

## HIGH FLOW LARGE DIAMETER FILTER CARTRIDGE

The High Flow Series filter cartridge is a new product developed by Everest Equipments to meet the diversified filtration needs. The High Flow Filter is a large diameter, coreless, single open ended, pleated cartridge with an inside to outside flow pattern. The high filter area allows you to use significantly fewer filter cartridges and smaller housings for high flow rate application. The long service life and high flow design result in low investment and less manpower required for many application.

- ❖ Large Diameter Cartridge Utilizing Low Differential Pressure Media
- ❖ High Dirt Loading Capacity for Long Service Life and Lower Cost
- ❖ O-Ring Design Eliminate Bypass Possibility to Ensure Positive Filtration
- ❖ Wide Chemical Compatibility
- ❖ Combination of State-of-the-art Depth and Pleated Technologies
- ❖ Fast and Easy Changeout
- ❖ Available Filter Rating From 0.5 To 120 Microns
- ❖ Customized to Meet Your Specification and Requirements
- ❖ Smaller Systems With Low Capital Cost, Low Installation Costs and Reduced Operating Costs.
- ❖ Absolute Rated at Over 99.98 % Removal Efficiency by ISO 4572



### Products Specification

#### ◆ Materials of Construction :

Filter Media :	Polypropylene, Glass Fiber, Cellulose, Nylon and Polyester
Outer Support :	Polypropylene, Nylon and Tinned Steel, Stainless Steel or Aluminum Can Body
End Caps / Hardware :	Glass Reinforced Polypropylene, Acetal, Nylon, Tinned Steel and Stainless Steel
Center Core :	Polypropylene, Polyester, Nylon and Stainless Steel
Seal Material :	EPDM (Standard), Silicone, Buna N, Viton, Viton Encapsulated Teflon
Micron Rating :	1 µm, 3 µm, 4.5 µm, 5 µm, 10 µm, 20 µm, 40 µm, 50 µm, 70 µm, 100 µm

#### ◆ Dimensions (Nominal) :

Outside Diameter (OD) :	6" (152 mm)
Lengths :	20" (528 mm), 40" (1022 mm), 60" (1538 mm)

### Operating Conditions

#### ◆ Maximum Operating Temperature :

Pleated PP – 82°C, Pleated Glass Fiber – 121°C

#### ◆ Maximum Operating Differential Pressure :

Pleated PP – 3.4 bard @ 80°C, Pleated Glass Fiber – 3.4 bard @ 121°C

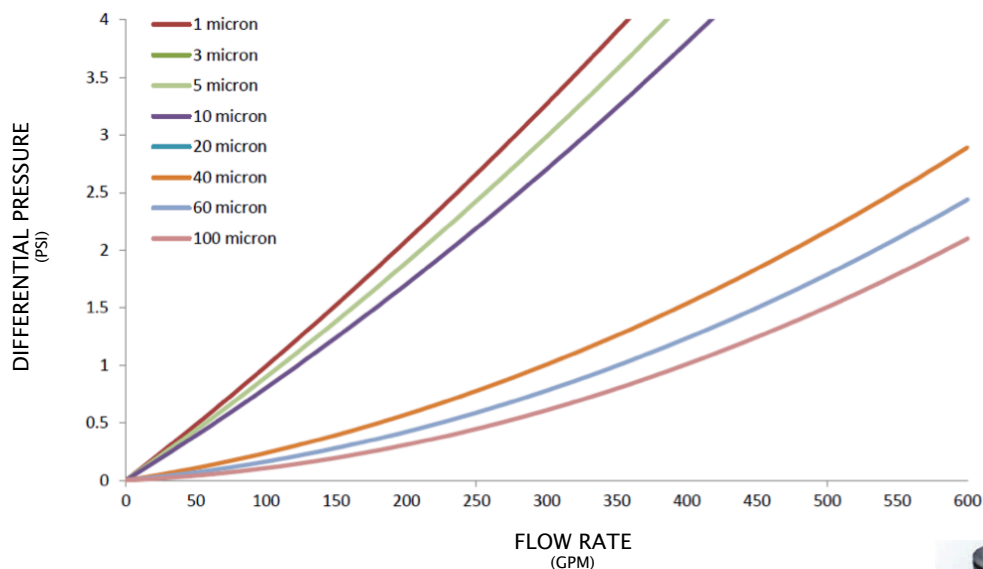
#### ◆ Recommended Changeout Differential Pressure :

3.2 bard @ 80°C

#### ◆ Suggested Maximum Flow Rate (Water) :

20 inches Length –	660 LPM (40 CMH)
40 inches Length –	1,350 LPM (81 CMH)
60 inches Length –	1,900 LPM (118 CMH)

## Typical Flow vs. Pressure Drop (Application Sizing)



## Part Numbers / Ordering Information

High Flow Series Filter Cartridge P/N : HF ★ - ◆ - + ⊙ (e.g., HF40 - PP - 10E)

HF ★ - ◆ - + ⊙



Cartridge Length  
(inch/mm)

20 = 20" / 528 mm

40 = 40" / 1022 mm

60 = 60" / 1538 mm



Media Type

PP = PP Pleated

PM = PP Melt Blown

GF = Pleated Glass Fiber

C = Cellulose

N = Nylon

PE = Polyester



Micron Rating

1 = 1  $\mu$ m

3 = 3  $\mu$ m

4.5 = 4.5  $\mu$ m

6 = 6  $\mu$ m

10 = 10  $\mu$ m

20 = 20  $\mu$ m

40 = 40  $\mu$ m

50 = 50  $\mu$ m

70 = 70  $\mu$ m

100 = 100  $\mu$ m

120 = 120  $\mu$ m



Seal Material

E = EPDM

N = Buna N

S = Silicone

V = Viton

T = TEV

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