

F-950, F-960, F-970 Series Filters



The Air Logic Filters are designed for compressed air systems to remove most contaminate particles.

Three models are available: 1) The F-950 Series is an inline filter with barbs for 1/16" or 1/8" I.D. tubing, 2) The F-960 Series filter is encased in a male 10-32 UNF threaded housing with barbs for 1/16" or 1/8" I.D. tubing, 3) The F-970 Series Filter is encased in a female 10-32 UNF threaded housing.

The filters are precision molded of polysulfone material. The Dutch weave wire screen is constructed of stainless steel. The Dutch weave is resistant to high pressure. The filters are available in 5, 25, 43 and 73 microns. Maximum supply is 125 PSI. The inline filter is disposable.

- FEATURES**
- Low Cost
 - Small Size
 - Disposable
 - Low Pressure Drop

SPECIFICATIONS
 Maximum Supply: 125 PSI
 Operating Temperature: 40° to 120°F. (5° to 48°C.)

MATERIALS
 Housing: Blue Polysulfone
 Filter Media: 316 stainless steel filter screen

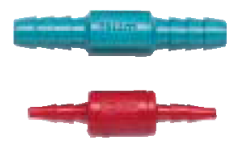
MOUNTING
 Inline installation, 10-32 UNF male threads, or 10-32 UNF female threads

PORT CONNECTIONS
 Barbs for 1/16" or 1/8" I.D. flexible tubing

ORDERING INFORMATION (Order by model number, specify micron size, and port connection.)

Model Number	Mounting	Filter Size	Port Connection
F-950	Inline	5 - 5 micron 325 x 2300 mesh	B80 - Barbs for 1/16" I.D. tubing
F-960	Male 10-32 UNF	25 - 25 micron 200 x 600 mesh 43 - 43 micron 325 x 325 mesh	B85 - Barbs for 1/8" I.D. tubing
F-970	Female 10-32 UNF	73 - 73 micron 200 x 200 mesh	No accessory numbers required for 10-32 threads

F-950 Series Filtered Orifice Restrictors



The Filtered Orifice Restrictors are designed for use in pneumatic control circuits. The orifice restrictor and a stainless steel filter are encased in a molded housing with barbs for 1/16" or 1/8" I.D. flexible tubing.

The Dutch weave wire screen is constructed of stainless steel. The filter is available in 5, 43 and 73 microns. The orifices are precision molded of polysulfone and are held to flow tolerances of ± 4%.

Available in ten color coded sizes .004" to .030" diameter. Maximum supply is 100 PSI. The Filtered Orifice Restrictors are disposable and designed for inline installation.

- FEATURES**
- Precision Molded
 - Miniature size
 - Low Pressure Drop

SPECIFICATIONS
 Orifice Diameter: .004" to .030"
 Maximum Supply: 100 PSI
 Operating Temperatures: 40° to 120°F. (5° to 48°C.)

MATERIALS
 Housing: Polysulfone
 Filter Media: 316 stainless steel filter screen

PORT CONNECTIONS
 Barbs for 1/16" or 1/8" I.D. flexible tubing

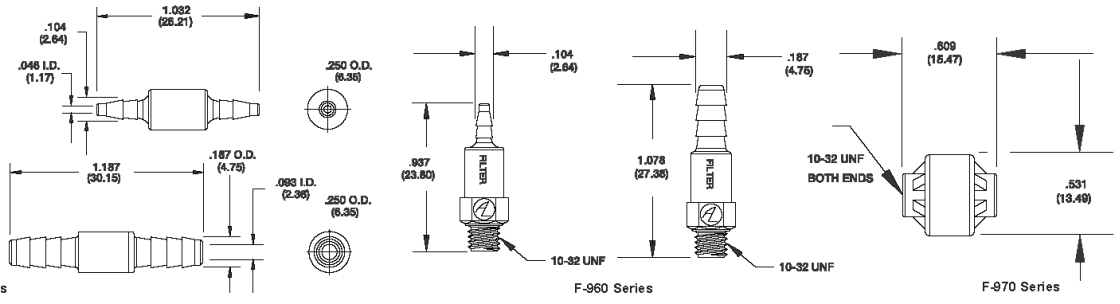
ORDERING INFORMATION (Order by model number, specify filter size, orifice diameter and accessory numbers for port connections.)

