

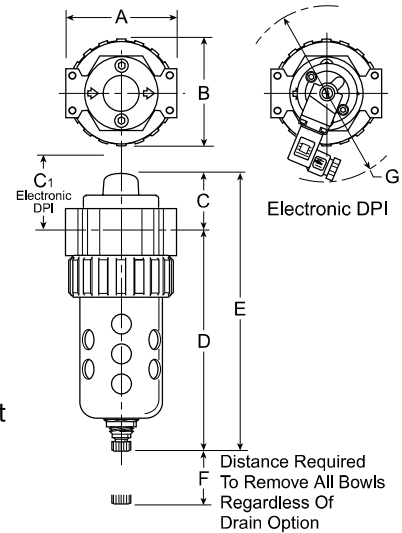
F701 Coalescing Filters – Compact



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 float drains
- Differential pressure indicator standard
- Shown with recommended metal bowl guard
- High flow:

Grade 6 element	Grade 10 element
1/4" – 45 SCFM [§]	1/4" – 60 SCFM [§]
3/8" – 48 SCFM [§]	3/8" – 72 SCFM [§]
1/2" – 65 SCFM [§]	1/2" – 95 SCFM [§]



Port Size	NPT	
	Twist Drain	Automatic Float Drain
Poly Bowl † / Metal Guard		
1/4"	F701-022E*	F701-026E*
3/8"	F701-032E*	F701-036E*
1/2"	F701-042E*	F701-046E*
Metal Bowl / Sight Gauge		
1/4"	F701-024E*	F701-028E*
3/8"	F701-034E*	F701-038E*
1/2"	F701-044E*	F701-048E*

F701 Coalescing Filter Dimensions			
A	B	C	C1
2.81 (71)	2.74 (70)	1.46 (37)	1.81 (46)
D	D†	E	E†
5.69 (145)	5.74 (146)	7.15 (182)	7.20 (183)
F	G Dia.		
2.25 (57)	4.50 (114)		

Inches (mm)

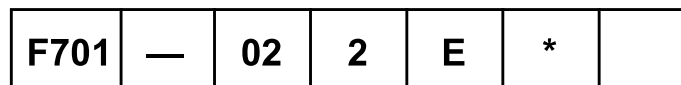
† With Automatic Float Drain

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 inside cover.

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

Ordering Information

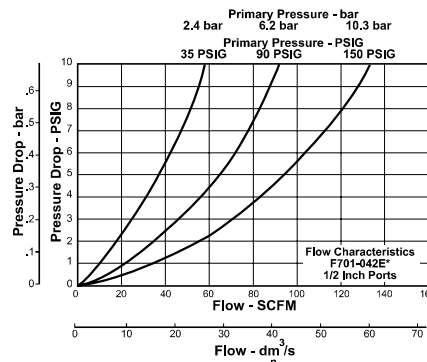
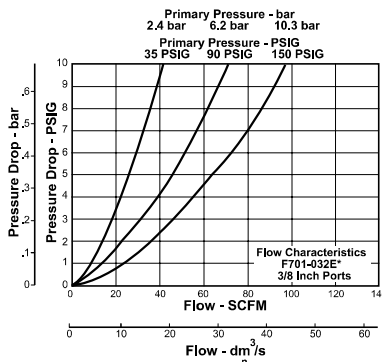
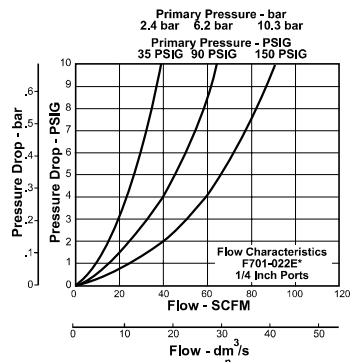


