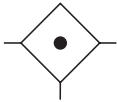


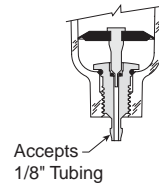
10F Coalescing Filters – Miniature



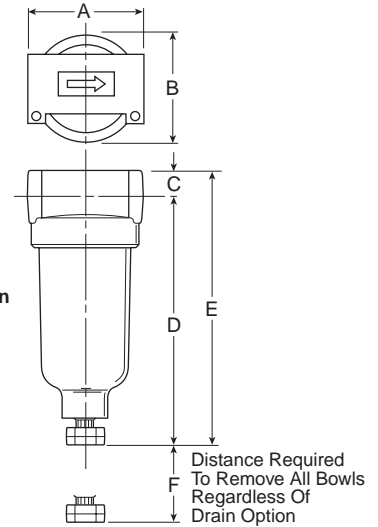
Features

- Removes liquid aerosols and sub-micron particles.
- Liquids gravitate to the bottom of the element and will not re-enter the airstream.
- Oil free air for critical applications, such as air gauging and pneumatic instrumentation and controls.
- Interchangeable twist and automatic pulse drains.
- Grade 6 element, 99.97% DOP efficiency.
- High Flow: Grade 6 Element
 1/8" – 17 SCFM[§]
 1/4" – 20 SCFM[§]
 Grade 10 Element
 1/8" – 19 SCFM[§]
 1/4" – 24 SCFM[§]

Automatic Pulse Drain



Accepts 1/8" Tubing



Distance Required To Remove All Bowls Regardless Of Drain Option

Port Size	NPT	
	Twist Drain	Automatic Pulse Drain
Poly Bowl †		
1/8"	10F01E*	10F05E*
1/4"	10F11E*	10F15E*
Metal Bowl without Sight Gauge		
1/8"	10F03E*	10F07E*
1/4"	10F13E*	10F17E*

10F Coalescing Filter Dimensions		
A 1.69 (43)	B 1.56 (39,6)	C 0.39 (10)
D 3.82 (97)	D† 3.67 (93)	E 4.21 (107)
E† 4.06 (103)	F 1.60 (41)	

Inches (mm)

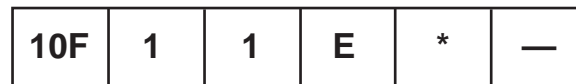
† With Automatic Pulse Drain.

Standard part numbers shown bold, with Grade 6 Elements (for Grade 10 Elements, replace "E" with "H" in the 6th position). For other models refer to ordering information below.

† For polycarbonate bowl see Caution on page C2.

§ SCFM = Standard cubic feet per minute at 90 psig inlet and 5 psig pressure drop.

Ordering Information



Port Size
0 1/8 Inch
1 1/4 Inch

Bowl Options
Polycarbonate Bowl
1 Twist Drain
5 Automatic Pulse Drain
Metal Bowl
3 Twist Drain
7 Automatic Pulse Drain

Elements
E Grade 6
H Grade 10

Engineering Level
* Will be Entered at Factory

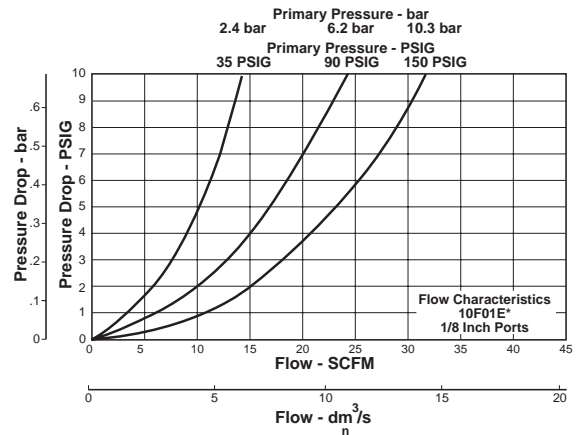
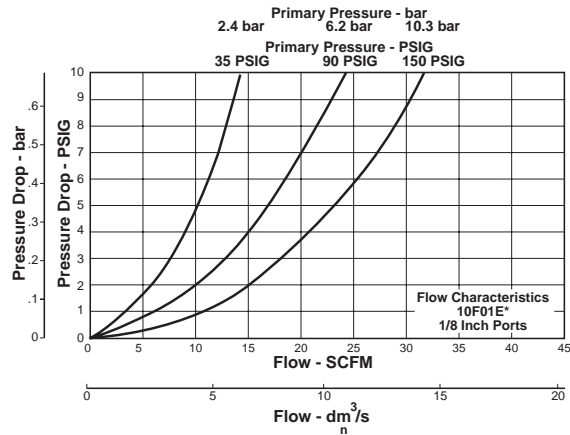
Port Type	
Blank	NPT
1	BSPP
2	BSPT

BOLD ITEMS ARE MOST POPULAR.

