MicroVantage™ HPI Series
High Purity Multi-Cartridge Industrial Filter Housings

Request a Quote Today!

- 316L stainless steel construction with electro-polished finish for maximum durability and corrosion resistance
- Available with two closure options:
  - V-band clamp closure for quick and easy cartridge change outs
  - Swing Bolt closure for secure sealing
- Holds four through twenty one cartridges for optimal choice of flow rates
- Universal seat for either 222 flat/fin or double open-ended (DOE) style cartridges (226 style connectors are optional)
- Adjustable top plate accepts variable length cartridges
- Gauge Ports with stainless steel liquid pressure gauges (0-200 psi) provide easy monitoring for optimal system maintenance
- Raised Face Flanges for rugged connections
- Mounting legs provide secure installation

Applications
- Water Desalination
- Chemicals Food & Beverage
- Electronics Oil / Gas
- Power Inks / Paints / Coatings
- Coolants Pulp & Paper

Specifications

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

Connections
Inlet / Outlet: RF flange (Standard)
2” - 4HPI and 7HPI
3” - 12HPI
4” - 21HPI
Optional: Sanitary Ferrules

Drain Ports: 1/2” NPT
Optional: Sanitary Ferrules

Vent Ports: 1/4” NPT - 4HPI and 7HPI
1/2” NPT - 12HPI and 21HPI
Optional: Sanitary Ferrules

Materials of Construction
Head / Shell / Connections: 316L Stainless Steel Electro-polished
Closure: Clamp – 304L Stainless Steel
Swing Bolts – Zinc Plated Steel

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

Cartridge Type
222 or DOE style cartridges
Optional: 226 adapters

Custom Options
See Ordering Guide for complete listing

www.commercialfiltrationsupply.com
## Customization

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

---

### Dimensions


<table>
<thead>
<tr>
<th>MODEL</th>
<th>QUANTITY (LENGTH) OF CARTRIDGES+</th>
<th>RATED FLOW CAPACITY* GPM(LPM)</th>
<th>MAXIMUM DIAMETER CARTRIDGE</th>
<th>CLAMP STYLE</th>
<th>SWING BOLT STYLE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>4HP1</td>
<td>4 (10&quot;)</td>
<td>28 (106)</td>
<td>2 3/4&quot;</td>
<td>20 7/8&quot; (53.02 cm)</td>
<td>22 1/4&quot; (56.3 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>3&quot; (7.6 cm)</td>
<td>12&quot; (30.48 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>4HP12</td>
<td>4 (20&quot;)</td>
<td>56 (212)</td>
<td>2 3/4&quot;</td>
<td>30 7/8&quot; (78.42 cm)</td>
<td>32 1/4&quot; (81.9 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>3&quot; (7.6 cm)</td>
<td>12&quot; (30.48 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>4HP13</td>
<td>4 (30&quot;)</td>
<td>84 (318)</td>
<td>2 3/4&quot;</td>
<td>40 7/8&quot; (103.82 cm)</td>
<td>42 1/4&quot; (107.3 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>3&quot; (7.6 cm)</td>
<td>12&quot; (30.48 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>4HP14</td>
<td>4 (40&quot;)</td>
<td>112 (424)</td>
<td>2 3/4&quot;</td>
<td>50 7/8&quot; (129.22 cm)</td>
<td>52 1/4&quot; (132.7 cm)</td>
<td>7&quot; (17.8 cm)</td>
<td>3&quot; (7.6 cm)</td>
<td>12&quot; (30.48 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>7HP11</td>
<td>7 (10&quot;)</td>
<td>49 (185.5)</td>
<td>2 3/4&quot;</td>
<td>20 1/2&quot; (52.1 cm)</td>
<td>21&quot; (53.3 cm)</td>
<td>8 1/16&quot; (20.5 cm)</td>
<td>3 3/16&quot; (8.4 cm)</td>
<td>14&quot; (35.56 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>7HP12</td>
<td>7 (20&quot;)</td>
<td>98 (371)</td>
<td>2 3/4&quot;</td>
<td>30 1/2&quot; (77.5 cm)</td>
<td>40 1/2&quot; (102.9 cm)</td>
<td>8 1/16&quot; (20.5 cm)</td>
<td>3 3/16&quot; (8.4 cm)</td>
<td>14&quot; (35.56 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>7HP13</td>
<td>7 (30&quot;)</td>
<td>157 (594.3)</td>
<td>2 3/4&quot;</td>
<td>49 1/2&quot; (125.7 cm)</td>
<td>50 1/2&quot; (154.5 cm)</td>
<td>8 1/16&quot; (20.5 cm)</td>
<td>3 3/16&quot; (8.4 cm)</td>
<td>14&quot; (35.56 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>7HP14</td>
<td>7 (40&quot;)</td>
<td>196 (741.9)</td>
<td>2 3/4&quot;</td>
<td>59 1/2&quot; (151.1 cm)</td>
<td>60 1/2&quot; (153.7 cm)</td>
<td>8 1/16&quot; (20.5 cm)</td>
<td>3 3/16&quot; (8.4 cm)</td>
<td>14&quot; (35.56 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>12HP13</td>
<td>12 (30&quot;)</td>
<td>252 (954)</td>
<td>2 3/4&quot;</td>
<td>49 1/2&quot; (125.7 cm)</td>
<td>50 1/2&quot; (154.5 cm)</td>
<td>15 3/8&quot; (39.1 cm)</td>
<td>16 11/16&quot; (42.5 cm)</td>
<td>12&quot; (20.3 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>12HP14</td>
<td>12 (40&quot;)</td>
<td>336 (1272)</td>
<td>2 3/4&quot;</td>
<td>59 1/2&quot; (151.1 cm)</td>
<td>60 1/2&quot; (153.7 cm)</td>
<td>15 3/8&quot; (39.1 cm)</td>
<td>16 11/16&quot; (42.5 cm)</td>
<td>12&quot; (20.3 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>21HPI3</td>
<td>21 (30&quot;)</td>
<td>462 (1749)</td>
<td>2 3/4&quot;</td>
<td>50 3/16&quot; (127.5 cm)</td>
<td>50 3/16&quot; (127.5 cm)</td>
<td>9 1/2&quot; (24.1 cm)</td>
<td>21&quot; (53.3 cm)</td>
<td>12&quot; (25.4 cm)</td>
<td>146</td>
<td></td>
</tr>
<tr>
<td>21HPI4</td>
<td>21 (40&quot;)</td>
<td>616 (2332)</td>
<td>2 3/4&quot;</td>
<td>60 3/16&quot; (152.9 cm)</td>
<td>50 3/16&quot; (127.5 cm)</td>
<td>9 1/2&quot; (24.1 cm)</td>
<td>21&quot; (53.3 cm)</td>
<td>12&quot; (25.4 cm)</td>
<td>146</td>
<td></td>
</tr>
</tbody>
</table>

* Housings will accept cartridge lengths: 10" = (9 3/4" or 10"), 20" = (19 1/2" or 20"), 30" = (29 1/4" or 30"), 40" = (39" or 40")

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

---

**For pricing and information please call Commercial Filtration Supply at (855)-236-0467**

Visit us Online at: [www.commercialfiltrationsupply.com](http://www.commercialfiltrationsupply.com) for more filtration products.