

# HF6-BF

[Polypropylene/Microfibreglass Media ]

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 50m<sup>3</sup>/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.

# Series e

## 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, 100microns

### 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, Hestaley etc

Ordering Information	Micron rating Selections:				Nominal Length		Seal Material
HF6-BFPP (Polypropylene Media)							
HF6-BFGF (Microfibreglass Media)							
	0050	0.5µm	0150	15µm	PD1 - Size#1		E=Ethylene Propylene
	0080	0.8µm	0200	20µm	PD2 - Size#2		
	0010	1.0µm	0500	50µm			
	0045	4.5µm	0750	75µm			
	0100	10µm	1000	100µm			

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