FAS and FAC Series
Single Cartridge Filter Housings with Bolt & Nut Closure for Air & Gases

- Designed for industrial and commercial filter applications
- Heavy duty construction for maximum durability
- Various materials of construction for wide range of process requirements
  - 304L or 316L stainless steel
  - Brass nickel plated head with 304L SS body
  - Cast Iron Head with a steel body
- Accepts Double Open-End (DOE) cartridges
- Numerous gasket options for compatibility with most fluids
- Bolt-nut-closure design for quick cartridge change outs (T-handle optional)
- In line connections for easy installation
- Knife edge seals at both end of cartridge housing eliminate potential bypass.

**Applications**

<table>
<thead>
<tr>
<th>Water</th>
<th>Desalination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemicals</td>
<td>Food &amp; Beverage</td>
</tr>
<tr>
<td>Electronics</td>
<td>Oil / Gas</td>
</tr>
<tr>
<td>Air</td>
<td>Inks / Paints / Coatings</td>
</tr>
<tr>
<td>Gases</td>
<td>Pulp &amp; Paper</td>
</tr>
</tbody>
</table>

**Specifications & Operating Parameters**

**Maximum Operating Pressure**
250 psig (17 bar) @ 275°F (135°C)
125 psig (8.6 bar) @ 200°F (93.3°C): FAC-15 Series

**Connections**
Inlet/Outlet: 1/2", 3/4" or 1" FNPT
1/4" and 3/8" only available for FAC Series
Optional: RF Flanges, Sanitary Ferrules, BSP

Drain Port: 1/8" NPT (1/4" for FO-38 models)

**Gaskets**
Buna
Optional: EPR, Silicone, Viton, Teflon, Neoprene, Vellumoid

**Materials of Construction**
Head / Shell: FAS - 304L or 316L Stainless Steel
FAC - Cast iron head / carbon steel
Drain: FAS - Stainless Steel Plug
FAC - Brass Petcock

**Options**
- Vent Port with Vent Screw
- Gauge Ports
- Bracket Kit
- Variable Spring Load Seal
- Tee Handle

*See Ordering Guide for complete selection of options*
Housings may be customized to meet your precise requirements. Contact Shelco's technical support staff or your distributor for more information.

**Customization**

Housings may be customized to meet your precise requirements. Contact Shelco’s technical support staff or your distributor for more information.

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**Ordering Guide (Example: FAS-786-316-TH-E )**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>QUANTITY (LENGTH) OF CARTRIDGES</th>
<th>RATED FLOW CAPACITY SCFM</th>
<th>MAXIMUM DIAMETER CARTRIDGE</th>
<th>DRAIN SIZE</th>
<th>STANDARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA-15</td>
<td>1 (1 7/8')</td>
<td>15</td>
<td>2 3/4'</td>
<td>1/4'</td>
<td>7 11/16' (19.5)</td>
</tr>
<tr>
<td>FA-39</td>
<td>1 (4 7/8')</td>
<td>40</td>
<td>2 3/4'</td>
<td>1/8'</td>
<td>8 7/8' (22.5)</td>
</tr>
<tr>
<td>FA-78</td>
<td>1 (9 3/4')</td>
<td>80</td>
<td>2 3/4'</td>
<td>1/8'</td>
<td>13 3/4' (34.9)</td>
</tr>
<tr>
<td>FA-80</td>
<td>1 (20')</td>
<td>140</td>
<td>2 3/4'</td>
<td>1/8'</td>
<td>23 7/8' (60.6)</td>
</tr>
<tr>
<td>FA-90</td>
<td>1 (30')</td>
<td>220</td>
<td>2 3/4'</td>
<td>1/8'</td>
<td>33 7/8' (86.0)</td>
</tr>
</tbody>
</table>

* Based upon air with a 10 micron wound element @ 70°F, 2 psid @ 80 psi. Rated capacities are guide lines only, actual flow rates are based on cartridge type, micron ratings and other factors.

**Dimensions**

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**Ordering Guide (Example: FAS-786-316-TH-E )**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>MATERIAL</th>
<th>CARTRIDGE LENGTH*</th>
<th>PIPE SIZE FNPT</th>
<th>OPTIONAL MATERIAL</th>
<th>OPTIONS</th>
<th>GASKET</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA</td>
<td>S = 304L Stainless Steel with stainless steel drain plug C = Cast iron head with steel sump and brass petcock drain</td>
<td>15 = 1 7/8''</td>
<td>2 = 1/4''</td>
<td>Blank = None</td>
<td>Blank = None</td>
<td>B = Buna N (Standard)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>39 = 4 7/8''</td>
<td>3 = 3/8''</td>
<td></td>
<td>BSP = BSP threads</td>
<td>E = EPR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>78 = 9 3/4''</td>
<td>4 = 1/2''</td>
<td></td>
<td>1F = 1&quot; Flange+</td>
<td>S = Silicone</td>
</tr>
<tr>
<td></td>
<td></td>
<td>80 = 20''</td>
<td>6 = 3/4''</td>
<td></td>
<td>1TC = 1&quot; Ferrules+</td>
<td>V = Viton</td>
</tr>
<tr>
<td></td>
<td></td>
<td>90 = 30''</td>
<td>8 = 1&quot;</td>
<td></td>
<td>Vent = Vent Screw++</td>
<td>T = Teflon</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>316 = 316L</td>
<td>Blank = None</td>
<td>N = Neoprene</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>10 = 10&quot; Cartridge Length</td>
<td></td>
<td>Veli = Vellumoid</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>195 = 19 1/2&quot; Cartridge Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>294 = 29 1/4&quot; Cartridge Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Vent = Vent Screw++</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Available in 10", 19 1/2" and 29 1/4" length - see options in ordering guide
+ Available only in FOS stainless steel series
**Available only in FAC Series
++ When ordering vents or gauge ports, specify location : I = Inlet, O = Outlet, I/O = Inlet and Outlet. Example = GP4/I/O

**Customization**

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**Shelco Filters**

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