SuporFlow® Filter

Description
The SuporFlow filter is designed specifically for the filtration of ultra-high-purity chemicals up to 70°C / 158°F. It combines the latest advances in polyethersulfone membranes with Pall’s Ultipleat® filter technology.

- True hydrophilic polyethersulfone membrane
- High retention characteristics
- Excellent compatibility
- High flow rates
- Low extractables
- Instant wettability
- 100% integrity tested and testable
- Manufactured in a cleanroom environment

Specifications

Materials
- Medium: Polyethersulfone (PES)
- Core, cage, and end caps: High density polyethylene (HDPE)
- Support and drainage: High density polyethylene (HDPE)
- O-ring options: Viton® and Teflon® encapsulated Viton

Removal Rating
- Monorated® @ 0.1 µm

Filter Areas
- 254 mm / 10 in: 1.86 m² / 20 ft²

Configurations
- Nominal length: 254 mm / 10 in
- Diameter: 70 mm / 2.75 in
- Code 3: 222 double O-ring / flat end
- Code 8: 222 double O-ring / finned end

Operating Conditions
- Maximum temperature: 70°C / 158°F
- Maximum forward / reverse differential pressure:
  0.103 MPa @ 70°C / 15 psid @ 158°F

Integrity Test Values
- 0.1 µm, 10 in segment,
  0.14 MPa (20 psig), < 40 cm³ / min

Recommended Applications
- Aqueous based chemicals
- Bulk chemical distribution systems
- Point-of-use applications

1 Not compatible with SC1 and SC2 above 35°C.
2 Teflon and Viton are registered trademarks of E. I. du Pont de Nemours and Company.
3 Monoratings are based upon monodisperse polystyrene latex bead challenges in 18.2 Megohm-cm ultrapure DI water.
4 Test fluid used is 60:40, IPA: H₂O.
### Pressure Drop vs. Liquid Flow Rate

![Graph showing the relationship between flow rate (gpm) and differential pressure (MPa) for a 0.1 µm UET filter configuration.]

For liquids with a viscosity differing from water, multiply the pressure drop by the viscosity in centipoise.

### Part Numbers / Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Removal Rating (µm)</th>
<th>Nominal Length (mm / in)</th>
<th>Configuration Code</th>
<th>O-Ring Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABD1UET3EH1</td>
<td>0.1</td>
<td>254 / 10</td>
<td>3</td>
<td>Teflon encapsulated Viton</td>
</tr>
<tr>
<td>ABD1UET8EH1</td>
<td>0.1</td>
<td>254 / 10</td>
<td>8</td>
<td>Teflon encapsulated Viton</td>
</tr>
<tr>
<td>MRD1UET3EH1</td>
<td>0.1</td>
<td>254 / 10</td>
<td>3</td>
<td>Teflon encapsulated Viton</td>
</tr>
</tbody>
</table>

6 The above filter configurations are also available in 508 mm / 20 in, 762 mm / 30 in, and 1016 mm / 40 in lengths. These can be ordered by changing the fourth digit in the part number to a 2, 3, or 4 respectively.

7 Other O-ring materials are available.

Unit conversion: 1 MPa = 10 bar