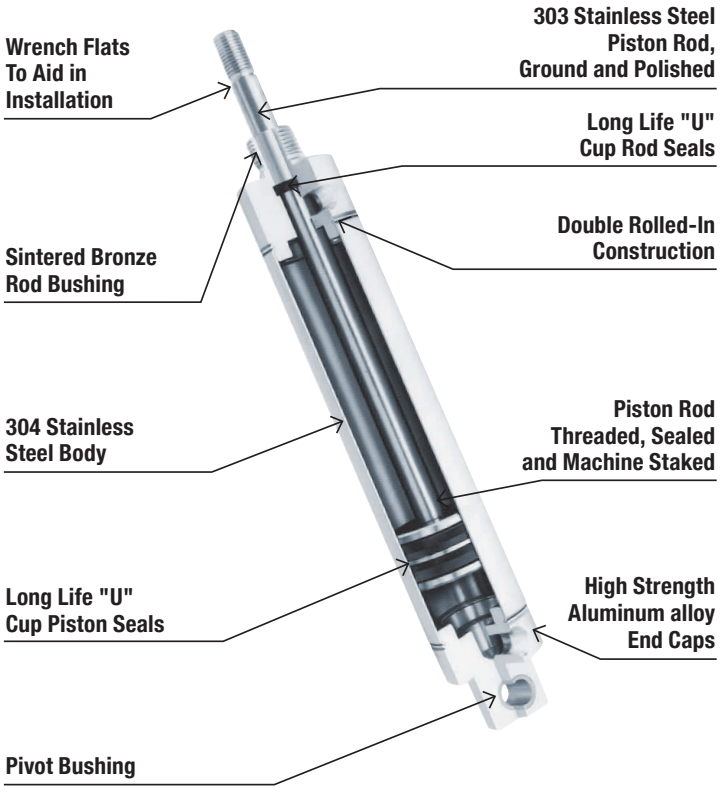
Spring: Piano wire spring designed for millions of cycles

Seals: Rubber nitrile seals ensure low breakaway friction and leak-free operation

Piston Rod Assembly: Piston rods are threaded, anaerobically sealed, and machine staked into the piston for triple protection

Optional: Viton® seals, magnetic switches and bumpers





⊘ Bore Size	Push Forces (lb)				Pull Forces (lb)			
	at 50 PSI	at 100 PSI	at 150 PSI	at 200 PSI	at 50 PSI	at 100 PSI	at 150 PSI	at 200 PSI
3/4	22.0	44	66.0	88	19.5	39	58.5	78
1-1/16	44.5	89	133.5	178	40.5	81	121.5	162
1-1/4	61.5	123	184.5	246	53.5	107	160.5	214
1-1/2	88.5	177	265.5	354	81.0	162	243.0	324
2	157.0	314	471.0	628	141.0	283	424.0	566

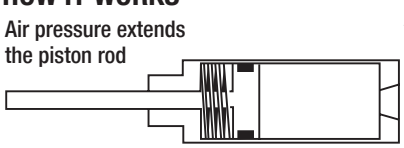
STAINLESS STEEL SINGLE ACTING PNEUMATIC CYLINDERS

Cylinder operation

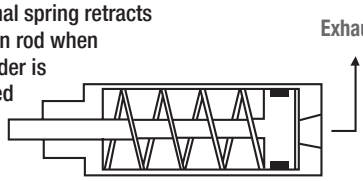
The piston rod is extended by pneumatic pressure and is mechanically returned to the retracted position by a spring within the cylinder.

HOW IT WORKS

Air pressure extends the piston rod

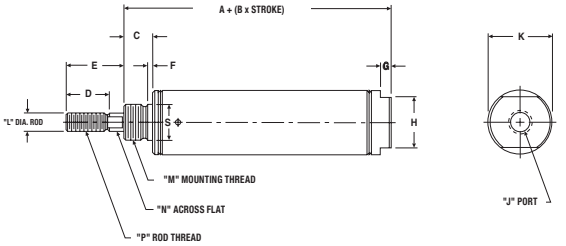


An internal spring retracts the piston rod when the cylinder is exhausted



NOSE MOUNT



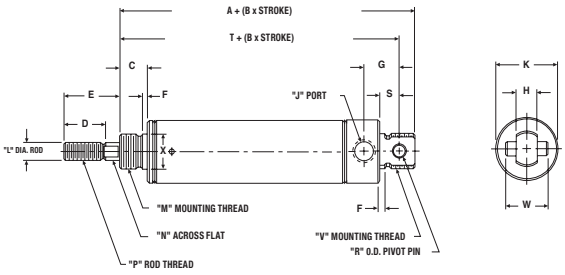


Stroke (in)	Bore Size (in) ⊘ 3/4 Product No	1-1/16 Product No	1-1/4 Product No	1-1/2 Product No
1	83.401	83.501	83.601	83.701
2	83.403	83.503	83.603	83.703
3	83.405	83.505	83.605	83.705
4	83.407	83.507	83.607	83.707

Bore Size ⊘	Dimensions (in) A	B	C	D	E	F	G	H	J (NPT)	K	L	M	N	P	S
3/4	1.50	1.68	0.43	0.50	0.50	0.05	0.18	0.62	1/8	0.81	0.25	1/2 (20)	0.21	1/4 (28)	0.50
1-1/16	1.93	1.56	0.50	0.50	0.50	0.06	0.18	0.87	1/8	1.12	0.31	5/8 (18)	0.25	5/16 (24)	0.62
1-1/4	2.40	1.81	0.62	0.75	1.00	0.09	0.18	0.87	1/8	1.34	0.43	3/4 (16)	0.37	7/16 (20)	0.75
1-1/2	2.18	1.68	0.62	0.75	1.00	0.09	0.25	0.87	1/8	1.56	0.43	3/4 (16)	0.37	7/16 (20)	0.75

UNIVERSAL MOUNT





Stroke (in)	Bore Size (in) ⊘ 3/4 Product No	1-1/16 Product No	1-1/4 Product No	1-1/2 Product No
1	83.421	83.521	83.621	83.721
2	83.423	83.523	83.623	83.723
3	83.425	83.525	83.625	83.725
4	83.427	83.527	83.627	83.727

Bore Size ⊘	Dimensions (in) A	B	C	D	E	F	G	H	J (NPT)	K	L	M	N	P	R	S	T	V	W	X
3/4	2.56	1.68	0.43	0.50	0.50	0.05	0.62	0.37	1/8	+	0.25	1/2 (20)	0.21	1/4 (28)	0.25	0.34	2.28	5/8 (18)	0.75	0.50
1-1/16	2.81	1.56	0.50	0.50	0.50	0.06	0.62	0.37	1/8	1.12	0.31	5/8 (18)	0.25	5/16 (24)	0.25	0.34	2.53	5/8 (18)	0.75	0.62
1-1/4	3.53	1.81	0.62	0.75	1.00	0.09	0.71	0.50	1/8	1.34	0.43	3/4 (16)	0.37	7/16 (20)	0.25	0.40	3.12	3/4 (16)	0.87	0.75
1-1/2	3.25	1.68	0.62	0.75	1.00	0.09	0.81	0.62	1/8	1.56	0.43	3/4 (16)	0.37	7/16 (20)	0.37	0.50	2.87	◇	1.00	0.75

+ 3/4" Bore Front Head Diameter = 0.81", Read Head Diameter = 0.86" ◇ 1.00" Diameter Unthreaded

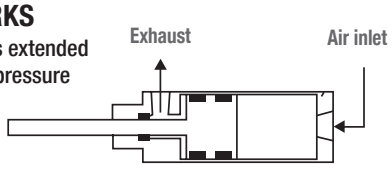
STAINLESS STEEL DOUBLE ACTING PNEUMATIC CYLINDERS

Cylinder operation

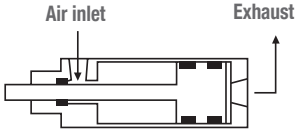
By alternately applying air pressure to the blind end and rod end of a double-acting cylinder, a reciprocating push and pull type output is obtained.

HOW IT WORKS

The piston rod is extended by directing air pressure to the blind end of the cylinder

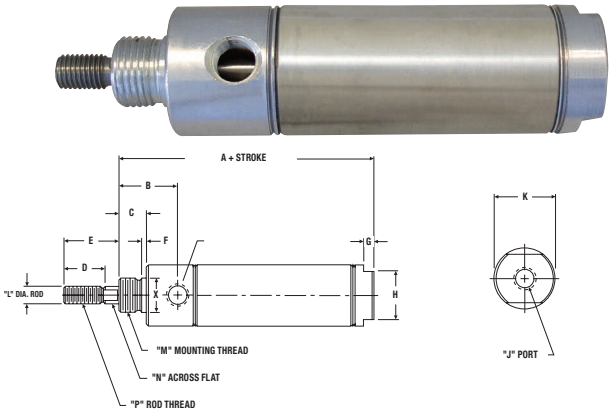


The piston rod retracts when air pressure is directed to the rod end of the cylinder



