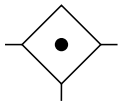
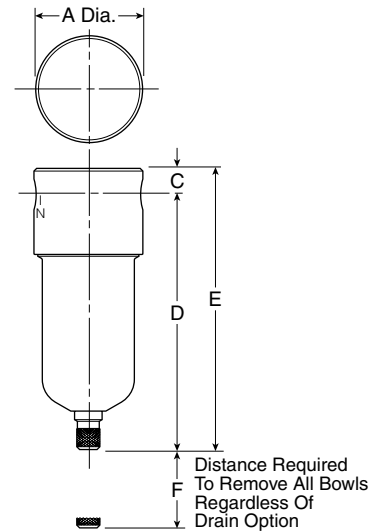


**F501, F507 Coalescing Filters – Miniature**



**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 – 8 SCFM<sup>§</sup>  
 Grade 10 element – 10 SCFM<sup>§</sup>



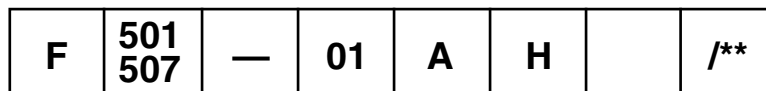
Port Size	NPT	
	Grade 6	Grade 10
Polycarbonate Bowl, Manual Twist Drain †		
1/8"	<b>F501-01AH</b>	<b>F507-01AO</b>
1/4"	<b>F501-02AH</b>	<b>F507-02AO</b>
Metal Bowl without Sight Gauge, Manual Twist Drain		
1/8"	<b>F501-01DH</b>	<b>F507-01DO</b>
1/4"	<b>F501-02DH</b>	<b>F507-02DO</b>

F501 / F507 Coalescing Filter Dimensions		
<b>A</b> 1.56 (39.7)	<b>B</b> .038 (9.5)	<b>D</b> 3.78 (96)
<b>D†</b> 3.62 (92)	<b>E</b> 4.16 (105.6)	<b>E†</b> 4.00 (101.6)
<b>F</b> .75 (77)	<b>F†</b> .75 (77)	

**Bold Items are Most Popular.**  
**For other models refer to ordering information below.**  
 † For polycarbonate bowl see Caution on page inside cover.  
 § SCFM = Standard cubic feet per minute at 100 PSIG inlet and 1.0 PSIG Grade 6, .5 PSIG Grade 10 pressure drop.

Inches (mm)  
 † With Metal Bowl

**Ordering Information**



<b>Port Threads</b> — NPT G BSPP	<b>Port Size</b> 01 1/8 Inch 02 1/4 Inch	<b>Bowl</b> A Polycarbonate D Metal	<b>Elements</b> F501 H Grade 6 F507 O Grade 10	<b>Drains and Options</b> Blank S Automatic Pulse Drain U Semi-Auto Drain X33* Polyurethane Bowl X64 Fluorocarbon Seals X67 With Mounting Bracket	<b>Engineering Change Designator</b> Will be entered at factory.
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\* Add .65" to overall length.

**BOLD ITEMS ARE MOST POPULAR.**



**Technical Information**

**Coalescing Filter Flow Ratings in SCFM**

F501 Flow measured at 100 PSIG inlet pressure and 1.0 PSIG pressure drop.

F507 Flow measured at 100 PSIG inlet pressure and 0.5 PSIG pressure drop.

For Inlet Pressures other than 100 PSIG

Inlet Pressure	F501-H	F507-O	Inlet Pressure	F501H	F507-O
10	1.7	2.2	160	12.2	15.2
20	2.4	3.0	170	12.9	16.1
30	3.1	3.9	180	13.6	17.0
40	3.8	4.8	190	14.3	17.8
50	4.5	5.6	200	15.0	18.7
60	5.2	6.5	210	15.7	19.6
70	5.9	7.4	220	16.4	20.5
80	6.6	8.3	230	17.1	21.3
90	7.3	9.1	240	17.8	22.2
100	8.0	10.0	250	18.5	23.1
110	8.7	10.9	260	19.2	23.9
120	9.4	11.7	270	19.9	24.8
130	10.1	12.6	280	20.6	25.7
140	10.8	13.5	290	21.3	26.6
150	11.5	14.4	300	21.9	27.4
<b>Polycarbonate Bowl Limit 150 PSIG</b>			<b>Mini Zinc Bowl Only Limit 300 PSIG</b>		

**F501, F507 Filter Kits & Accessories**

**Bowl Kits –**

- Polycarbonate (A) ..... BK504Y
- Metal (D) ..... BK505Y
- Polycarbonate (A) with Automatic Pulse Drain ..... BK504SY
- Metal (D) with Automatic Pulse Drain ..... BK505SY

**Drain Kits –**

- Manual Twist Drain ..... SA600Y7-1
- Automatic Pulse Drain ..... RK504SY
- Semi-Automatic “Overnight” Drain ..... SA602A7  
(Drains automatically under zero pressure)

**Filter Element Kits –**

- Grade 6 ..... EKF501H
- Grade 10 ..... EKF507

**Mounting Bracket Kit** ..... Must be Ordered with Filter

**Specifications**

**Bowl Capacity** ..... 1 Ounce

**Port Threads** ..... 1/8, 1/4 Inch

**Pressure & Temperature Ratings –**

- Polycarbonate Bowl ..... 0 to 150 PSIG (0 to 10.2 bar)  
40°F to 125°F (4.4°C to 52°C)
- Metal Bowl ..... 0 to 300 PSIG (0 to 20.4 bar)  
40°F to 180°F (4.4°C to 82.2°C)
- With Automatic Pulse Drain ..... 175 PSIG Max. Press. (11.9 bar)

( ) = BOWL TYPE

**Weight**

- Polycarbonate Bowl ..... 0.3 lb. (0.14 kg) / Unit  
7 lb. (3.18 kg) / 24-Unit Master Pack
- Metal Bowl ..... 0.5 lb. (0.23 kg) / Unit  
12 lb. (5.44 kg) / 24-Unit Master Pack

**Materials of Construction**

- Body** ..... Aluminum
- Bowls** ..... Polycarbonate  
Metal (Zinc)
- Drains** ..... Brass
- Filter Elements** ..... Borosilicate Fibers & Felt
- End Caps** ..... Urethane
- 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