Port Threads — NPT G* BSPP <small>* 1/4 & 3/8 inch meet ISO 1179-1 Standard.</small>	Port Size 02 1/4 Inch 03 3/8 Inch 04 1/2 Inch	Bowl Options <u>Polycarbonate Bowl</u> 2 Metal Bowl Guard / Twist Drain 6 Metal Bowl Guard / Auto Float Drain <u>Metal Bowl</u> 3 Twist Drain 4 Sight Gauge / Twist Drain 7 Auto Float Drain 8 Sight Gauge / Auto Float Drain	Element E Grade 6 (.01 Micron) H Grade 10 (1.0 Micron)	Engineering Level * Will be Entered at Factory.	Options Blank With Differential Pressure Indicator N Without Differential Pressure Indicator
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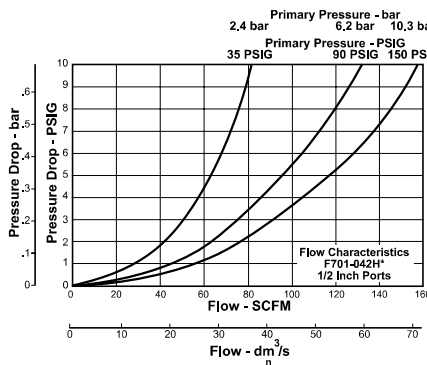
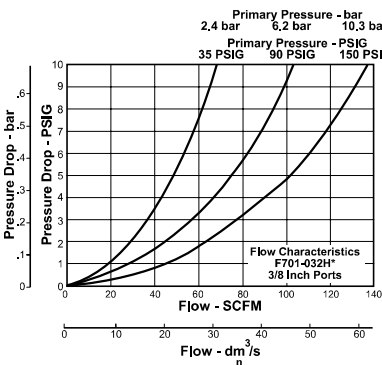
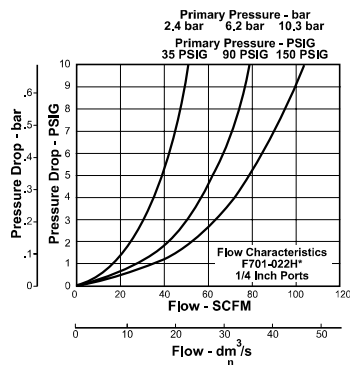
BOLD ITEMS ARE MOST POPULAR.

Technical Information

Grade 6



Grade 10



F701 Coalescing Filter Kits & Accessories

Bowl Guard Kit	PS705
Bowl Kits –	
Poly Bowl – Automatic Float Drain	PS722
Twist Drain	PS732
Metal Bowl – Automatic Float Drain	PS726
Twist Drain	PS734
Sight Gauge / Automatic Float Drain	PS723
Sight Gauge / Twist Drain	PS735
1/4, 3/8, 1/2 Inch (W) (Old F701)	BK605WA
1/4, 3/8, 1/2 Inch (E) (Old F701)	BK603A
DPI Replacement Kit	PS781
Differential Pressure Pop Up Indicator Repair Kit	RK701P
(only works with originally equipped 701 units)	
Differential Pressure Gauge	DP276-P
(only works on units without pop-up indicator)	
Drain Kits –	
Automatic Float Drain	PS506
Twist Drain	PS512
Internal Automatic Drain - High Pressure (T) (Old F701)	SA702MD
Manual Twist Drain (Old F701)	SA600Y7-1
Filter Element Kits –	
Grade 6 (Standard)	PS724
1/4, 3/8, 1/2 Inch (W) (Old F701)	F701-C3-0771
1/4, 3/8, 1/2 Inch (E) (Old F701)	F701-C3-0772
Grade 10 (Optional)	PS730
1/4, 3/8, 1/2 Inch (W) (Old F701)	F701-C7-0771
1/4, 3/8, 1/2 Inch (E) (Old F701)	F701-C7-0772
Mounting Bracket Kit	PS743
1/4, 3/8, 1/2 (Mounts to Filter Head) (Old F701)	SAF602-0572
Sight Gauge Kit	PS914

Sump Capacity	1.75 Ounces
Operation – Normal Operating Pressure Drop	2 PSIG
Maximum Recommended Pressure Drop	10 PSIG
(Element should be replaced)	
Minimum Recommended Flow –	20% Nominal Rating of Element

Port Threads

Pressure & Temperature Ratings –	
Without Differential Pressure Indicator:	
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)
With Differential Pressure Indicator:	
0 to 150 PSIG (0 to 10.3 bar)	32°F to 125°F (0°C to 52°C)
Automatic Float Drain – 15 to 250 PSIG (1.0 to 17.2 bar)	

Weight

Materials of Construction

Body	Zinc
Bowls	Transparent Polycarbonate
	Metal (Zinc) With or Without Sight Gauge
Bowl Guard	Steel
Collar	Plastic
Drains – Twist Drain – Body & Nut	Plastic
Automatic Float Drain –	Housing, Float Plastic
Seals	Nitrile
Springs, Push Rod	Stainless Steel

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
Seals	Nitrile
Sight Gauge	Nylon

Specifications

Bowl Capacity	4.4 Ounces
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