Combining bag filter design and the best of pleated and large diameter technologies is in our HF6-BF high flow filter cartridge. The unique layered construction provides excellent retention across a wide range of flux rates. One seven (7) inch diameter cartridge can handle up to 50m3/hr of flow (Size#2 length-PP media). The inside to outside flow allows for a high contaminant holding capacity and a long filter life which makes the HF6-BF an ideal choice for a wide variety of critical process applications.

HF6 cartridges are available with polypropylene and microfiberglass media in absolute (99.98%) micron ratings from 1 to 100 microns.

Applications
- Particulate and turbidity reduction
- Pre-R.O
- Process Cooling Water or Hot Water Recovery in Power Generation Industries
- Platform produced water system and sea water filtration

Filter housing selection

A series of housings are available in both single and multi-round configurations. The inline horizontal configuration minimizes pressure drop and is easily accessible for filter change out.

ASME coded ‘U’ Stamp design available.
**Product Specifications**

**Materials of constructions:**
- Media: HF6-BFPP - Polypropylene  
  HF6-BFGF - Microfiberglass 
- Support/Drainage: Polypropylene 
- Hardware: Polypropylene 
- O-Rings (SOE): EPR, Buna-N 
- Endcaps: Glass Fibre Reinforced Polypropylene

**Retention Rating (99.98%):**
- 0.5, 0.8, 1, 3, 4.5, 10, 20, 50, 75, 100 microns

**Dimension:**
- Outside Diameter: 7” (152.4mm) [nominal] 
- Lengths: 17” (431.8mm) 
  32” (812.8mm)

**Recommended Operating Conditions:**
- Flow Rate: 
  Up to 25 m3/hr /17” element 
  Up to 50 m3/hr/32” element
- Change-out Pressure: 
  35 psid (2.41 bar)

**Performance Specifications**

**Biological Safety/Product Purity:**
- Meets USP XXI Class VI requirements for plastics. 
- All components FDA listed per CFR, Title 21

**Housing Selections:**
- Single or Multi-round  
- SS304 as standard, other options available, Carbon Steel, SS316L, Monnel, Hestaloy etc

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**Ordering Information**

<table>
<thead>
<tr>
<th>Micron rating Selections:</th>
<th>Nominal Length</th>
<th>Seal Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF6-BFPP</td>
<td></td>
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<tr>
<td>(Polypropylene Media)</td>
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<tr>
<td>HF6-BFGF</td>
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<tr>
<td>(Microfibreglass Media)</td>
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<tr>
<th>Micron rating</th>
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<tbody>
<tr>
<td>0050 0.5µm</td>
<td>0150 15µm</td>
<td>PD1 - Size#1  E=Ethylene Propylene</td>
</tr>
<tr>
<td>0080 0.8µm</td>
<td>0200 20µm</td>
<td>PD2 - Size#2</td>
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<tr>
<td>0010 1.0µm</td>
<td>0500 50µm</td>
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</tr>
<tr>
<td>0045 4.5µm</td>
<td>0750 75µm</td>
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</tr>
<tr>
<td>0100 10µm</td>
<td>1000 100µm</td>
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</tbody>
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GFS Filtration Pte Ltd
No.52, Ubi Ave 3, #05-36 Frontier, Singapore 408867
Tel: +65 6846 4689          Fax: +65 6846 4875
Email: enquiry@gfsfilter.com  Website: www.gfsfilter.com