Shelco RH Series
Single Cartridge Filter Housings with Ring Nut Closure

- Designed for industrial and commercial filter applications
- Heavy duty construction for maximum durability
- Various materials of construction for a wide range of process requirements
  - 316L stainless steel
  - Brass head with 304L Stainless Steel body
- Accepts Double Open End (DOE) and Single Open End (SOE) 213 Internal O-ring
- Available with 1/2", 3/4" and 1" in-line connections for easy installation.
- Ring nut closure for quick cartridge change outs
- Spring loaded knife edge seal provides positive sealing for variable length cartridges
- Supplied with mounting bracket kit and wrench
- Numerous gasket options for compatibility with most fluids

Applications
Water
Chemicals
Food & Beverage
Electronics
Oil
Inks / Paints / Coatings
Coolants
Pulp & Paper

Specifications & Operating Parameters

Maximum Operating Pressure
300 psig (20.7 bar) @ 200°F (93°C)

Connections
Inlet/Outlet: 1/2", 3/4" or 1" FNPT
  Optional: BSPT, BSPP, Sanitary Ferrules
Drain: RHS - 1/4" NPT Plug
  RHB - 1/4" NPT Petcock

Materials of Construction
Head / Shell: RHS 316L SS / 316L SS
  RHB Brass / 304L Stainless Steel
Drain: RHS - 316L SS Plug
  RHB - Brass Petcock
Ring: RHS - Nickel Plated Brass
  RHB - Brass

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

Cartridge Type
DOE and SOE 213 Internal O-ring

Custom Options
- Gauge Ports
- Vent Port with Vent Screw
See Ordering Guide for complete selection of options

www.shelco.com
Dimensions

<table>
<thead>
<tr>
<th>MODEL</th>
<th>QUANTITY (LENGTH) OF CARTRIDGES</th>
<th>MAXIMUM FLOW RATE* GPM (LPM)</th>
<th>MAXIMUM DIAMETER CARTRIDGE</th>
<th>DRAIN SIZE</th>
<th>DIMENSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RH-39</td>
<td>1 (4 7/8 - 5&quot;)</td>
<td>3 1/2 (13.3)</td>
<td>2 3/4&quot;</td>
<td>1/4&quot;</td>
<td>A 8 9/16&quot; (21.7 cm) B 7 3/4&quot; (19.7 cm)</td>
</tr>
<tr>
<td>RH-78</td>
<td>1 (9 3/4 - 10&quot;)</td>
<td>7 (26.5)</td>
<td>2 3/4&quot;</td>
<td>1/4&quot;</td>
<td>A 13 9/16&quot; (34.4 cm) B 12 3/4&quot; (32.4 cm)</td>
</tr>
<tr>
<td>RH-80</td>
<td>1 (19 1/2 - 20&quot;)</td>
<td>14 (53)</td>
<td>2 3/4&quot;</td>
<td>1/4&quot;</td>
<td>A 22 9/16&quot; (59.8 cm) B 22 3/4&quot; (57.8 cm)</td>
</tr>
<tr>
<td>RH-90</td>
<td>1 (30&quot;)</td>
<td>21(79.5)</td>
<td>2 3/4&quot;</td>
<td>1/4&quot;</td>
<td>A 33 9/16&quot; (85.2 cm) B 32 3/4&quot; (83.2 cm)</td>
</tr>
</tbody>
</table>

* Based upon 7 gpm (26.5 lpm) per 10" cartridge length with a 25 micron wound cartridge at 2 PSID clean and a viscosity of 1 cps. Flow rates are guidelines only. Actual flow rates are based upon fluid, viscosity, cartridge type, micron ratings and other factors.

Ordering Guide (Example: RHS-786A-E)

<table>
<thead>
<tr>
<th>RH</th>
<th>S</th>
<th>-</th>
<th>78</th>
<th>6A</th>
<th>-</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>MATERIAL</td>
<td>CARTRIDGE LENGTH</td>
<td>PIPE SIZE FNPT</td>
<td>OPTIONS</td>
<td>GASKET</td>
<td></td>
</tr>
<tr>
<td>RH</td>
<td>S = 316L Stainless Steel with Stainless Steel Plug</td>
<td>39 = 4 7/8-5'</td>
<td>4 = 1/2&quot;</td>
<td>Blank = None</td>
<td>B = Buna N (Standard)</td>
<td></td>
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<tr>
<td></td>
<td>B = Brass Head with 304L Stainless Steel Sump and Nickel Plated Brass Ring Nut and Brass Petcock</td>
<td>78 = 9 3/4-10'</td>
<td>6 = 3/4&quot;</td>
<td>B = BSP thread</td>
<td>E = EPR</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>60 = 19 1/2-20'</td>
<td>8 = 1&quot;</td>
<td>1TC = 1&quot; Ferrules 150 psi</td>
<td>S = Silicone</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>90 = 29 1/2-30'</td>
<td></td>
<td>GP4 = 1/4&quot; Gauge Ports</td>
<td>V = Viton</td>
<td></td>
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</tbody>
</table>

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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