12F 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 Grade 10 Element
  - 1/2" – 75 SCFM§
  - 1/2" – 125 SCFM§
  - 3/4" – 80 SCFM§
  - 3/4" – 160 SCFM§

Port Size NPT

<table>
<thead>
<tr>
<th>Poly Bowl ‡ / Metal Guard</th>
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<td>1/2&quot;</td>
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<td>3/4&quot;</td>
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<tr>
<th>Metal Bowl / Sight Gauge</th>
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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

| 3 1/2 Inch |
| 4 3/4 Inch |

Bowl Options

- Polycarbonate Bowl
- Metal Bowl Guard / Twist Drain
- Metal Bowl Guard / Auto Float Drain

Elements

- E Grade 6
- H Grade 10

Options

- Blank
- With Differential Pressure Indicator

Port Type

- Blank NPT
- 1" BSPP

* 1/2 inch meets ISO 1179-1 Standard.

BOLD ITEMS ARE MOST POPULAR.
Prep-Air® II, 12F Series
Coalescing Filters (Oil Removal)

Technical Specifications – 12F

Technical Information

12F Coalescing Filter Kits & Accessories

Bowl Guard Kit .................................................. PS805P

Bowl Kits –

Poly Bowl – Automatic Float Drain ........................... PS822P
Twist Drain ..................................................... PS832P

Metal Bowl – Automatic Float Drain ........................ PS826P
Twist Drain ..................................................... PS834P
Sight Gauge / Automatic Float Drain ...................... PS823P
Sight Gauge / Twist Drain ................................ PS835P

DPI Replacement Kit ........................................ PS781P

Electronic DPI Replacement Kit .............................. PS764

Drain Kits –

Automatic Float Drain ........................................ PS506P
Semi-Auto Drain ............................................ PS511P
Twist Drain .................................................. PS512P
Push ‘N’ Drain ................................................ PS513P

Electrical Connector - 15mm, 3-Pin DIN, 6 Ft. Cord ... PS2932JPB

Filter Element Kits – Grade 6 (Standard) ................. PS824P
          Grade 10 (Optional) ........................ PS830P

Mounting Bracket Kit ........................................ PS843P

Sight Gauge Kit ................................................ PS914P

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)
Metal Bowl – 0 to 250 psig (0 to 17.2 bar)

With Differential Pressure Indicator:
0 to 150 psig (0 to 10.3 bar)
32°F to 125°F (0°C to 52°C)

Without Differential Pressure Indicator:
0 to 250 psig (0 to 17.2 bar)
32°F to 175°F (0°C to 80°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
          Plastic or Metal

Drains – Twist Drain – Body & Nut ......................... Plastic
          Push ‘N’ Drain – Body .................................... Nitrile
          Stem ...................................................... Brass
          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 ................................................... Polyamide