Delta Pure DHF High Flow Filter cartridges process up to 500 GPM (1900 lpm) per filter. Several DHF filters can be installed in a Delta Pure HFH series housing to purify thousands of GPM of water or process liquid. The Delta Pure High Flow Filter cartridges provide excellent economics and highly efficient (99.98%) removal of designated contaminants. The six-inch (152 mm) outer-diameter filter design, available in lengths up to 60” (1520 mm) with pleated high-efficiency filtration medium enables:

- Greater surface area for longer life and reduced change-out frequency
- Smaller vessel-diameter designs for lower capital equipment cost
- Easy retrofitting into many current installations*
- 99.98% removal efficiency for cleaner water and fluids.

The extra filter surface area we pleat into each DHF “Multi-Pleat” High Flow Filter cartridge can extend filter life in a disproportionate way – in other words, doubling filter area can increase filter life by at least 2x, and up to 4x! Our use of more surface area results in more uptime, less change-out labor, and fewer filter purchases. We also include pre-filtration layers to increase dirt-holding-capacity.

We offer absolute ratings of 0.45 to 135 μm in a range of filter materials, including polypropylene, glass, and polyester.

* Retrofits the Ultipleat® High Flow Series from Pall Corporation

Benefits
- Longer filter life
- Smaller vessel footprint
- Retrofits many filter housings
- 99.98% absolute removal efficiencies
- Technical support and prompt deliveries
- Lower cost per gallon/liter of water

Applications
- Process Water
- Potable Water
- Pre-filtration for RO membranes
- Amine, Glycol
- Oil and Gas Production
- Ground Water Remediation
**Filter Specifications**

Maximum Operating Conditions:
185°F (85°C) Continuous Operating Temp

Maximum Recommended Flow Rate:
500 GPM (1,900 lpm) per standard 60” filter

* Optimal sizing should be determined on a case-by-case basis. A lower flux (for example, use of a larger filter assembly with more filters per housing) will, as a general rule, result in longer filter life.

Maximum Recommended Differential Pressure:
35 PSID

Filter Surface Area
- 20” length: 35 sq. ft.
- 40” length: 70 sq. ft.
- 60” length: 105 sq. ft.

Flow Direction
Inside to Outside

**Typical Data for DHF Cartridges Containing Polypropylene Filter Medium**

<table>
<thead>
<tr>
<th>Micron Rating</th>
<th>0.45</th>
<th>2</th>
<th>5</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
<th>70</th>
<th>100</th>
<th>135</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smallest particle removed at 99.98% efficiency (absolute)</td>
<td>0.45 μm</td>
<td>2 μm</td>
<td>5 μm</td>
<td>10 μm</td>
<td>20 μm</td>
<td>30 μm</td>
<td>40 μm</td>
<td>70 μm</td>
<td>100 μm</td>
<td>135 μm</td>
</tr>
<tr>
<td>Smallest particle removed at 99% efficiency</td>
<td>0.3 μm</td>
<td>1 μm</td>
<td>2 μm</td>
<td>5 μm</td>
<td>10 μm</td>
<td>15 μm</td>
<td>25 μm</td>
<td>40 μm</td>
<td>70 μm</td>
<td>100 μm</td>
</tr>
<tr>
<td>Typical Dirt Capacity (lb (kg) of Solids)</td>
<td>12.2 (5.5)</td>
<td>15.5 (7.0)</td>
<td>18.2 (8.5)</td>
<td>18.7 (8.5)</td>
<td>20.4 (9.3)</td>
<td>21.3 (9.7)</td>
<td>22.5 (10.2)</td>
<td>24 (10.9)</td>
<td>26.1 (11.9)</td>
<td>27.5 (12.5)</td>
</tr>
</tbody>
</table>

**Model/Code Ordering Information**

<table>
<thead>
<tr>
<th>CARTRIDGE TYPE</th>
<th>MICRON RATING 99.98%</th>
<th>FILTER MEDIUM</th>
<th>LENGTH INCHES</th>
<th>COMPONENT MATERIALS</th>
<th>OUTSIDE DIAMETER</th>
<th>O-RING SEAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHF - High Flow Multi-Pleat</td>
<td>045 - 0.45 μm 2 - 2 μm 5 - 5 μm 10 - 10 μm 20 - 20 μm 40 - 40 μm 70 - 70 μm</td>
<td>01-FDA Polypropylene 13-Polyester 15-Fiberglass</td>
<td>20</td>
<td>FDA Polypropylene cage, core, outer wrap Other materials are available.</td>
<td>K -6&quot;</td>
<td>B- Buna E- EPDM V- FKM* S-Silicone T- PTFE* encapsulated FKM*</td>
</tr>
</tbody>
</table>

* Teflon® and Viton® are trademarks of Dupont.

**Example:** DHF-045-01-60-1-K-B
Delta Pure High Flow Filter, 0.45 micron at 99.98%, “FDA Grade” polypropylene filter medium, 60” length, polypropylene components, 6” outer diameter, Buna O-ring seal