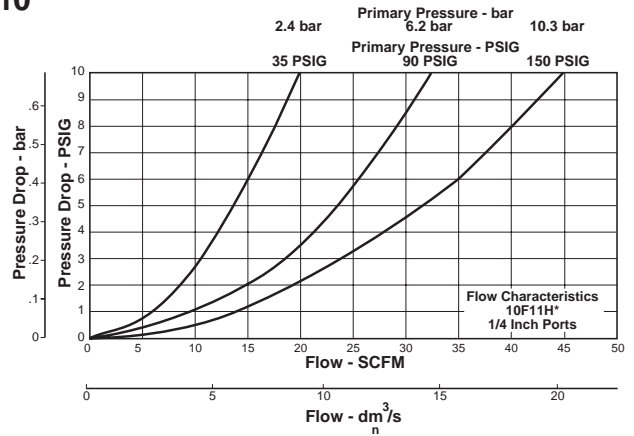
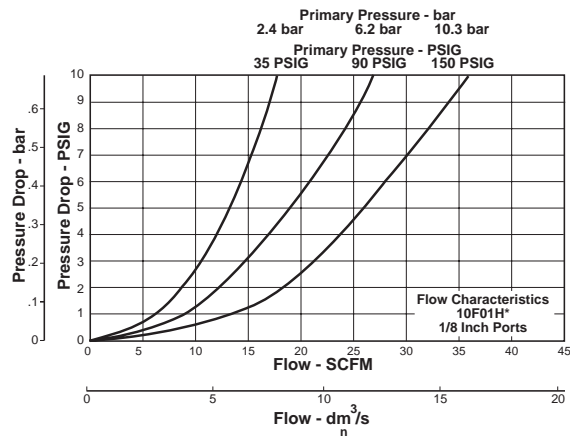


Technical Information

Grade 6



Grade 10



10F Coalescing Filter Kits & Accessories

Bowl Kits –

- Poly Bowl – Automatic Pulse Drain PS408BP
- Twist Drain PS404P
- Metal Bowl – Automatic Pulse Drain PS451BP
- Twist Drain PS447BP

- Filter Element Kits – Grade 6 (Standard)..... PS446P**
- Grade 10 (Optional) PS456P

- Mounting Bracket Kit PS417BP**

Specifications

- Automatic Pulse Drain Tube Barb..... 1/8 Inch**
- Bowl Capacity 1 Ounce**
- Operation –**
 - Normal Operating Pressure Drop2 psig
 - Maximum Recommended Pressure Drop 10 psig (Element should be replaced)
- Port Threads 1/8, 1/4 Inch**
- Pressure & Temperature Ratings –**
 - Polycarbonate Bowl 0 to 150 psig (0 to 10.3 bar)
32°F to 125°F (0°C to 52°C)
 - Metal Bowl..... 0 to 250 psig (0 to 17.2 bar)
32°F to 175°F (0°C to 80°C)
 - Automatic Pulse Drain10 to 250 psig (0.7 to 17.2 bar)
at 125°F (52°C) or less
- Weight 0.41 lb. (0.18 kg)**

Materials of Construction

- Body Zinc**
- Bowls Transparent Polycarbonate**
Metal (Zinc) Without Sight Gauge
- Drains – Twist Drain –**
 - Body & Stem Plastic
 - SealsNitrile
- Automatic Pulse Drain –**
 - Piston & Seals.....Nitrile
 - Stem, Seat, Adaptor & Washers..... Aluminum
- Element Holder Plastic**
- Filter Element –**
 - Borosilicate & felt glass fibers 99.97% DOP efficiency
 - Largest Aerosol Particle Passed (Grade 6) 0.01 Micron
 - Largest Solid Particle Passed (Grade 6)..... 0.30 Micron
- SealsNitrile**

