Pleated High Flow Filter Cartridge
with Stainless Steel Cage

This is one kind of universal high flow filter cartridge. The large diameter with larger filtration area insures to reduce the number of filter cartridges and the dimension of housing required.The long service life and high flow rate result in low investment and less manpower in many applications, especially used in high temperature and high Pressure applications.

BENEFITS

- Higher filtration area even up to 8m³,higher flow capability.
- Higher dirt holding capability, longer service life.
- Meet different application requirement by designing different layers for the filter structure.
- Nominal micron rating and absolute micron rating are available.

APPLICATIONS

- Sea water desalination
- Food and beverage
- Microelectronics
- Oil&Chemical
- Machinery and Equipment
- Power plant water treatment

MATERIALS OF CONSTRUCTION

Outside Diameter
6 inch(152mm)

Filter Media
Pleated glass fiber
Pleated depth Polypropylene (PP)
PP Melt blown

Support/Drainage
Polypropylene (PP)

CONFIGURATIONS

Removal Rating (μm)

0.5	1	3	5	10	20	25
50	70	100				

Length (")

20 (528mm)	40 (1022mm)
60 (1538mm)	

Seal Material

E = EPDM	B = NBR	F = E-FKM
V = Viton	S = Silicone	

SPECIFICATION

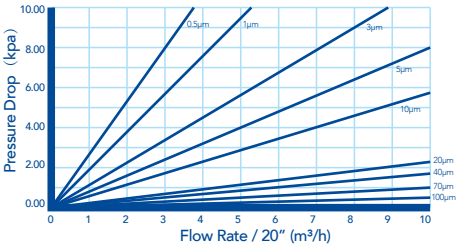
Maximum Operating Temperature
Pleated Glass Fiber:121°C
Pleated PP: 80°C
Melt Blown PP: 65°C

Maximum Operation Differential Pressure
3.0 Bar @ 21°C

Recommended Change out Differential Pressure
1.8-2.4 Bar @ 20°C

Suggested Maximum Flow of water
20 inch length : 660LPM
40 inch length : 1,300LPM
60 inch length : 1,900LPM

Flow Characteristics



	Max. Flow Rate	Recommended Flow Rate
60inch	113m³/hr	50m³/hr
40inch	75m³/hr	33m³/hr
20inch	38m³/hr	17m³/hr

ORDERING CODE

Example : HMPHF-PN-5-40-C-S

	Media	Removal Rating	Length	Outside Type	Seal Material
HMPHF	**GF** = Glass Fiber **PN** = PP Nominal **PA** = PP Absolute **MB** = PP Melt Blown	**0.5** = 0.5μm **1** = 1μm **3** = 3μm **5** = 5μm **10** = 10μm **25** = 25μm **50** = 50μm **70** = 70μm **100** = 100μm	**20** = 20" **40** = 40" **60** = 60"	**6** = SS316L **4** = SS304	**S** = Silicone **B** = Buna **E** = EPDM **V** = Viton **F** = E-FKM