Coalescing Filter

M18

Specifications

Flow Capacity*
- 1.0 Micron Coalescing: 53 SCFM (25 dm³/s, ANR)
- 0.01 Micron Coalescing: 36 SCFM (17 dm³/s, ANR)
- Activated Carbon Adsorber: 85 SCFM (40 dm³/s, ANR)

Maximum Supply
- Plastic Bowl: 150 PSIG (10 bar)†
- Metal Bowl w/ DPI: 150 PSIG (10 bar)†
- Metal Bowl w/o DPI: 250 PSIG (17 bar)†

Pressure
- Inlet pressure: 91.3 PSIG (6.3 bar), Pressure drop: 3 PSIG (0.2 bar).

Temperature
- Operating: -13° to 125°F (-25° to 52°C)
- Plastic Bowl: -13° to 125°F (-25° to 52°C)
- Metal Bowl: -13° to 150°F (-25° to 65.5°C)

Port Size
- NPT / BSPP-G: 1/4, 3/8, 1/2

Bowl Capacity
- 1.72 oz

Standard Filtration
- Micron: (B) 0.5, (C) 0.01, (D) 0.003 ppm wt**

Weight
- 0.71 lb (0.32 kg)

Materials of Construction

Body: Aluminum
Body Cap: ABS
Bowl: Plastic Bowl Polycarbonate, Metal Bowl Aluminum
Filter Element: Type “B”, “C” Borosilicate Cloth, Type “D” Activated Carbon
Seals: Nitrile
Sight Gauge: Metal Bowl Polyamide (Nylon)

Features

- High-efficiency Removal of Water, Oil Aerosols, and Solid Particulate Contaminants Down to 0.01 ppm / wt with Minimum Pressure Drop
- Modern Design and Appearance
- Light Weight
- High Flow Capacity
- Bowl Guard
- Quick-disconnect Bowl

Notes:
- To optimize the life of the coalescing element, it is advisable to install a pre-filter with a 5 micron element upstream of the coalescing filter.
- To optimize the life of the adsorber element, it is advisable to install a coalescing 0.01 micron filter upstream of the adsorber filter.

* Inlet pressure 91.3 PSIG (6.3 bar), Pressure drop 3 PSIG (0.2 bar).
** Filtration temperature of 70°F (21°C) @ 100 PSIG (6.9 bar) with typical compressor lubricating oil and protected by Type C filter.
† Without pressure indicator — max. supply pressure for metal bowl version is 250 PSIG (17.2 bar).

“M” Series Coalescing Filters, with Type “B” 0.5 micron elements:
All Wilkerson Type “M” Oil Removal (Coalescing) Filters with Type “B” 0.5 micron elements exceed ISO Class 2 for maximum particle size and concentration of solid contaminants, and exceed Class 3 on maximum oil content (ppm/wt).

“M” Series Coalescing Filters, with Type “C” 0.01 micron elements:
All Wilkerson Type “M” Oil Removal (Coalescing) Filters with Type “C” 0.01 micron elements exceed ISO Class 1 on maximum particle size and concentration of solid contaminants, and exceed Class 1 on maximum oil content (ppm/wt).

“M” Series Adsorption Filters, with Type “D” 0.003 micron activated carbon elements:
All Wilkerson Type “M” adsorption filters with Type “D” 0.003 micron activated carbon elements exceed ISO Class 1 on maximum oil content (ppm/wt).
Replacement Bowl Kits
- Metal Bowl with Sight Gauge, Automatic Float Drain: GRP-96-637
- Metal Bowl with Sight Gauge, Manual Drain: GRP-96-636
- Plastic Bowl: GRP-96-635
  - Bowl Guard, Auto Drain: GRP-96-634

Replacement Element Kits
- Type “B”, 0.5 Micron: MSP-96-647
- Type “C”, 0.01 Micron: MTP-96-646
- Type “D”, 0.003 Micron Activated Carbon: MXP-96-650

Accessories
- Automatic Drain – Fluorocarbon: GRP-95-981
  - Nitrile: GRP-95-973
- DPI Replacement Kit: DP8-01-000
- Electronic DPI Conversion Kit: GRP-96-823
  (Converts visual DPI to electronic DPI)
- Electronic DPI Replacement Kit: GRP-96-824
- Manual Drain: GRP-96-685
- Sight Gauge Kit: GRP-96-825
- Wall Mounting Bracket – L-Type: GPA-96-604
  - T-Type: GPA-96-602

Ordering Information

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Port Size</th>
<th>Plastic Bowl / Bowl Guard / C Element</th>
<th>Plastic Bowl / Bowl Guard / B Element</th>
<th>Plastic Bowl / Bowl Guard / D Element</th>
<th>Metal Bowl / Sight Gauge / C Element</th>
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<tr>
<td>Manual Drain</td>
<td>1/4</td>
<td>M18-02-CK00B</td>
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<td>M18-02-DK00B</td>
<td>M18-02-CL00B</td>
<td>M18-02-BL00B</td>
<td>M18-02-GL00B</td>
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<td>3/8</td>
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<td>1/2</td>
<td>M18-04-CK00B</td>
<td>M18-04-BK00B</td>
<td>M18-04-DK00B</td>
<td>M18-04-CL00B</td>
<td>M18-04-BL00B</td>
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<td>Automatic Drain</td>
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<td>M18-02-BG00B</td>
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<td>M18-02-CH00B</td>
<td>M18-02-BH00B</td>
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Options - To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number.