F-950 - 5 - 050 - B80

Model Number	Filter Size	Orifice Diameter	Color Code	Port Connection
F-950	5 - 5 micron 325 x 2300 mesh	041-0.004"	Purple	B80 - Barbs for 1/16" I.D. tubing
		050-0.005"	Lime Green	
		051-0.006"	Red	
	43 - 43 micron 325 x 325 mesh	071-0.007"	Aqua Green	B85 - Barbs for 1/8" I.D. tubing
		101-0.010"	Yellow	
		121-0.012"	Black	
		161-0.016"	Gray	
	73 - 73 micron 200 x 200 mesh	201-0.020"	Blue	
		251-0.025"	Brown	
		301-0.030"	Beige	

DIMENSIONS

() = Metric Dimensions



F-950 Series
Please read warranty

Check Chemical Compatibility of Polysulfone

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F-2815, F-3120 Series Orifice Restrictors



The Air Logic Orifice Restrictors are designed for use in pneumatic control circuits. Available in eleven color coded sizes.

The Orifices are precision molded of polysulfone and are held to flow tolerances of $\pm 4\%$.

The Orifice Restrictors are available in three models: 1) For inline installation, 2) Available with barbs for 1/16" or 1/8" I.D. flexible tubing, or 3) Encased in a 10-32 barbed fitting.

The F-2815 Series Orifice Restrictors are for inline installation with straight ports for 1/16" I.D. flexible tubing. The orifice restrictors are available with barbs for 1/16" or 1/8" I.D. flexible tubing.

The F-3120 Series Orifice Restrictors are encased in a molded polysulfone barbed fitting. The barbed fitting has 10-32 UNF male threads and is available with barbs for 1/16" or 1/8" I.D. flexible tubing.

ORDERING INFORMATION (Order by model number, orifice diameter and specify accessory numbers for port connections.)

Model Number		Orifice Diameter	Color Code	Port Connection
10-32 Threads	Inline			
F-3120	F-2815	041-0.004"	Purple	B80 - Barbs for 1/16" I.D. tubing B85 - Barbs for 1/8" I.D. tubing No accessory numbers required for straight ports.
F-3120	F-2815	050-0.005"	Lime Green	
F-3120	F-2815	051-0.006"	Red	
F-3120	F-2815	071-0.007"	Aqua Green	
F-3120	F-2815	101-0.010"	Yellow	
F-3120	F-2815	121-0.012"	Black	
F-3120	F-2815	161-0.016"	Gray	
F-3120	F-2815	201-0.020"	Blue	
F-3120	F-2815	261-0.025"	Brown	
F-3120	F-2815	301-0.030"	Beige	
F-3120	F-2815	401-0.040"	Rust	

- FEATURES**
- Precision Molded
 - Miniature size
 - Low Cost

SPECIFICATIONS

Orifice Diameter: .004" to .040"
 Maximum Supply: 100 PSI
 Operating Temperatures: 40° to 120°F. (5° to 48°C.)
 Recommended Filtration: 5 micron
 Flow Tolerances: $\pm 4\%$

