Introducing Our Low Cost, High Efficiency, High Pressure, 100% Machined Anodized Aluminum Assembly

Protect sensitive equipment, dry seal compressors and high volume air & gas applications with our large coalescing filter assemblies. These filters, like their smaller counterparts utilize our microfiber elements to remove upwards of 99.99% of contaminants at 0.01 micron. The 385AHP/390AHP series of coalescing filters have increased liquid holding capacity and are available with optional high volume automatic float drains (with function above 12 psi), and differential pressure indicators which are sensitive in the 2 to 16 psi differential.

Features:
- Rugged, 100% Machined Anodized Aluminum Construction
- Remove 99.99% Of Oil, Water, & Solids From Compressed Air & Other Gases
- Capture Dirt, Coalesce Liquids

Applications:
- Mainline Compressed Air Filtration
- CNG Filtration
- Pre-Filter / Solid Removal In Gas Lines
- Dry Seal Protection

At the heart of our filter products is the filter element. Choosing the correct element insures proper results for your specific application:

Disposable Microfiber Elements
Disposable Microfiber Elements are most commonly used since they offer exceptional filtration, high flows with minimal pressure drops, and excellent chemical compatibility. These are ideal for use in sample conditioning, instrumentation, CNG, and Emission/Environmental service.

- For Coalescing (liquid removal) and particle collection use our grade “CS”. We recommend starting with the 70CS which is rated at 95% efficient at 0.01 micron which provides outstanding filtration, at high flow rates.

Vapor Adsorption Cartridges
Our vapor adsorption cartridges are packed with either carbon/charcoal for oil vapor adsorption (designated as CC-TP) or Silica Gel for water vapor adsorption (designated as SG-TP).

- These units are only for adsorption of oil or water vapor and should be preceded by at least one coalescing filter assembly (70CS).
**HIGH CAPACITY COALESCING FILTERS**

- Fuel Gas Filter
- Accepts Microfiber, Stainless Steel, Vapor Adsorption, & Pleated Elements
- Comes Standard With 70CS For Heavy Coalescing

### TECHNICAL INFORMATION

#### Housing Model

<table>
<thead>
<tr>
<th>Headline Part Number</th>
<th>385AHP</th>
<th>385AHPF</th>
<th>390AHP</th>
<th>390AHPF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Size (NPT)</td>
<td>1 1/2&quot; or 2&quot;</td>
<td>1 1/2&quot; or 2&quot;</td>
<td>2&quot;</td>
<td>2&quot;</td>
</tr>
<tr>
<td>Drain Type (NPT)</td>
<td>Petcock</td>
<td>Automatic</td>
<td>Petcock</td>
<td>Automatic</td>
</tr>
<tr>
<td>Maximum Pressure (psig)</td>
<td>1,000</td>
<td>250</td>
<td>1,000</td>
<td>250</td>
</tr>
<tr>
<td>Maximum Temperature (ºF)</td>
<td>250</td>
<td>250</td>
<td>250</td>
<td>250</td>
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<tr>
<td>Internal Volume (cc)</td>
<td>1500</td>
<td>1480</td>
<td>3000</td>
<td>2980</td>
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<tr>
<td>Weight of Housing (lbs)</td>
<td>11</td>
<td>11</td>
<td>14</td>
<td>14</td>
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</tbody>
</table>

#### Principle Dimensions: (inches) (1)

- Center Of Port To Head: 1.57, 1.57, 1.57, 1.57
- Head Diameter: 5.51, 5.51, 5.51, 5.51
- Overall Length: 15.24, 17.24, 24.92, 24.92
- Element Removal Clearance: 10.94, 12.94, 18.98, 20.98

#### Filter Element Codes: (2)

- Stainless Steel Element: 51-230-□, SS-51-230-□, 51-476-□, SS-51-476-□
- Vapor Adsorption Cartridge: S1-230-□TP, --, 51-476-□TP, --
- Pleated (For Particulate): S1-230-□PL-TP, S1-230-□PL-TP, 51-476-□PL-TP, 51-476-□PL-TP

#### Materials Of Construction:

- Head: Aluminum, Aluminum, Aluminum, Aluminum
- Bowl: Aluminum, Aluminum, Aluminum, Aluminum
- Internals: Nylon, Nylon, Nylon, Nylon
- O-Rings (Standard): Viton, Viton, Viton, Viton
- Drain: Brass, Plastic/Brass, Brass, Plastic/Brass

#### Accessories:

- Mounting Bracket: MB385, MB385, MB390, MB390
- Buna-N Seal Set: BN385AHP, BN385AHP, BN385AHP, BN385AHP
- EPDM Seal Set: GE385AHP, GE385AHP, GE385AHP, GE385AHP
- Kalrez Seal Set: KZ385AHP, KZ385AHP, KZ385AHP, KZ385AHP
- Viton Seal Set Standard: GV385AHP, GV385AHP, GV385AHP, GV385AHP
- Float Drain: N/A, FD300, N/A, FD300
- Visual Differential Indicator: 300VDI, 300VDI, 300VDI, 300VDI

### Housing Model w/Indicator

Maximum Pressure with Indicator - 500 PSIG

<table>
<thead>
<tr>
<th>Housing Model w/Indicator</th>
<th>385AHPVDI</th>
<th>385AHPFVDI</th>
<th>390AHPVDI</th>
<th>390AHPFVDI</th>
</tr>
</thead>
</table>

#### FLOW RATE IN SCFM FOR ABOVE ASSEMBLIES WITH GRADE 50CS (3) or 70CS (4)

<table>
<thead>
<tr>
<th>Air Line Pressure (PSIG)</th>
<th>385AHP Series</th>
<th>390AHP Series</th>
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<tbody>
<tr>
<td>2</td>
<td>21</td>
<td>35</td>
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<tr>
<td>15</td>
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<tr>
<td>1000</td>
<td>1300</td>
<td>2182</td>
</tr>
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</table>

**Notes:**

1. Dimensions are based on housing and does not include measurement for indicator
2. Replace “□” with grade required, e.g. 51-230-70CS, SS-51-476-25, 51-476-50PL-TP
3. Flow rates for Grade 50CS rated at 99.99% against 0.01 micron
4. Flow rates for Grade 70CS rated at 95% against 0.01 micron