NOSE MOUNT

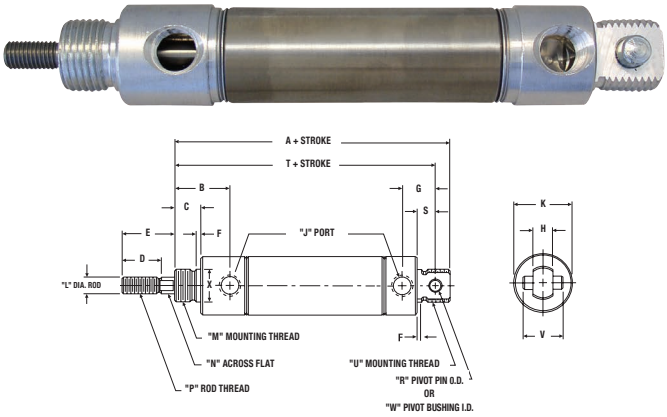
Stroke (in)	Bore Size (in) ⊘ 3/4 Product No	1-1/16 Product No	1-1/4 Product No	1-1/2 Product No	2 Product No
1	83.441	83.541	83.641	83.741	83.961
2	83.443	83.543	83.643	83.743	83.963
3	83.445	83.545	83.645	83.745	83.965
4	83.447	83.547	83.647	83.747	83.967
5	83.449	83.549	83.649	83.749	83.969
6	83.451	83.551	83.651	83.751	83.971
8	83.453	83.553	83.653	83.753	83.973
10	83.455	83.555	83.655	83.755	83.975
12	83.457	83.557	83.657	83.757	83.977



Bore Size ⊘	Dimensions (in) A	B	C	D	E	F	G	H	J (NPT)	K	L	M	N	P	X
3/4	2.96	0.96	0.50	0.50	0.50	0.06	0.18	0.62	1/8	0.86	0.25	5/8 (18)	0.21	1/4 (28)	0.62
1-1/16	3.12	1.06	0.50	0.50	0.50	0.09	0.18	0.87	1/8	1.12	0.31	5/8 (18)	0.25	5/16 (24)	0.62
1-1/4	3.75	1.18	0.62	0.75	1.00	0.09	0.18	0.87	1/8	1.34	0.43	3/4 (16)	0.37	7/16 (20)	0.75
1-1/2	3.43	1.25	0.62	0.75	1.00	0.09	0.25	0.87	1/8	1.56	0.43	3/4 (16)	0.37	7/16 (20)	0.75
2	4.31	1.50	0.81	0.87	1.25	0.10	0.25	1.25	1/4	2.09	0.62	1-1/4 (12)	0.56	1/2 (20)	1.37

UNIVERSAL MOUNT

Stroke (in)	Bore Size (in) ⊘ 3/4 Product No	1-1/16 Product No	1-1/4 Product No	1-1/2 Product No	2 Product No
1	83.461	83.561	83.661	83.761	83.861
2	83.463	83.563	83.663	83.763	83.863
3	83.465	83.565	83.665	83.765	83.865
4	83.467	83.567	83.667	83.767	83.867
5	83.469	83.569	83.669	83.769	83.869
6	--	83.571	83.671	83.771	83.871
8	--	83.573	83.673	83.773	83.873
10	--	83.575	83.675	83.775	83.875
12	--	83.577	83.677	83.777	83.877



Bore Size ⊘	Dimensions (in) A	B	C	D	E	F	G	H	J (NPT)	K	L	M	N	P	R	S	T	U	V	W	X
3/4	4.03	0.96	0.50	0.50	0.50	0.06	0.62	0.37	1/8	0.86	0.25	5/8 (18)	0.21	1/4 (28)	0.25	0.34	3.75	5/8 (18)	0.75	---	0.62
1-1/16	4.00	1.06	0.50	0.50	0.50	0.09	0.62	0.37	1/8	1.12	0.31	5/8 (18)	0.25	5/16 (24)	0.25	0.34	3.71	5/8 (18)	0.75	---	0.62
1-1/4	4.87	1.18	0.62	0.75	1.00	0.09	0.71	0.50	1/8	1.34	0.43	3/4 (16)	0.37	7/16 (20)	0.25	0.40	4.46	3/4 (16)	0.87	---	0.75
1-1/2	4.50	1.25	0.62	0.75	1.00	0.09	0.81	0.62	1/8	1.56	0.43	3/4 (16)	0.37	7/16 (20)	0.37	0.50	4.12	◇	1.00	---	0.75
2	5.68	1.50	0.81	0.87	1.25	0.10	0.93	0.75	1/4	2.09	0.62	1-1/4 (12)	0.56	1/2 (20)	---	0.56	5.25	1-1/4 (12)	---	0.37	1.37

◇ 1.00" Diameter Unthreaded

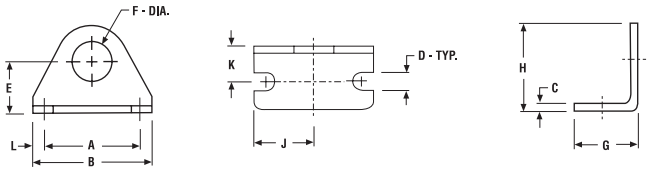
ACCESSORIES FOR STAINLESS STEEL PNEUMATIC CYLINDERS

FOOT BRACKETS

Mounting nut included



Product No	Bore Size	Simple Acting	Double Acting
83.015	3/4	•	
83.020	3/4		•
83.020	1-1/16	•	•
83.025	1-1/4	•	•
83.025	1-1/2	•	•
83.030	2		•

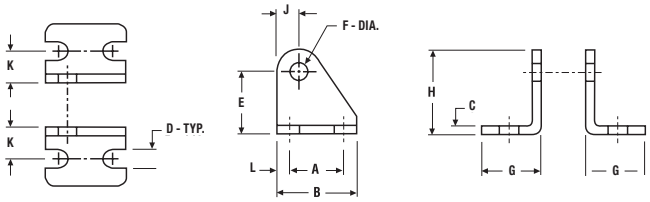


Product No	Dimensions (in)										
	A	B	C	D	E	F	G	H	J	K	L
83.015	1.25	1.62	0.10	0.18	0.68	0.50	0.75	1.09	0.81	0.43	0.18
83.020	1.50	1.87	0.12	0.28	0.81	0.62	1.00	1.37	0.93	0.56	0.18
83.025	1.87	2.50	0.15	0.28	1.00	0.75	1.50	1.75	1.25	0.75	0.31
83.030	2.25	3.12	0.25	0.34	1.50	1.37	1.62	2.56	1.56	1.00	0.43

PIVOT BRACKETS



Product No	Bore Size
83.035	3/4 (Pin not included)
83.035	1-1/16 (Pin not included)
83.035	1-1/4 (Pin not included)
83.040	1-1/2 (Pin not included)
83.045	2 (Pin included)



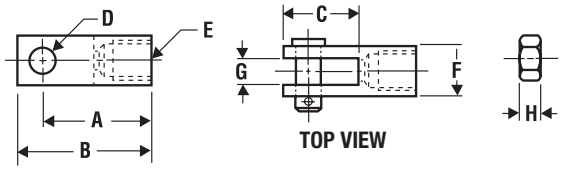
Product No	Dimensions (in)										
	A	B	C	D	E	F	G	H	J	K	L
83.035	0.75	1.12	0.12	0.26	0.87	0.25	0.81	1.18	0.31	0.43	0.18
83.040	1.00	1.50	0.12	0.26	1.37	0.37	1.00	1.75	0.37	0.62	0.25
83.045	1.00	1.50	0.25	0.34	1.37	0.37	1.12	1.75	0.37	0.68	0.25

ROD CLEVIS

Mounting nut included



Product No	Bore Size
83.050	3/4
83.055	1-1/16
83.060	1-1/4
83.060	1-1/2
83.065	2

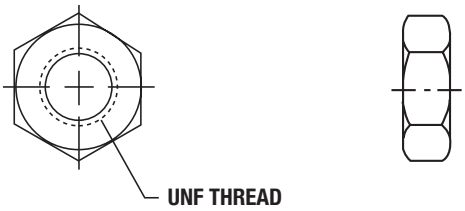


Product No	Dimensions (in)							
	A	B	C	D	E	F	G	H
83.050	0.93	1.18	0.68	0.25	1/4-28	0.50	0.25	0.15
83.055	0.93	1.18	0.68	0.25	5/16-24	0.50	0.25	0.18
83.060	1.31	1.68	0.93	0.37	7/16-20	0.75	0.37	0.25
83.065	1.31	1.68	0.93	0.37	1/2-20	0.75	0.37	0.37

MOUNTING NUTS



Product No	Bore Size	A
83.072	3/4 (single acting)	1/2 - 20
83.074	3/4	5/8 - 18
83.074	1-1/16	5/8 - 18
83.076	1-1/4	3/4 - 16
83.076	1-1/2	3/4 - 16
83.078	2	1-1/4 - 12



Flow controls and valves









Group 5 • Series 85

TOPRING

Compressed air solutions

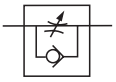
PRECISION IN-LINE FLOW CONTROL VALVES
(WITH BUILT-IN CHECK VALVE)

- For precise control of cylinder speeds, even at low speed
- Controlled flow of air in one direction, and maximum flow in opposite direction
- Can be mounted in-line
- Retaining lock nut prevents accidental loss of needle

Material
Body: Aluminum alloy

Specifications
Fluid: Compressed air
Working Pressure: 0 to 140 PSI
Working Temperature: -10 to 80 °C





Product No	Thread (F) NPT	Airflow Cv
85.540	1/4	0.33
85.542	3/8	2.05
85.544	1/2	2.60

PRECISION IN-LINE FLOW CONTROL VALVES
(WITH BUILT-IN CHECK VALVE)

- For precise control of cylinder speeds even at low speed
- Controlled flow of air in one direction and maximum flow in opposite direction
- Can be mounted in-line
- Retaining lock nut prevents accidental loss of needle

Materials
Body: Aluminum - zinc alloy
Needle: Brass
Diaphragm: Nitrile rubber

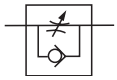
Specifications
Fluids: Compressed air and vacuum
Working Pressure: 7 to 145 PSI
Working Temperature: 5 to 60 °C



85.505



85.535



Product No	Thread (F) NPT	Airflow SCFM	Applicable Cylinder Bore Size (in)	Number of Needle Rotations
85.505	1/8	12	3/4 to 1-1/4	9
85.510	1/4	12	3/4 to 1-1/4	9
85.515	1/4	28.6	1-1/4 to 2-1/2	8
85.520	3/8	28.6	1-1/4 to 2-1/2	8
85.525	1/4	59	1-1/2 to 4	8
85.530	3/8	59	1-1/2 to 4	8
85.535	1/2	59	1-1/2 to 4	8

QUICK EXHAUST VALVES

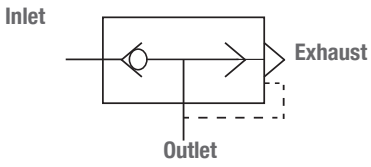
The quick exhaust valve added to a pneumatic circuit increases the exhaust capacity of the system.
This permits greater cylinder speeds without increasing the size of the control valve.