MATERIALS

Housing: Polysulfone

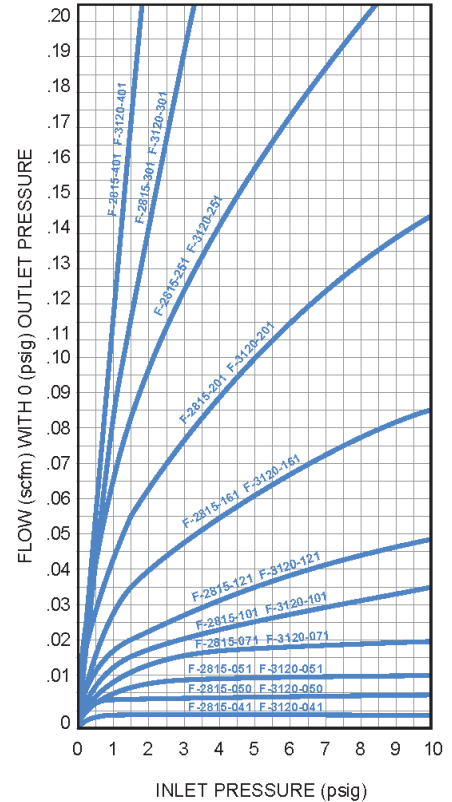
MOUNTING

Inline installation or 10-32 UNF male threads

PORT CONNECTIONS

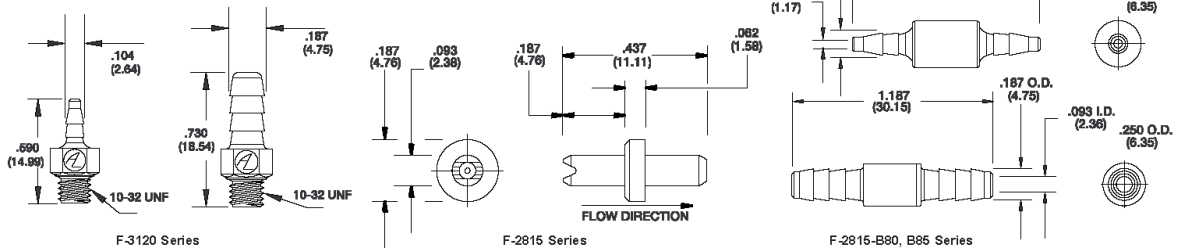
Straight ports for 1/16" I.D. flexible tubing
 Barbs for 1/16" or 1/8" I.D. flexible tubing

Typical Flow Characteristics for Normal Flow Direction



DIMENSIONS

() = Metric Dimensions

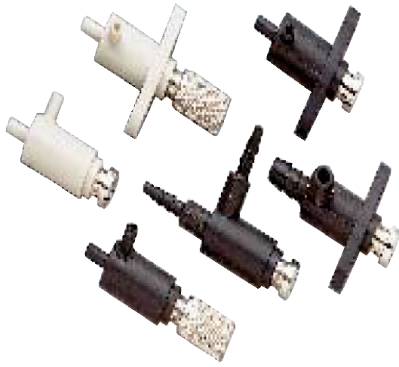


Please read warranty

Check Chemical Compatibility of Polysulfone

MINIATURE RESTRICTORS

F-2822 Series Needle Valves



The F-2822 Series Needle Valves are ideal for instrumentation and industrial applications. The fine angle of the needle allows for the precise control of flow.

The Needle Valves are adjustable from 0 to the equivalent flow of a 0.025" diameter orifice. The flow is restricted in both directions. The Needle Valve is designed for inline installation or can be panel mounted. The standard device is furnished with a screwdriver slot adjustment or knurled knob.

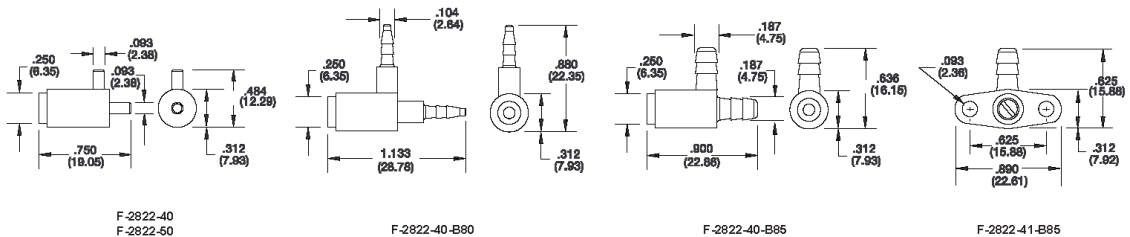
The Needle Valves are available in two materials: Glass filled nylon or glass filled polypropylene. The o-rings are available in Buna-N, Viton or Ethylene Propylene.

