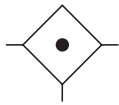
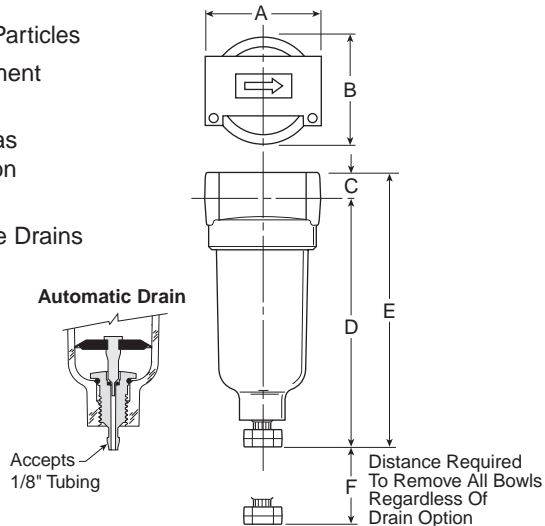


## 10F Coalescing Filters – Miniature



### 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<sup>§</sup>
    - 1/4" – 20 SCFM<sup>§</sup>
  - Grade 10 Element
    - 1/8" – 19 SCFM<sup>§</sup>
    - 1/4" – 24 SCFM<sup>§</sup>



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

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

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.

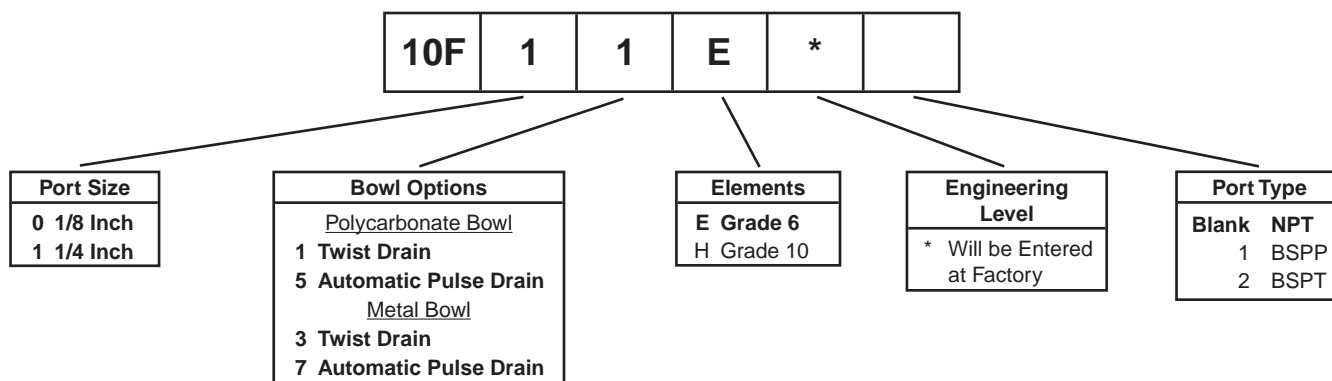
† For polycarbonate bowl see Caution on page C2.

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

Inches (mm)

† With Automatic Pulse Drain.

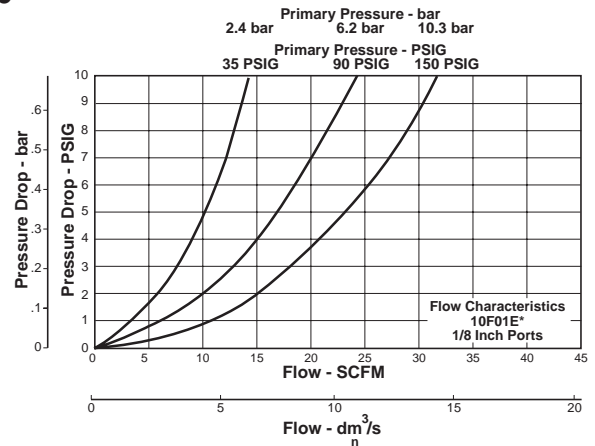
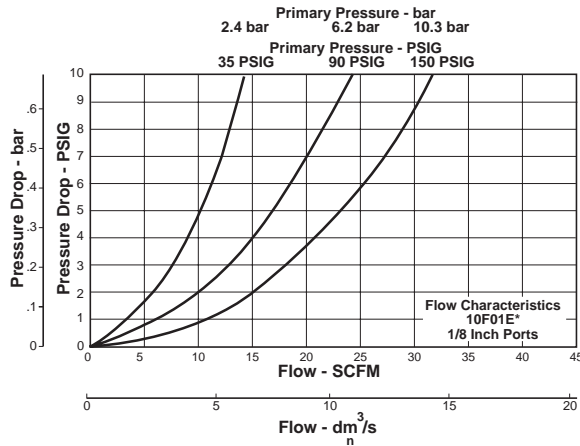
### Ordering Information