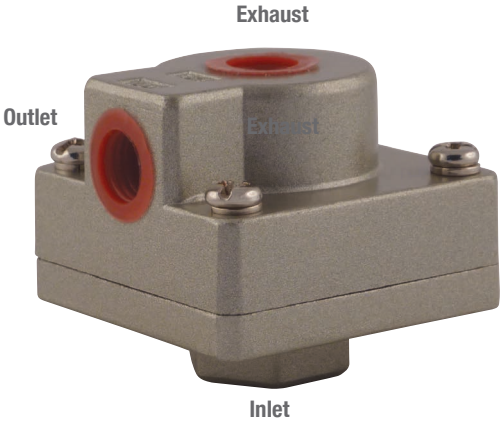
- Allow fast cylinder returns
- Designed to give quick exhaust by unrestricted airflow to the atmosphere so that back pressure will disperse in the shortest possible time
- High flow capacity and performance
- Compact and lightweight
- Easy installation directly to cylinder port (with a suitable connector)

Materials

Body: Aluminum Alloy

Diaphragm and Seal:
85.616 to 85.636: Nitrile rubber
85.640 to 85.648: Polyurethane





Specifications

Fluid: Compressed air

Working Pressure: 7 to 145 PSI

Ambient and Fluid Temperature: 5 to 60 °C

Product No	Thread (F) NPT	Airflow* SCFM
85.616	1/4	42
85.626	3/8	88
85.636	1/2	141

* At 73 PSI



Specifications

Fluid: Compressed air

Working Pressure: 7 to 140 PSI

Ambient and Fluid Temperature: -10 to 80 °C

Product No	Thread (F) NPT	Airflow* SCFM
85.640	1/8	31
85.642	1/4	64
85.644	3/8	81
85.646	1/2	106
85.648	3/4	136

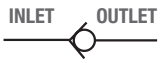
* At 88 PSI

IN-LINE CHECK VALVES

Ideal for safety purposes – prevent pressure loss in the event of air supply failures or air supply shutoff.
Check valves allow free flow from the inlet to the work port and block flow in the other direction

IN-LINE CHECK VALVES





Product No	Thread (M) NPT
85.650	1/4
85.655	3/8

Materials

Body: Brass

Spring: Stainless steel

O-ring: Viton® (FKM)

Specifications

Fluid: Compressed air

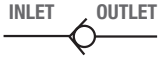
Maximum Working Pressure: 250 PSI

Ambient and Fluid Temperature: -40 to 120 °C

Cracking Pressure: 1 PSI

IN-LINE CHECK VALVES





Product No	Thread (F) NPT
85.690	1/8
85.692	1/4
85.694	3/8
85.696	1/2

Material

Body: Aluminum Alloy

Specifications

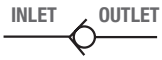
Fluid: Compressed air

Maximum Working Pressure: 114 PSI

Ambient and Fluid Temperature: -10 to 80 °C

IN-LINE CHECK VALVES





Product No	Thread (F) NPT
85.390	1/8
85.392	1/4
85.394	3/8
85.396	1/2
85.398	3/4
85.399*	3/4
85.420	1
85.422	1-1/2
85.423*	1-1/2

*HF : High flow

Materials

Body: Brass

Spring: Stainless steel

O-ring: PTFE

Specifications

Fluid: Compressed air

Maximum Working Pressure: 500 PSI

Ambient and Fluid Temperature: -40 to 230 °C

Cracking Pressure: 1 PSI

ADJUSTABLE RELIEF VALVES

- Sensitive diaphragm relief valve for use where gradual, relief is required.
- Adjustment knob works as a miniature regulator

Materials

Body: Brass

Diaphragm/Disc: Nitrile rubber

Cage: Acetal

Adjusting Knob: Polypropylene

Adjusting Screw and Spring: Zinc-plated steel

Specifications

Working Temperature: 4 to 49 °C

Maximum Working Pressure: 300 PSI



Product No	Pression Range PSI	Inlet Port Size 1x (F) NPT ❶	Inlet Port Size 2x (F) NPT ❷	Exhaust Port Size 1x (F) NPT ❸
85.402	0 - 15	1/4	1/8	1/4
85.404	0 - 25	1/4	1/8	1/4
85.406	0 - 50	1/4	1/8	1/4
85.408	0 - 100	1/4	1/8	1/4

SHUTTLE VALVES
("OR" LOGIC FUNCTION)

- Direct the flow of air from 2 sources to a common outlet. This valve automatically selects the greatest pressure
- Known as a 3 port check valve, which has 1 outlet and 2 inlets. The outlet is always connected to the high-pressure side and is used to close the inlet of the low-pressure side
- A common application is to control a cylinder from 2 different positions

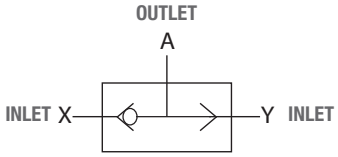
Material
Body: Anodized aluminum

Specifications
Fluid: Compressed air

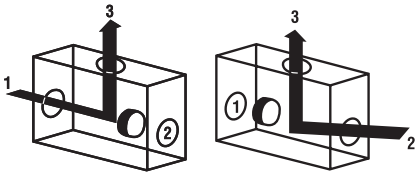
Working Pressure: 14 to 140 PSI

Ambient Temperature: -10 to 80 °C





Product No	Thread (F) NPT
85.805	1/8
85.810	1/4



DOUBLE PRESSURE VALVE
("AND" LOGIC FUNCTION)

- Requires the flow of air from 2 individual sources to a common outlet
- Provides an output signal upon nearly concurrent operation of two push buttons (inlets)

Material
Body: Anodized aluminum

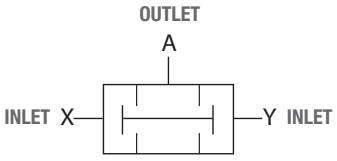
Specifications
Fluid: Compressed air

Working Pressure: 14 to 140 PSI

Ambient Temperature: -10 to 80 °C

CAUTION
Double pressure valves do not, by themselves, ensure the safety of any machine. Users and original equipment manufacturers are responsible for making sure that installations meet all relevant safety regulations.





Product No	Thread (F) NPT
85.815	1/8

IN-LINE CHECK VALVES FOR AIR AND OTHER FLUIDS

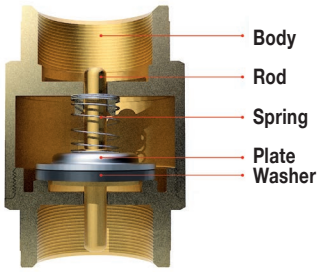
Check valves allow free passage of fluid in one direction and block it in the other direction. They protect compressed air networks against contamination.

For various applications in the naval industries, aerospace, food industries and manufacture of industrial equipment and tools.

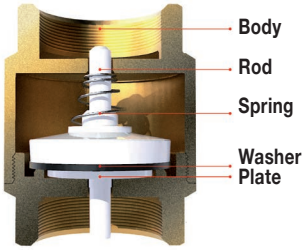
HOW IT WORKS

If the network pressure drops, the check valves installed at the points of use close and prevent the passage of air that could contaminate the network.

EUROPA® CHECK VALVES

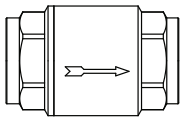


YORK® CHECK VALVES



INSTALLATION TIP

The direction of the airflow is indicated byan arrow on the body of the check valve.



EUROPA® CHECK VALVES



INLET OUTLET

Product No	Thread (F) NPT	Maximum Working Pressure PSI
85.710	1/4	200
85.715	3/8	362.5
85.720	1/2	362.5
85.725	3/4	362.5
85.730	1	362.5
85.735	1-1/4	261
85.740	1-1/2	261
85.745	2	261
85.746	2-1/2	174
85.747	3	174
85.748	4	174

Materials

Body: Robust and corrosion resistant brass
Rod: Robust and corrosion resistant brass
Spring: Corrosion resistant stainless steel 302
Plate: Stainless steel 304 for high pressure resistance
Washer: NBR Synthetic rubber

Specifications

Fluids: Compressed air, inert gases and water
Working Temperature: -20 to 100 °C
85.710: -10 to 110 °C

YORK® CHECK VALVES



INLET OUTLET

Product No	Thread (F) BSPP	Maximum Working Pressure PSI
85.750	3/8	174
85.752	1/2	174
85.754	3/4	174
85.756	1	174
85.758	1-1/4	145
85.760	1-1/2	145
85.762	2	145
85.764	2-1/2	116
85.766	3	116
85.768	4	116

Materials

Body: Robust and corrosion resistant brass
Rod: Corrosion resistant polymer
Spring: Corrosion resistant stainless steel 302
Plate: Corrosion resistant polymer
Washer: NBR synthetic rubber

Specifications

Fluids: Compressed air, inert gases and water
Working Temperature: -20 to 100 °C

ECOREG®
IN-LINE PRESET WATER REGULATORS



The pressure regulator ensures a constant and precise outlet pressure.

