PP/Glass Fiber Pleated Depth Media Filter Cartridge

High surface area pleated cartridges have been developed to suit industrial processes where high levels of efficiency and extremely low pressure loss are required. In-house developments have optimized the filter media to give higher levels of porosity, and state of the art manufacturing technologies give excellent build quality. Three standard media options are available. Other more media options are available for special application.

APPLICATIONS

- Pharmaceutics
- Food and beverage
- Oil & gas
- Microelectronics
- Chemical
- Prefiltration for RO
- Photographic solutions

BENEFITS

- Nominal micron rating and absolute micron rating are available.
- Low pressure drop, long service life
- Graded pore density for high dirt holding capacity
- Wide chemical compatibility using 100% polypropylene to meet FDA requirements

MATERIALS OF CONSTRUCTION

Outside Diameter
2.7" (69mm)

Filter Media
PP or Glass Fiber

Support/Drainage
Polypropylene (PP)

Cage/Core/End cap
Polypropylene (PP)

CONFIGURATIONS

Removal Rating (μm)

0.1	0.22	0.45	1	3	5	10
20	50					

Length (")

5	9.75	10	20	30	40

Seal Material

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

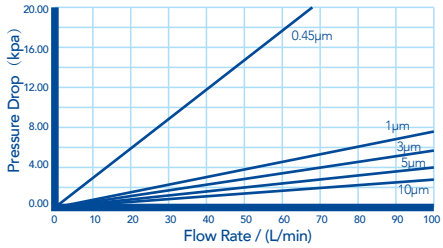
SPECIFICATION

Maximum Operating Temperature
PP : 80°C @1Bar,
support adaptors are recommended
for temperature exceeds 50°C

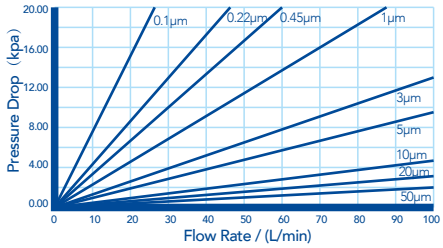
Glass Fiber : 110°C @1Bar,
support adaptors are recommended
for temperature exceeds 80°C

Maximum Operation Differential Pressure
4.0 Bar @ 20°C
2.4 Bar @ 80°C

Glass Fiber Flow Characteristics



PP Flow Characteristics



END CAP CONFIGURATION

ORDERING CODE

Example : HMD-PN-5-10-0-S-P

	Media	Removal Rating	Length	End Cap Type	Seal Material	Core
HMD	**GS** = Glass Fiber **PN** = PP Nominal **PA** = PP Absolute	**0.1** = 0.1μm **0.22** = 0.22μm **0.45** = 0.45μm **1** = 1μm **3** = 3μm **5** = 5μm **10** = 10μm **20** = 20μm **50** = 50μmm	**5** = 5" **975** = 9.75" **10** = 10" **20** = 20" **30** = 30" **40** = 40"	**0** = DOE **5** = 213/Flat **2S** = 222/Flat/SS **4S** = 222/Fin/SS **2** = 222/Flat **4** = 222/Fin **3** = 226/Fin **3S** = 226/Fin/SS **1** = 226/Flat **1S** = 226/Flat/SS	**S** = Silicone **E** = EPDM **B** = NBR **V** = Viton **T** = Teflon **F** = E-FKM	**P** = PP Core **S** = SS Core