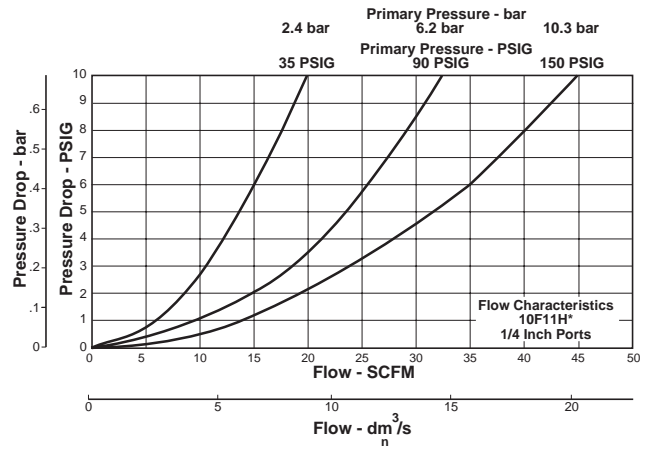
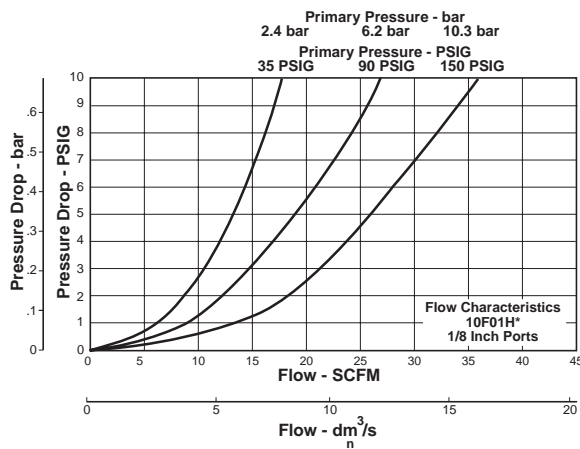
**BOLD ITEMS ARE MOST POPULAR.**

**Technical Information**

**Grade 6**



**Grade 10**



**10F Coalescing Filter Kits & Accessories**

- Bowl Kits –**
  - Poly Bowl –
    - Automatic Pulse Drain ..... PS408P
    - Twist Drain ..... PS404P
  - Metal Bowl –
    - Automatic Pulse Drain ..... PS451P
    - 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 Drop ..... 2 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)
- 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
    - Seals ..... Nitrile
  - 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) ..... 0.75 Micron
  - Largest Solid Particle Passed (Grade 6) ..... 0.30 Micron
- Seals ..... Nitrile**

**Media Specifications**

Grade	D.O.P. Coalescing Efficiency 0.3 to 0.6 Micron Particles	Maximum Oil Carryover <sup>1</sup> PPM w/w	Pressure Drop (PSID) <sup>2</sup> @ Rated Flow		Particulate Micron Rating
			Media Dry	Media Wet With 10-20 wt. oil	
6	99.97%	0.008	1.0	2-3	0.01
10	95%	0.85	0.5	0.5	0.7

<sup>1</sup> Tested per BCAS 860900 at 40 ppm inlet.  
<sup>2</sup> Add dry + wet for total pressure drop.  
 D.O.P. = Dioctylphthalate