The EcoReg® is ideal for various types of application across different industries where water pressure is needed : food and beverage, medical, laboratory, agriculture, plumbing, etc.

Perfect fo all water distribution systems, water and coffee dispensers.

- NSF-61 and NSF-169 certified
- High quality Grivory® / INOX materials FDA certified
- Tamper proof preset regulator for optimal performance
- No risk of incorrect pressure
- More compact and 3 times lighter than standard regulators
- Service free – no adjustment needed
- Easy to mount on all water supply systems
- High reliability

Materials

Housing : Grivory®

Spindle: DIN 1.4404 / AISI 316L

Diaphragm: EPDM

Seal: DIN 1.4310 / ISI 301

Valve: Santoprene

Specifications

Inlet / outlet: 1/4 (F) NPT
(BSP thread available on request)

Working pressure: 5 to 120 PSI

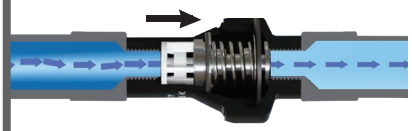
Maximum working pressure: 217 PSI

Working temperature: 4 to 60 °C

Flow Water: 10 000 ml/min
(145 PSI, Δp 11.5 PSI)

HOW IT WORKS

The arrow on the regulator indicates the direction of the water flow



Constant waterpressure at the outlet

OPTIONAL: Addition of a check valve which allows the free passage of the fluid in one direction but blocks it in the other direction (no return / prevents contamination)



YouTube

Watch the video "Function of the ECOREG preset water regulator" on Topring.com/ Resources /Our YouTube channel





Product No	Preset pressure PSI	Tolerance*	Flow** Gases SCFM
85.900	15	± 4.35 psig at 90 PSI	14.2
85.901	23	± 4.35 psig at 90 PSI	14.2
85.902	30	± 4.35 psig at 90 PSI	21.3
85.903	35	± 4.35 psig at 90 PSI	21.3
85.904	45	± 4.35 psig at 90 PSI	24.7
85.905	50	± 10% at 90 PSI	24.7
85.906	60	± 10% at 90 PSI	24.7
85.907	65	± 10% at 150 PSI	24.7
85.908	75	± 10% at 150 PSI	24.7
85.909	80	± 10% at 150 PSI	24.7
85.910	90	± 10% at 150 PSI	28.3
85.911	95	± 10% at 150 PSI	28.3
85.912	100	± 10% at 150 PSI	28.3
85.913	120	± 10% at 150 PSI	28.3

*Test medium: Air at 0.35 scfm / **Flow: 174 PSI, Δp 7 PSI
Note: Regulators are available on request only

OxYReg®
IN-LINE PRESET OXYGEN REGULATORS



The pressure regulator ensures a constant and precise outlet pressure.

The OxYReg® is ideal for various types of application across different industries but perfect for use with medical equipment, respiratory and anesthetic equipment and for the food and drink preservation.

- For oxygen and nitrogen distribution systems
- High quality Grivory / INOX materials FDA certified
- Tamper proof preset regulator for optimal performance
- No risk of incorrect pressure
- More compact and 3 times lighter than standard regulators
- Service free – no adjustment needed
- Easy to mount on all oxygen supply systems
- High reliability

Materials

Housing: Grivory®

Spindle: DIN 1.4404 / AISI 316L

Diaphragm: Fluoropolymer

Seal: DIN 1.4310 / ISI 301

Valve: Santoprene

Specifications

Inlet / outlet: 1/4 (F) NPT
(BSP thread available on request)

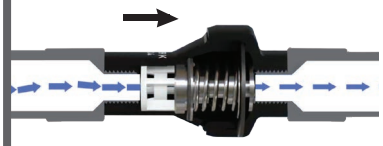
Maximum working pressure: 260 PSI

Working temperature: 0 to 60 °C

Flow Water: 1 000 ml/min
(145 PSI, Δp 11.5 PSI)

HOW IT WORKS

The arrow on the regulator indicates the direction of the water flow



Constant waterpressure at the outlet

OPTIONAL: Addition of a check valve which allows the free passage of the fluid in one direction but blocks it in the other direction (no return / prevents contamination)





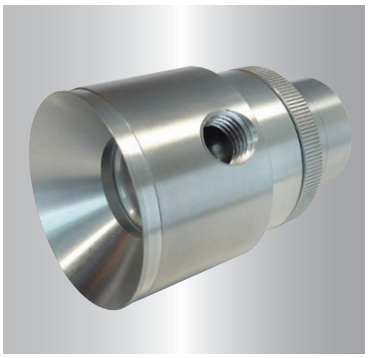
Product No	Preset pressure PSI	Tolerance*	Flow** Gases SCFM
85.920	15	± 4.35 psig at 90 PSI	14.2
85.921	23	± 4.35 psig at 90 PSI	14.2
85.922	30	± 4.35 psig at 90 PSI	21.3
85.923	35	± 4.35 psig at 90 PSI	21.3
85.924	45	± 4.35 psig at 90 PSI	24.7
85.925	50	± 10% at 90 PSI	24.7
85.926	60	± 10% at 90 PSI	24.7
85.927	65	± 10% at 150 PSI	24.7
85.928	75	± 10% at 150 PSI	24.7
85.929	80	± 10% at 150 PSI	24.7
85.930	90	± 10% at 150 PSI	28.3
85.931	95	± 10% at 150 PSI	28.3
85.932	100	± 10% at 150 PSI	28.3
85.933	120	± 10% at 150 PSI	28.3

*Test medium: Air at 0.35 scfm / **Flow: 174 PSI, Δp 7 PSI
Note: Regulators are available on request only

NOTES

Air amplifiers



Group 5 • Series 68

TOPRING

Compressed air solutions

SELECTING THE RIGHT AIR AMPLIFIER: A QUESTION OF APPLICATION

Determining the proper application will ensure maximum performance.

Does the application require:

- Parts ejection?
- Cleaning?
- Drying?
- Cooling?
- Fume removal and vapor?
- Purging tanks?

Air amplifiers meet OSHA and other Health and Safety Agencies' Standards, and other are designed to offer energy savings.

SELECTION GUIDE FOR AIR AMPLIFIERS

TYPICAL APPLICATIONS	PARTS EJECTION	CLEANING	DRYING	COOLING	FUME AND VAPOR REMOVAL	PURGING TANKS
FLAT NOZZLES 	●	●	●	●		
AIR SAVER NOZZLES 	●	●	●	●		
ADJUSTABLE AIRFLOW AMPLIFIERS 	●	●	●	●	●	
VARIABLE AIRFLOW AMPLIFIERS 	●	●	●	●	●	●
AIR KNIVES 	●	●	●	●		
COLD AIR GUNS 				●	●	

FLAT NOZZLES

- Specially designed for air control applications requiring a concentrated flat pattern
- Effective for drying, cleaning and cooling tasks, for ejecting parts from molding tools or stamping presses
- Provide a high-blowing force with a lower air consumption compare to any other nozzle on the market
- Thermoplastic ABS model is resistant to most chemicals
- High temperature model 68.060 is resistant to extreme heat and acid, ideal for extremely hot environments such as foundries and bakeries
- Can be used alone or connected to a manifold
- Meet OSHA and other Health and Safety Agencies' noise and dead-end pressure requirements

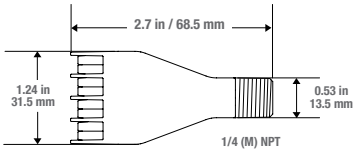


68.050



68.060

Product No	Description
68.050	Standard nozzle
68.060	High temperature nozzle



Materials

68.050: Black thermoplastic ABS
68.060: ULTEM 1000 grey

Specifications

Maximum Working Pressure: 116 PSI

Air Consumption: 15.9 SCFM at 87 PSI

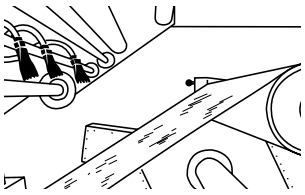
Noise Level: 78 dB at 87 PSI

Maximum Output Thrust: 1.14 lb at 116 PSI

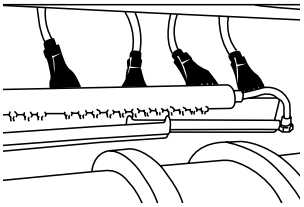
Working Temperature Range:
68.050: -10 to 60 °C / **68.060:** -10 to 200 °C

Thread: 1/4 (M) NPT

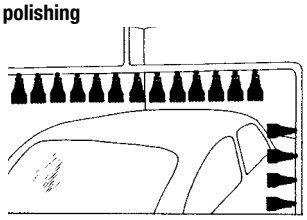
Anti-static treatment of strips and film



