

Multipleat High Flow Series Filter Cartridges



Product Introduction



Multipleat High Flow series has higher surface area which can handle high flow rate and provide long service time to reduce maintenance costs. Its inside-to-outside flow configuration can capture all contaminants in this single open ended filter. Its polypropylene and fixed pore construction can not only apply to many process fluids ensuring wide chemical compatibility, but resist dirt unloading at high differential pressures.

- Manufactured in a class 1,000 clean room.
- Manufactured under a certified ISO 9001 quality system

Product Specifications

Materials of Construction

- Filter Media: Polypropylene, Glass Fiber
- Hardware: Polypropylene
- Sealing: Thermal Bond
- Support Material: Polypropylene (for PP media)
Polyester (for glass fiber media)
- O-rings: EPDM, Silicone, Viton

Dimensions

- Outside Diameter: 6" (152mm)
- Lengths: 20", 40", 60"

Performance Specifications

Retention Ratings

- MHF: 1, 3, 4.5, 10, 20, 40 μ m Absolute
- MHFG: 0.5, 1, 2, 5, 10, 20 μ m Absolute

Operating Conditions

- Maximum Operating Temperature:
MHF: 180°F (82°C)
MHFG: 220°F (105°C)
- Recommended Change Out Differential Pressure:
35 psid (2.4 bar)

Toxicity

All Polypropylene components meet the specifications for biological safety as per the USP for Class VI-121°C Plastics (o-rings excluded)

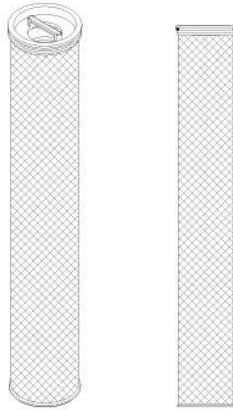
Applications

Food and Beverage, Seawater Desalination, Cooling Water, Industrial Water, RO Pre-filtration, Amine Circulation Filtration, Process Water and Waste Water Treatment, etc.



Liquid Flow Rate vs. Initial Differential Pressure

Retention Ratings	MHF			MHFG		
	20" (psid/gpm)/(x100)(bar/lpm)	40" (psid/gpm)/(x100)(bar/lpm)	60" (psid/gpm)/(x100)(bar/lpm)	20" (psid/gpm)/(x100)(bar/lpm)	40" (psid/gpm)/(x100)(bar/lpm)	60" (psid/gpm)/(x100)(bar/lpm)
0.5 μm	N / A	N / A	N / A	0.0200 / 0.0364	0.0095 / 0.0173	0.0070 / 0.0127
1 μm	0.0090 / 0.0164	0.0049 / 0.0089	0.0040 / 0.0073	0.0150 / 0.0273	0.0079 / 0.0144	0.0062 / 0.0113
2 μm	N / A	N / A	N / A	0.0140 / 0.0255	0.0075 / 0.0137	0.0050 / 0.0091
3 μm	0.0070 / 0.0127	0.0035 / 0.0064	0.0027 / 0.0049	N / A	N / A	N / A
4.5 μm	0.0042 / 0.0076	0.0022 / 0.0040	0.0017 / 0.0031	N / A	N / A	N / A
5 μm	N / A	N / A	N / A	0.0138 / 0.0251	0.0072 / 0.0131	0.0048 / 0.0087
10 μm	0.0035 / 0.0064	0.0019 / 0.0035	0.0010 / 0.0018	0.0132 / 0.0240	0.0067 / 0.0122	0.0045 / 0.0082
20 μm	0.0025 / 0.0046	0.0013 / 0.0024	0.0009 / 0.0016	0.0100 / 0.0182	0.0060 / 0.0109	0.0040 / 0.0073
40 μm	0.0010 / 0.0018	0.0007 / 0.0013	0.0005 / 0.0009	N / A	N / A	N / A



Ordering Information

MHF	010-	620-	E
Product Name	Retention Rating	Cartridge Length	O-ring Material
MHF (PP)	010=1 μm 030=3 μm 045=4.5 μm 100=10 μm 200=20 μm 400=40 μm	620=20" 640=40" 660=60"	E=EPDM V=Viton S=Silicone
	MHFG (Glass Fiber)		