ORDERING INFORMATION (Order by model number, mounting number, specify port connections and accessory letters.)

Type	Model Number	Mounting	Port Connections	Accessories
Nylon	F-2822	40-Inline	B80-Barbs for 1/16" I.D. Tubing B85-Barbs for 1/8" I.D. Tubing	K-Nickel plated brass adjustment knob SS-Stainless steel needle KSS-Stainless steel knob V-Viton o-ring E-Ethylene Propylene o-ring
		41-Panel Mounted	No accessory numbers required for straight ports	
Polypropylene	F-2822	50-Inline	Only available in straight ports	No accessory letters required for screwdriver slot adjustment or Buna-N o-ring
		51-Panel Mounted		

DIMENSIONS

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Please read warranty

Check Chemical Compatibility of Polysulfone

FEATURES

- Fine Adjustment
- Miniature Size
- Plastic Housing

SPECIFICATIONS

Turns: 7 turns
Flow: Equivalent to 0.025" diameter orifice
Adjustment Screw: Screwdriver slot or knurled knob
Operating Temperature: 40° to 120°F. (5° to 48°C.)
Recommended Filtration: 5 micron

MOUNTING

Inline installation or panel mounted. Furnished with two self tapping screws.

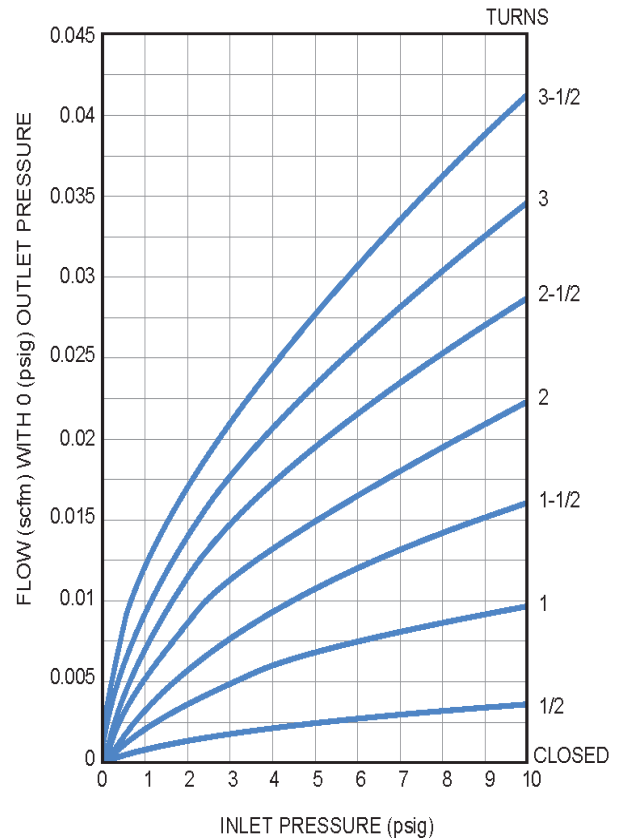
PORT CONNECTIONS

Straight ports for 1/16" I.D. flexible tubing
Barbs for 1/16" or 1/8" I.D. flexible tubing

MATERIALS

O-ring Buna-N, Viton, Ethylene Propylene (EPDM)
Vibration Insert None
Body F-2822-40 40% Glass Filled Nylon
F-2822-41 40% Glass Filled Nylon
F-2822-50 20% Glass Filled Polypropylene
F-2822-51 20% Glass Filled Polypropylene
Pin Nickel Plated Brass or 303 Stainless Steel
Pin Thread Size 10-64
Pin Angle 6°

Typical Characteristics



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MINIATURE RESTRICTORS