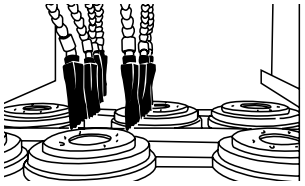
Drying of parts after being washed



Removal of dirt and dust before polishing

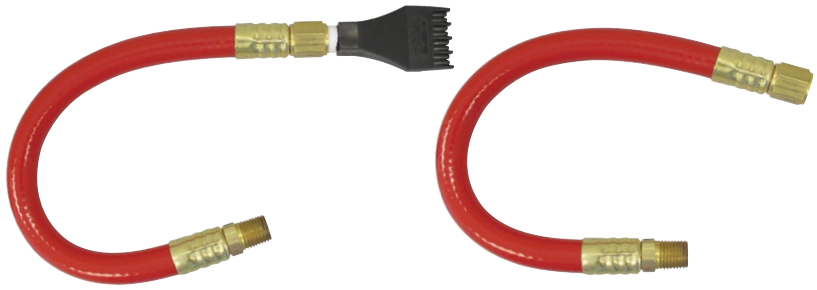


Cleaning of parts



POSITIONABLE FLEXIBLE HOSES WITH FLAT NOZZLE

- For cooling or drying and for part ejections applications
- Flexible extension can be adjusted to virtually any position
- Extension holds its shape even with high pressure compressed air
- Provide compressed air in hard-to-reach places



Product No		Description			
Hose with nozzle	Hose without nozzle	Hose I.D.	Hose Length in	Hose Length cm	Thread (M-F) NPT
68.112	68.120	3/8	12	30	1/4
68.117	68.122	3/8	18	45	1/4
---	68.118	3/8	24	60	1/4
---	68.119	3/8	36	91	1/4

Materials

Hose: Rubber
Nozzle: Black thermoplastic ABS

Specifications

Maximum Working Pressure: 250 PSI

AIR SAVER NOZZLES

- Generate highest thrust with lowest possible air consumption and operation costs
- Adjustable flow and thrust
- Retain up to 80% air compared to a standard 1/4 in open pipe
- For part ejections from molding machines and stamping presses, blowing off chips, trim scrap, parts cleaning before painting, cleaning, drying and cooling
- Aluminum model 68.100 is ideal for most industrial applications
- Stainless steelmodel 68.105 is ideal for food processing applications, corrosive environments and maximum durability

Materials

Aluminum or stainless steel **303**

Specifications

Maximum Working Pressure: 250 PSI

Air consumption:
Adjustable from 5 to 75 SCFM

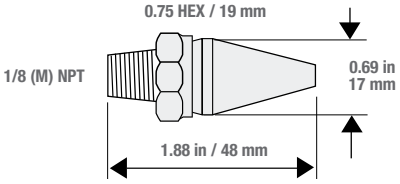
Output: Adjustable from 25 to 375 SCFM

Working Temperature Range:
Aluminum: 0 to 160 °C
Stainless Steel: 0 to 260 °C

Maximum working temperature:
68.105 : 925 °C

Thread: 1/8 (M) NPT





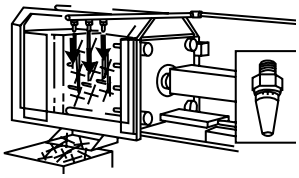
Product No	Description
68.100	Air saver nozzle (Aluminum)
68.105	Air saver nozzle (Stainless Steel)

HOW IT WORKS

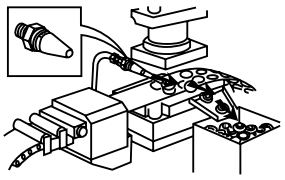
The air saver nozzles release a tiny amount of compressed air at near-sonic velocity through a fine, ring-shaped nozzle.

The high-speed of air emerges and creates a strong vacuum along its sides, pulling a much larger volume of surrounding air into the stream.

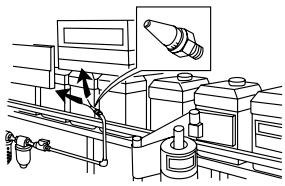
Molding



Stamping



Food processing



POSITIONABLE FLEXIBLE HOSES WITH AIR SAVER NOZZLE

- For cooling or drying and for part ejections
- Flexible extension can be adjusted to virtually any position
- Perfect for pinpointing high velocity air



Product No		Description			
Hose with nozzle	Hose without nozzle	Hose I.D.	Hose Length in	Hose Length cm	Thread (M-F) NPT
68.110	**68.120**	3/8	12	30	1/4
68.115	**68.122**	3/8	18	45	1/4
---	**68.118**	3/8	24	60	1/4

Materials

Hose: Rubber
Nozzle: Aluminum

Specifications

Maximum Working Pressure: 250 PSI

ADJUSTABLE AIR AMPLIFIER

- Amplifies compressed airflow 4 times, delivering high thrust with a fraction of the air used by open air lines
- Meets OSHA and other Health and Safety Agencies' noise and dead-end pressure requirements
- For parts ejection from molding machines and stamping presses, blowing off chips and trim scraps, dusts powders and fibers, parts cleaning, cooling, fume and vapor removal
- No electricity or explosion hazards
- Safe and quiet
- Easy-to-control flow/force
- No moving parts ensuring maintenance-free operation
- Instant ON/OFF mode

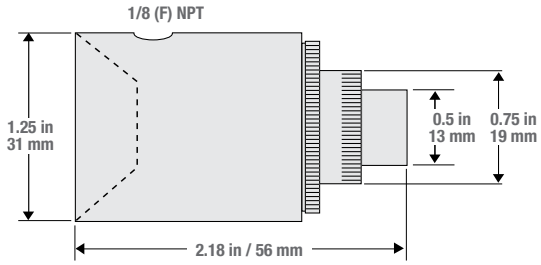
Material

Solid brass

Specifications

Maximum Working Pressure: 250 PSI
Throat Diameter: 0.38 in
Amplification Ratio: 4:1
Output at 80 PSIG: 60 SCFM
Air consumption: 15 SCFM
Thread: 1/8 (F) NPT



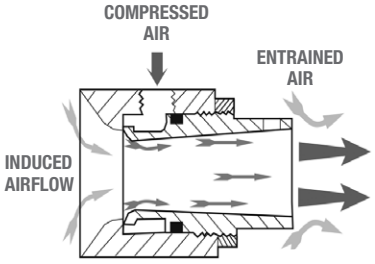


Product No	Description	Air Inlet
68.130	Adjustable air amplifier	1/8 (F) NPT

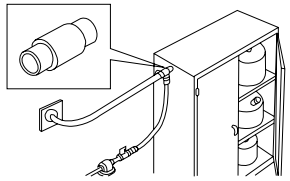
HOW IT WORKS

It is a simple, lightweight and economical tool that uses the energy of a small volume of compressed air to produce a high volume, high-speed, low-pressure airflow.

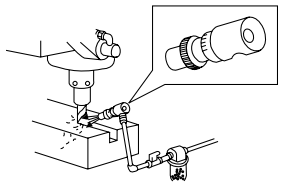
MULTIPLIES AIRFLOW **4x**



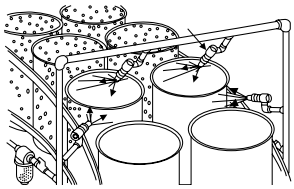
Fume removal



Metalworking



Food processing



HIGH-THRUST VARIABLE AIRFLOW AMPLIFIERS

Airflow amplifiers use the energy from a small volume of compressed air to produce a high velocity, high volume, low pressure output.

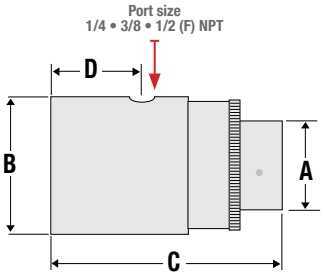
TOPRING air amplifiers amplify compressed air input up to 25 times, allowing increased airflow while drastically reducing compressed air consumption and noise levels.

- Great air conveying at a low cost of any material that can be moved in a rush of air: metal chips, sawdust, paper and cloth trim, grain, plastic pellets, dust, capsules and powders
- Can replace fans for ventilation and exhaust of smoke and fumes, for purging tanks, for cleaning and cooling of conveyed parts, for drying waterborne paint used for auto body refinishing
- Safe - meet OSHA and other Health and Safety Agencies' noise requirements
- Adjustable output without tools
- No moving parts ensuring maintenance-free operation
- No electricity or explosion hazard
- Compact and lightweight
- Instant ON/OFF mode

Material
Aluminum

Specifications
Maximum Working Pressure: 250 PSI





Product No	Port size (F) NPT	Specifications				
		Hg Vacuum	SCFM Output at 80 PSIG	SCFM Setting	Amplification Ratio	Noise Level dB
68.150	1/4	1.10"	180	15	12:1	72
68.160	3/8	1.32"	500	25	20:1	76
68.165	3/8	1.43"	1125	45	25:1	76
68.170	1/2	1.54"	1800	60	30:1	76

Dimensions			
A	B	C	D
1.25 in (31 mm)	2 in (51 mm)	3 in (76 mm)	1 in (25 mm)
2 in (51 mm)	3 in (76 mm)	3.25 in (83 mm)	1 in (25 mm)
2.5 in (64 mm)	3.63 in (92 mm)	3.63 in (92 mm)	1.5 in (31 mm)
4 in (102 mm)	5 in (127 mm)	5 in (127 mm)	5 in (127 mm)

REDUCERS FOR AIRFLOW AMPLIFIERS



The ends of the amplifier can also be attached to tubing by the use of an air amplifier and a reducer.

