1HF & 1UHF Series
High Flow Single Cartridge Housings

- High Flow Single Cartridge Housings are designed for economical industrial and commercial filtration needs. Reduced filter costs and maintenance requirements provide significant cost savings
- ASME "U" code design housings for commercial and industrial filtration needs
- Heavy-duty 304L or 316L stainless steel construction for maximum durability and corrosion resistance
- Available in 20”, 40” and 60” length designs
- Swing bolt closure for quick and easy cartridge change-outs
- Holds one High Flow Series element for fast and simple push / pull installation
- O-ring seal on cartridge eliminates bypass
- Inside-out flow retains contaminant during change out
- Heavy-duty stainless steel mounting leg assembly
- Available in horizontal and vertical designs
- Gauge ports standard

Applications
- Water
- Pre RO Systems
- Chemicals
- Electronics
- Oil and Gas
- Sea Water: 134W or 135 coating required.

Specifications & Operating Parameters

Maximum Operating Pressure
150 psig (10.3 bar) @ 300°F (149°C)

Connections
Inlet/Outlet: 2F, 3F, 4F
Optional: NPT, TC, BSP, DIN consult with factory

Finish
Glass Bead on exterior surfaces
Optional: Poly-coat, Electro-polish, Passivate, 134W (NSF 61) or 135 coating

Gaskets
Standard: Buna N (FDA Grade)
Optional: EPR, Silicone or Viton

Materials of Construction
- Head and Shell: 304L or 316L Stainless Steel
- Connections: 304L or 316L Stainless Steel
- Vent and Drain Plugs: 304L or 316L Stainless Steel
- Swing Bolt Hardware: Zinc Plated Steel

Cartridge Type
HFC – High Flow cartridge, 6” Dia nom x 20”, 40” or 60” lengths
Heavy-duty exterior hard cage. See HFC data sheet for cartridge selection.

Custom Options
- Pressure gauges installed
- Outlet porting options
- Vertical orientations
See ordering guide for complete selection of options

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**Housing Flow vs. Pressure Drop**

![Graph showing housing flow vs. pressure drop](image)

**Dimensions: Inches** *(Dimensions below are for general layout only, consult with factory for approval drawings)*

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CTG. LENGTH</th>
<th>STYLE</th>
<th>MAX FLANGE</th>
<th>FLOW CAPACITY*</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1HF2V-3F</td>
<td>20&quot;</td>
<td>V</td>
<td>3F</td>
<td>175</td>
<td>43 1/4&quot;</td>
<td>31 7/8&quot;</td>
<td>23 7/8&quot;</td>
<td>12 1/2&quot;</td>
</tr>
<tr>
<td>1UHF2V-4F</td>
<td>20&quot;</td>
<td>V</td>
<td>4F</td>
<td>175</td>
<td>42 1/8&quot;</td>
<td>31 7/8&quot;</td>
<td>23 7/8&quot;</td>
<td>17&quot;</td>
</tr>
<tr>
<td>1HF4H-3F</td>
<td>40&quot;</td>
<td>H</td>
<td>3F</td>
<td>250</td>
<td>58 7/16&quot;</td>
<td>26 1/16&quot;</td>
<td>48 1/8&quot;</td>
<td>6 1/4&quot;</td>
</tr>
<tr>
<td>1UHF4H-4F</td>
<td>40&quot;</td>
<td>H</td>
<td>4F</td>
<td>350</td>
<td>60 15/16&quot;</td>
<td>26 1/16&quot;</td>
<td>51 7/8&quot;</td>
<td>8 3/8&quot;</td>
</tr>
<tr>
<td>1HF6H-3F</td>
<td>60&quot;</td>
<td>H</td>
<td>3F</td>
<td>300</td>
<td>78 7/16&quot;</td>
<td>26 1/16&quot;</td>
<td>68 1/8&quot;</td>
<td>6 1/4&quot;</td>
</tr>
<tr>
<td>1UHF6H-4F</td>
<td>60&quot;</td>
<td>H</td>
<td>4F</td>
<td>500</td>
<td>80 15/16&quot;</td>
<td>26 1/16&quot;</td>
<td>71 7/8&quot;</td>
<td>8 3/8&quot;</td>
</tr>
</tbody>
</table>

*Flow capacity is for guidelines only, actual flow rates are based on fluid, viscosity, micron ratings, connections size and other factors. Please consult the factory for specific product selection.*

**Ordering Guide (Example: 1HF4H4-3FB-135)**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
<th>STYLE</th>
<th>MATERIAL</th>
<th>CONNECTIONS</th>
<th>GASKET</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1HF</td>
<td>4</td>
<td>H</td>
<td>4</td>
<td>2F = Flanged</td>
<td>B = Buna N (Standard)</td>
<td>GPA = Gauge Ports w/ Gauges</td>
</tr>
<tr>
<td>UHF ASME CODE</td>
<td>2 = 20&quot;</td>
<td>H = Horizontal</td>
<td>4 = SS</td>
<td>3F = Flanged</td>
<td>E = EPR</td>
<td>134W = Coating (NSF 61)</td>
</tr>
<tr>
<td></td>
<td>4 = 40&quot;</td>
<td>V = Vertical</td>
<td>6 = 316L SS</td>
<td>4F = UHF Only</td>
<td>V = Viton</td>
<td>135 = Coating</td>
</tr>
<tr>
<td></td>
<td>6 = 60&quot;</td>
<td></td>
<td></td>
<td></td>
<td>S = Silicone</td>
<td>EP = Electropolished</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>T/S = Teflon Encapsulated</td>
<td>P = Passivate</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Silicone</td>
<td>NS = No stamp UHF only</td>
</tr>
</tbody>
</table>

**Customization**

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

**High Flow Cartridges**

Ask us about our compatible High Flow Cartridges.