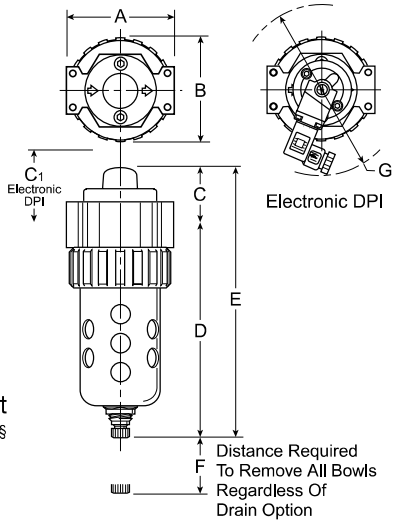
F701 Coalescing Filters – Standard

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 3/4" – 80 SCFM§ Grade 10 element 3/4" – 160 SCFM§



Port Size	NPT	
	Twist Drain	Automatic Float Drain
Poly Bowl ‡ / Metal Guard		
3/4"	**F701-062E***	**F701-066E***
Metal Bowl / Sight Gauge		
3/4"	**F701-064E***	**F701-068E***

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.

F701 Coalescing Filter Dimensions			
A 3.24 (82)	**B** 3.25 (83)	**C** 1.63 (41)	**C1** 2.00 (51)
D 6.97 (177)	**D†** 7.00 (178)	**E** 8.60 (218)	**E†** 8.63 (219)
F 2.75 (70)	**G Dia.** 4.50 (114)		

Inches (mm)

† With Automatic Float Drain

Ordering Information

F701	—	06	2	E	*	

Port Threads
- **— NPT**
- G BSPP

Port Size
- **06 3/4 Inch**

Bowl Options

Polycarbonate Bowl
- **2 Metal Bowl Guard / Twist Drain**
- **6 Metal Bowl Guard / Auto Float Drain**

Metal Bowl
- 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.

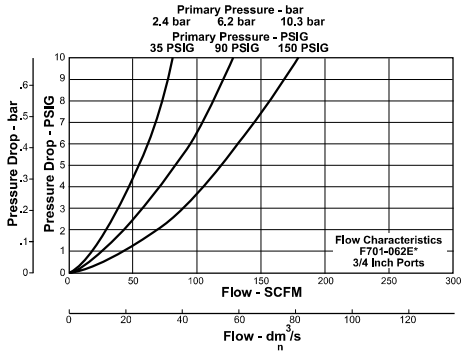
Options
- **Blank With Differential Pressure Indicator**
- N Without Differential Pressure Indicator

BOLD ITEMS ARE MOST POPULAR.

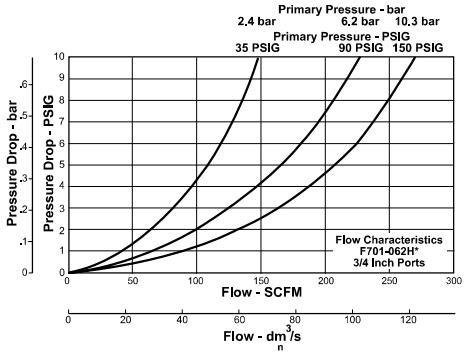
Parker Hannifin Corporation
Pneumatic Division
Richland, Michigan
www.wattsfluidair.com

Technical Information

Grade 6



Grade 10



F701 Coalescing Filter Kits & Accessories

Bowl Guard Kit PS805

Bowl Kits –
Poly Bowl – Automatic Float Drain PS822
Twist Drain PS832
Metal Bowl – Automatic Float Drain PS826
Twist Drain PS834
Sight Gauge / Automatic Float Drain PS823
Sight Gauge / Twist Drain PS835

DPI Replacement Kit PS781

Drain Kits –
Automatic Float Drain PS506
Twist Drain PS512
Manual Twist Drain SA600Y7-1

Filter Element Kits –
Grade 6 (Standard) PS824
Grade 10 (Optional) PS830

Mounting Bracket Kit PS843

Sight Gauge Kit PS914

Specifications

Bowl Capacity ..... 7.2 Ounces

Sump Capacity ..... 2.8 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 ..... 1/2 & 3/4 Inch

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 ..... 2.4 lb. (1.1 kg)

Materials of Construction

Body ..... Zinc

Bowls ..... Transparent Polycarbonate
Metal (Zinc) With or Without Sight Gauge

Bowl Guard ..... Steel

Collar ..... Plastic or Metal

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

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