Product No	Description
68.151	Reducer for 68.150
68.161	Reducer for 68.160

HOW IT WORKS

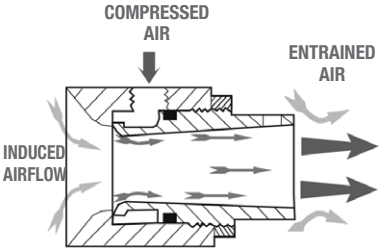
Air amplifiers release a tiny amount of compressed air at high velocity through an adjustable internal ring-shaped nozzle.

The high-speed "column" of air released through the front creates a strong vacuum behind itself, pulling additional surrounding air through the rear of the amplifier, while pushing the ambient air in front.

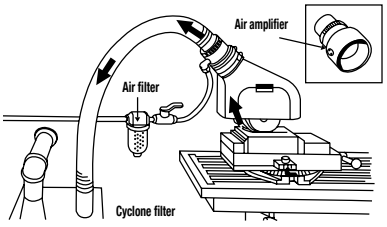
In ducted applications, air amplifiers deliver amplification ratios of 12-25:1.

In unducted applications, air amplifiers deliver amplification ratios of 36-75:1.

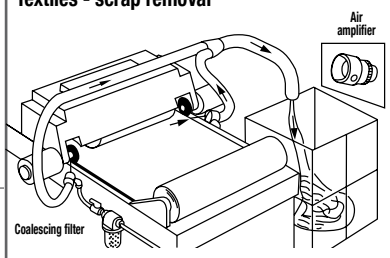
MULTIPLIES AIRFLOW **25 x**



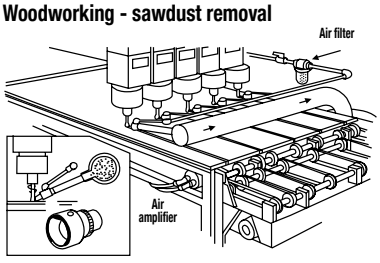
Metalworking - grinding



Textiles - scrap removal



Woodworking - sawdust removal



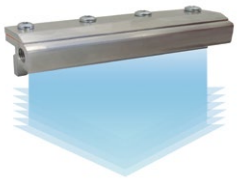
AIR KNIVES

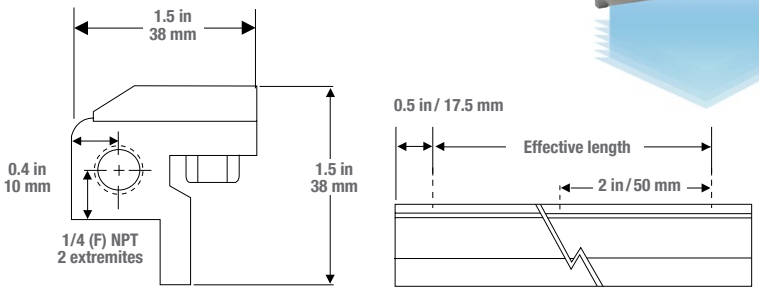
- Provide wide-area coverage with a thin sheet of air
- Uniform curtain of air
- Low operating costs
- Amplifie compressed airflow up to 25 times
- For drying plastic or metal sheets, blowing chips, debris and dirt, cleaning and cooling metal or plastic strips or parts on a conveyor and for cleaning before painting
- Quiet, up to 50 decibels noise reduction over open air tubes
- No maintenance, no moving parts
- No electricity or explosion hazard
- Compact, easy to install
- Instant ON/OFF mode

Material
Aluminum

Specifications
Maximum Working Pressure: 250 PSI







Product No	Effective Length in	Effective Length cm	SCFM Output at 80 PSIG	SCFM Input at 80 PSIG	Amplification Ratio
68.200	6	15	600	24	25:1
68.210	12	30	1200	48	25:1
68.220	18	45	1800	72	25:1
68.230*	24	60	2400	96	25:1
68.240*	30	75	3000	120	25:1
68.250*	36	90	3600	144	25:1

* Air knives over 18 in should be supplied with air from both sides



TECH TIP

A 5 micron filter and pressure regulator are recommended for most applications

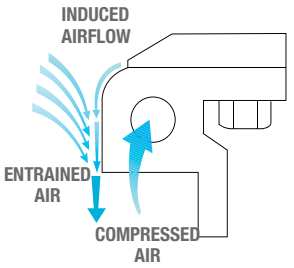
HOW IT WORKS

MORE PERFORMANCE WITH LESS NOISE

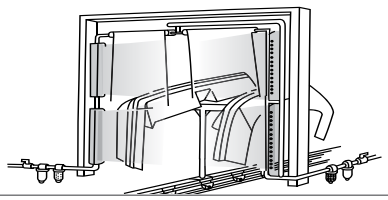
Air knives release a tiny amount of compressed air at high speed through a .003 in slot along their entire length.

This high-speed sheet of air entrains a large volume of surrounding air, effectively amplifying compressed airflow 25 times.

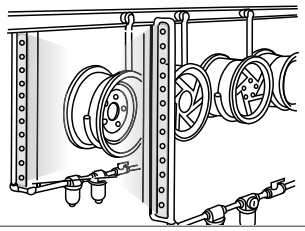
MULTIPLIES AIRFLOW **25 x**



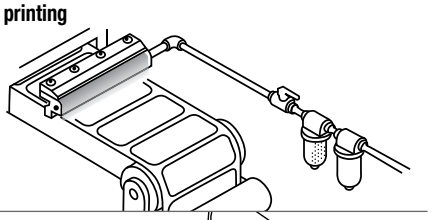
Drying and finishing



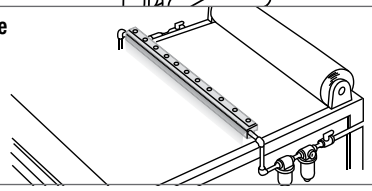
Powder coating and curing



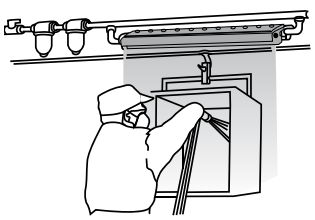
Label printing



Textile



Painting



COLD AIR GUNS

- Economical alternative compared to other more expensive mist cooling systems
- Improve productivity speed while reducing production costs associated with downtime for cooling
- Avoid the usage of coolants causing skin contamination and irritation
- Allow to get clean and dry parts
- For cooling during dry machining operations on steel, plastic, rubber or wood, the cooling of plastics, metals, liquefied materials and adhesives
- Ideal for bottling applications, for grinding, milling or drilling
- Effective to cool and increase tool life service by preventing microcracking caused by overheating
- Maintenance free, no moving parts
- 12 in (30 cm) swivel hose and magnetic base
- Integrated muffler for low noise level
- Instant ON/OFF mode

Material

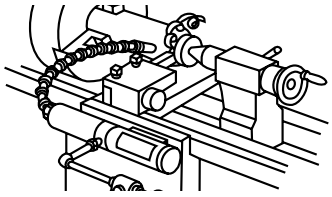
Tube: Stainless steel 303

Specifications

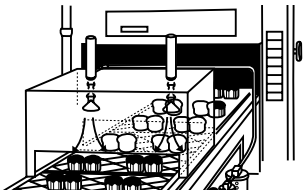
Maximum Working Pressure:
68.270 and 68.272: 250 PSI
68.274: 100 PSI

Working Temperature Range:
68.270 and 68.272: 0 to 480 °C
68.274: 0 to 232 °C

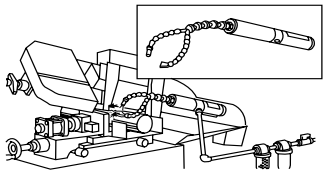
Plastic - machining



Food processing - product cooling

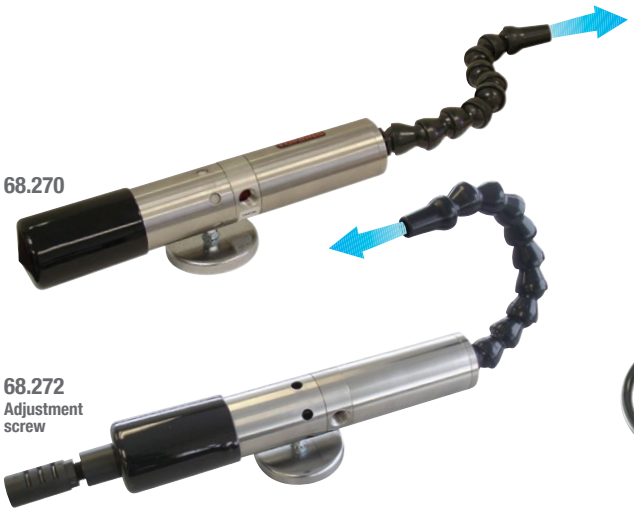


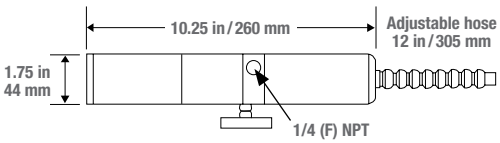
Metalworking - band sawing



68.270

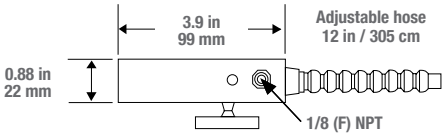
68.272
Adjustment screw





Product No	Description
68.270	Standard cold air gun
68.272	Adjustable cold air gun





Product No	Description	Air consumption
68.274	Mini cold air gun	8 SCFM

TECH TIP

A 5 micron filter and pressure regulator are recommended for most applications

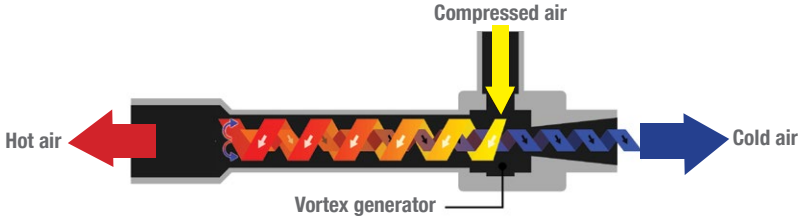
4 generators included



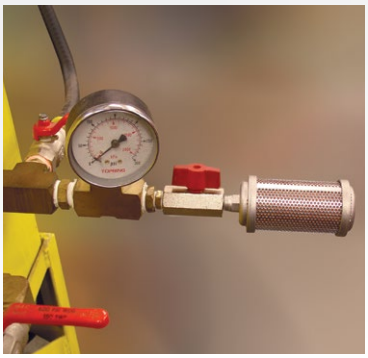
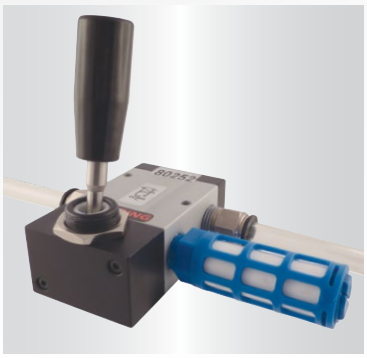
Air consumption SCFM / Noise Level			
Yellow	Red	Blue	Orange
10 SCFM 500 **Btu/H**	15 SCFM 1000 **Btu/H**	25 SCFM 1800 **Btu/H**	35 SCFM 2500 **Btu/H**

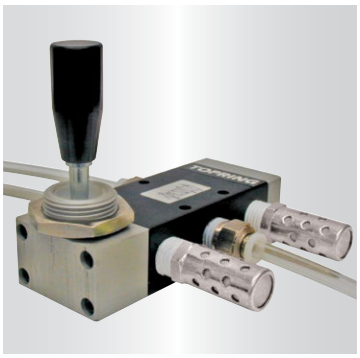
VORTEX EFFECT

A cold air gun uses a Vortex tube to cool compressed air. A small amount of compressed air is converted into two low pressure airstreams which exchange heat, producing cold air at one end of the tube and hot air at the other. A flexible hose is then used to direct the lowest temperature air to the surface to be cooled.



Pneumatic mufflers



Group 5 • Series 86

TOPRING

Compressed air solutions

PNEUMATIC MUFFLERS

As users are exposed to noise from industrial equipment, machinery and tools. In the long run, all these noises contribute to hearing loss.

The impact of repetitive noise is too often underestimated. Evidence shows that continuous, repetitive exposure to noise exceeding 90 dB causes permanent hearing loss. The noise generated by the operation of pneumatic valves is more dangerous because it can lead to permanent hearing damage.

The brain is unable to distinguish the noise level of staccato sounds attacking the hearing and therefore cannot adapt to it. Repetitive noise is perceived by the brain as a continuous sound. A 1/2" valve controlling a pneumatic cylinder (at 3 cycles per second) can produce a sound equivalent to a 92 dB continuous sound.

Working in this type of environment continuously can cause permanent hearing damage. Fortunately, this type of sound can be controlled because **TOPRING** mufflers stifle the air exhaust noise of the pneumatic valves.

PERMISSIBLE NOISE EXPOSURE

Duration per day, in hours	Sound Level dB (A)
8	90
6	92
4	95
3	97
2	100
1-1/2	102
1	105
1/2	110
1/4 or less	115

References:
OSHA 29 CFR PART 1910.95(b)(2)
CSST L.R.Q., c. S-2.1, r.19.01 Section XV, 131.



NOISE

An irritating noise is a form of pollution that can damage hearing and reduce the quality of life. In addition to developing physical stress, noise is also a definite threat to hearing and can promote aggressivity.

Noise control is a challenge that must be addressed and managed by industries.

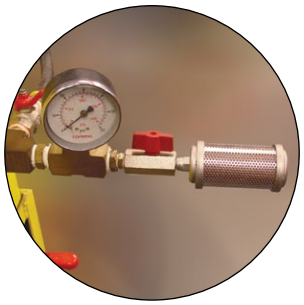
THE BENEFITS OF NOISE REDUCTION

- Preserving hearing and reducing the number of users with occupational hearing loss and the degree of severity
- Reduce the risk of accidents since alarms, sound warnings, equipment failures and conversations are easier to hear and distinguish
- Provide a less aggressive and less stressful audio environment, improving staff productivity
- The users will benefit from a better quality of life at work and, consequently reducing the company's operating costs

TECHNICAL POINTS TO CONSIDER WHEN SELECTING A MUFFLER

- Pneumatic mufflers should not reduce the air flow below the limit specified by the manufacturer
- Inspection and regular maintenance of mufflers is essential to their proper functioning.
- Impurities (eg rust) in the compressed air system will gradually obstruct the mufflers and reduce their capacity to evacuate air
- For safety reasons, plastic mufflers are not recommended for use with compressed air systems

AIR EXHAUST MUFFLERS / FILTERS



These mufflers provide complete protection against harmful noise at the exhaust air outlets of pneumatic cylinders, valves, tools, hoists, clutches and other pneumatic devices.

- Expansion chamber is completely free of obstructions, from which the exhaust air, at reduced velocity, is softly dispersed through the ports of the muffler
- Anti-corrosion
- Standard male pipe-thread connections for quick and easy attachment to the air exhaust port
- Installation in protected areas free from excess vibration
- Can be used as filters for compressed air

Materials

Body: Cast Aluminum

Tie Rods and Lock Nuts: Steel

Disseminator: Cellulose fiber / Steel

Specifications

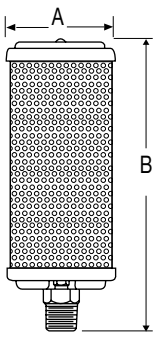
Maximum Working Pressure: 145 PSI

Working Temperature Range: -10 to 80 °C

Filter Element: 25 microns



Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB	Dimensions (in)	
				A	B
86.700	1/8	44	≥ 25	1.84	3.12
86.705	1/4	84	≥ 15	1.84	4.37
86.710	3/8	192	≥ 15	2.59	5.12
86.715	1/2	256	≥ 15	3.15	6.00
86.720	3/4	544	≥ 15	3.40	7.18
86.725	1	798	≥ 25	3.90	8.75
86.730	1-1/4	1360	≥ 25	3.90	8.75
86.735	1-1/2	2080	≥ 25	5.25	13.56
86.740	2	3200	≥ 25	5.25	18.87



RELIEF VALVE MUFFLERS

The superior design and construction of these mufflers provide a low-cost effective method to eliminate excessive noise while reducing potential physical injuries caused by extreme air blast from air-operated devices.

Ideal for applications where uninterrupted continuous outflow is required.

- Provide all the features of the **TOPRING** air exhaust mufflers/filters plus an added relief valve to regulate pressure and optimize performance
- Full-flow design uses interposing sound waves
- Obstruction-free expansion chamber and porous disseminator (filter element) to completely dissipate harmful air exhaust blast
- Ideal for reducing Exponentially Perceived Noise (EPNdB)

Materials

Body: Aluminum

Tie Rods and Lock Nuts: Zinc plated CRS

Discharge Valve: Stainless steel 409

Fiber: Cellulose fiber

Specifications

Maximum Working Pressure: 145 PSI

Working Temperature Range: -10 to 80 °C

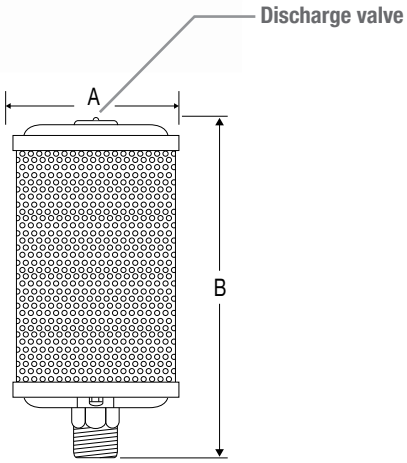
Filter Element: 25 microns

HOW IT WORKS

The relief valve regulates pressure by detecting any outflow deviation, responding to the pressure differential and compensating for excess outflow.

It eliminates excessive noise by dividing the airflow and turning it back on itself. As air exhaust enters the expansion chamber at high velocity, the muffler redirects it into smaller airflow that rebounds off opposing walls of the chamber. With the airflows colliding with each other, the velocity is reduced and the air is dispersed throughout the disseminator (filter element) surface area.





Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB	Dimensions (in)	
				A	B
86.760	1/2	256	≥ 15	3.15	6.00
86.765	3/4	544	≥ 15	3.40	7.18
86.770	1	798	≥ 25	3.90	8.75
86.775	1-1/4	1360	≥ 25	3.90	8.75
86.780	1-1/2	2080	≥ 25	5.25	13.56
86.785	2	3200	≥ 25	5.25	18.87

MUFFLERS / FILTERS

Muffler/filters are ideal for silencing compressed air exhausting from such devices as air valves, air motors and impact air tools. In addition, they also prevent valve ports from being contaminated by outside impurities.

- Efficient noise reduction
- Compact and lightweight
- Low-flow restriction
- Long service life
- Easy to install





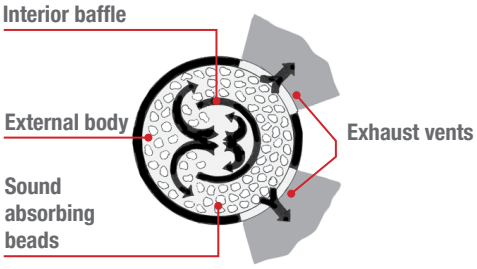
Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.145	1/8	38	≥ 30
86.150	1/4	100	≥ 25
86.155	3/8	88	≥ 25
86.160	1/2	127	≥ 20
86.165	3/4	272	≥ 20
86.170	1	286	≥ 25

Materials

Body: Molded acetal plastic
Element: Acetal plastic beads

Specifications

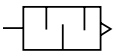
Maximum Working Pressure: 87 PSI
Working Temperature: 5 to 80 °C
Filter Element: 60 microns



TECH TIP

Mufflers require no maintenance when used under normal work conditions. When used with dirty or oily air, periodic cleaning with a petroleum-based solvent is recommended. Mufflers can be installed so that air flows in the desired direction (away from the user).





NPT

Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.146	1/8	32	≥ 35
86.151	1/4	72	≥ 25
86.156	3/8	175	≥ 15
86.161	1/2	159	≥ 25
86.166	3/4	339	≥ 25
86.171	1	364	≥ 20

BSPT

Product No	Thread (M) BSPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.147	1/8	32	≥ 35
86.152	1/4	72	≥ 25
86.157	3/8	175	≥ 15
86.162	1/2	159	≥ 25

Materials

Body: Molded acetal plastic
Element: Polyethylene (PE)

Specifications

Maximum Working Pressure: 116 PSI
Working Temperature: 5 to 80 °C
Filter Element: 25 microns



SINTERED BRONZE OR STAINLESS STEEL MUFFLERS / FILTERS



- Diffuses air and disperses noise from the exhaust ports of valves, cylinders and air tools
- Ideal for installation on pneumatic valves, exhaust and port filtering, coalescing filtration of oil mist and/or water vapor and for application with pressure or vacuum regulation
- Compact – ideal for use in limited spaces
- Easy to install and maintain
- Tough, cellular, sintered metal structure, secured to metal body, providing an ideal combination of strength and performance
- Can be used as filters for compressed air
- Prevents contaminants like metal chips, abrasive grit, dust from entering open exhaust ports and causing premature valve failure
- Can be cleaned with conventional solvents

Materials

Body: Brass or 316 Stainless steel
Element: Sintered bronze or Sintered stainless steel

Specifications

Maximum Working Pressure: 145 PSI
Working Temperature: -10 to 250°C
Filter Element: 40 microns



Sintered Bronze



Sintered Stainless steel



NPT

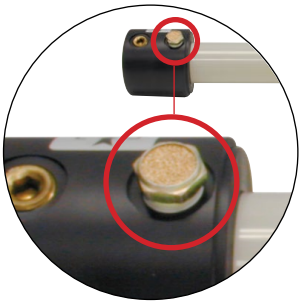
Sintered Bronze Product No	Stainless Steel	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.100	--	10-32 ◇	12	≥ 40
86.105	**86.107**	1/8	37	≥ 35
86.110	**86.112**	1/4	87	≥ 30
86.115	**86.116**	3/8	122	≥ 25
86.120	--	1/2	175	≥ 20
86.125	--	3/4	258	≥ 20
86.130	--	1	339	≥ 15

BSPT

Sintered Bronze Product No	Thread (M) BSPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.104	1/8	37	≥ 35
86.109	1/4	87	≥ 30
86.114	3/8	122	≥ 25
86.119	1/2	175	≥ 20

COMPACT BREATHER VENT FILTERS

- Can be inserted into the exhaust ports of pneumatic equipment without affecting the volume and when space is restreined
- Prevent dirt and particles from entering ports from entering opened ports



Materials

Body: Brass
Element: Sintered porous bronze

Specifications

Maximum Working Pressure: 145 PSI
Working Temperature: -10 to 400°C
Filter Element: 70 microns





Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB	Dimensions (mm)
86.200	1/8	9	≥ 30	11
86.205	1/4	9	≥ 30	14.3
86.210	3/8	23	≥ 30	17.5
86.215	1/2	35	≥ 25	22.3
86.220	3/4	52	≥ 25	27
86.225	1	84	≥ 25	33.3

SPEED CONTROL MUFFLERS

Speed control mufflers provide safe airflow regulation at an acceptable sound level on exhaust ports of air control valves.

Speed control mufflers are recommended with any 5 port, dual-exhaust pneumatic valves.

- Compact size easy to install
- Adjustable calibrated conical valve provides precise airflow adjustment for sensitive pressure applications and for vacuum relief on vacuum systems
- Locks securely with a lock nut. The muffler cannot be inadvertently tampered with, removed or blocked

HOW IT WORKS

Speed control mufflers are screwed into the pneumatic valve exhaust ports.

The cylinder exhaust is throttled by the adjustable port flow control, and back pressure is developed, reducing the cylinder stroke period.

Using the external adjustment screw, the opening of the orifice can be adjusted from “closed” to “high flow”, as required.





Easy to adjust knob, no screw driver needed

Materials

Body: Brass nickel plated
Element: Polyethylene

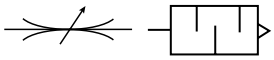
Specifications

Maximum Working Pressure: 145 PSI
Working Temperature: -10 to 80 °C
Filter Element: 5 microns



Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.800	1/8	8	≥ 45
86.805	1/4	26	≥ 20
86.810	3/8	31	≥ 30
86.815	1/2	62	≥ 25
86.820	3/4	99	≥ 20





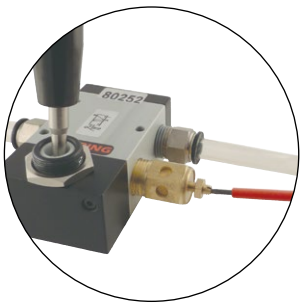
Tough, cellular, sintered Bronze structure, secured to bronze body, ensures desired combination of filtering and muffling with adjustable flow

Materials

Body: Brass nickel plated
Element: Sintered bronze

Specifications

Maximum Working Pressure: 145 PSI
Working Temperature: -10 to 250°C
Filter Element: 40 microns



NPT

Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.300	1/8	21	≥ 35
86.305	1/4	33	≥ 35
86.310	3/8	49	≥ 25
86.315	1/2	86	≥ 25
86.320	3/4	136	≥ 25
86.325	1	147	≥ 30

BSPT

Product No	Thread (M) BSPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.301	1/8	21	≥ 35
86.306	1/4	33	≥ 35
86.311	3/8	49	≥ 25
86.316	1/2	86	≥ 25

HIGH FLOW PNEUMATIC MUFFLERS

Ideally suited for exhaust ports of pneumatic valves and air tools, these mufflers are a quick and inexpensive method to reduce noises. They also prevent valve ports from being contaminated by outside impurities.

- Tough, compact and ideally suited for use in limited spaces
- High flow capacity
- Minimal back pressure
- Corrosion-resistant metal resistant to chocs and intensive continuous use







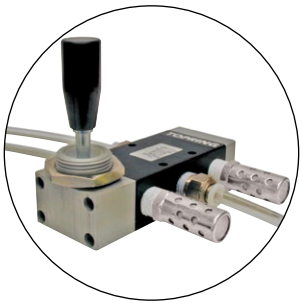
Designed with a precise distribution of peripheral openings, the mufflers softly disperse exhaust air uniformly over a 360° pattern to provide effective reduction of air exhaust noise

Materials

Body: Zinc plated steel
Screen: Brass

Specifications

Maximum Working Pressure: 145 PSI
Working Temperature: -10 to 250°C
Filter Element: 50 microns



NPT

Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.600	1/8	40	≥ 20
86.605	1/4	59	≥ 20
86.610	3/8	138	≥ 15
86.615	1/2	219	≥ 15
86.620	3/4	272	≥ 15
86.625	1	318	≥ 15
86.630	1-1/4	364	≥ 15
86.635	1-1/2	600	≥ 15
86.640	2	671	≥ 15

BSPT

Product No	Thread (M) BSPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.601	1/8	40	≥ 15
86.606	1/4	59	≥ 15
86.611	3/8	138	≥ 15
86.616	1/2	219	≥ 15







Slotted body permits rapid discharge of air without undesirable back pressure

Product No	Thread (M) NPT	Airflow SCFM at 90 PSI	Noise Reduction dB
86.400	1/8	79	≥ 15
86.405	1/4	106	≥ 15
86.410	3/8	226	≥ 10
86.415	1/2	258	≥ 10
86.420	3/4	371	≥ 10
86.425	1	405	≥ 10

Material

Body: Aluminum

Specifications

Maximum Working Pressure: 116 PSI
Working Temperature: -10 to 150°C
Filter Element: 50 microns



TOPRING

IMPORTANT NOTICE

Published literature at time of initial publication reflects current design, dimension and performance data.
In accordance with our product improvement policy, modifications may result in data changes.

We strive to provide a complete error-free catalogue, but if errors are discovered, they are corrected immediately and updated in real time on product pages on our website TOPRING.com

All users of TOPRING products are entirely responsible for the application of TOPRING products. It is necessary and required that, prior to any use or application, all users first perform their own studies, testing or engineering to determine the proper use or application.

If you have comments or questions, email us at solutions@TOPRING.ca

Visit TOPRING.com and access a wealth of information on compressed air performance, safety and efficiency.

Check out our topics in the RESOURCES section:
| Blog | Case Studies | White Papers and Practical Guides | Training | Our YouTube Channel.

TOPRING

Compressed air solutions since 1979

TOPRING.com
1 800 263-8677 • 450 375-1828
solutions@topring.ca