PP Melt Blown Filter Cartridges

Description

Series filter cartridges deliver high efficiency and cosistent filtration of fluids in a wide range of appliactions. The innovative melt blowing process used to manufacture the filter cartridge allows to optimize the filtration properties of the element while maintaining very robust mechanical properties. This control results in a filter cartridge with long life cycles that can be used in the most demanding applications.

The 100% polypropylene construction provides excellent chemical resistance to bases, acids, salts and many organic solvents in a broad range of applications. All components use FDA listed materials of construction assuring that they are safe for food and beverage contact. Series cartridges are available in a wide range of configurations to fit most commercially available filter housings.

Benefits

- Precision engineered filter cartridge constructed of micro-denier melt blown fibers provides excellent particle retention and long on-stream life cycles.
- Continuously graded pore construction enhances contaminant holding capacity resulting in improved filtration performance.
- Optional high strength polypropylene center core allows for optimization of filtration medium and enhances the cartridge's mechanical properties.
- 100% polypropylene materials of construction provide wide chemical compatibility in most applications with no leachables or extractables. The high purify construction assures quick rinse up in high purity water.
- Highly automated manufacturing process assures consistent filter performance and repeatable results over time.
- All materials are FDA listed for food and beverage contact and meet USP-XXIII, Class VI criteria.
- Continuous length cartridges available up to 50" prevent fluid bypass and enchance fluid flow properties.

Applications

- RO Pretreatment
- Food and Beverage Processing
- High Purity Chemicals
- Municipal Water Systems
- Metal Finishing/Plating Solutions
- Solvent Filtration
- Pulp and Paper
- Paint and Coatings

Performance Specifications

Retention Ratings (nominal)	0.5, 1, 5, 10, 15, 20, 50, 100, 150 µm
Maximum Forward Ratings	15 psid (1.03 bar) @ 180° F (82° C) 30 psid (2.07 bar) @ 150° F (66° C) 60 psid (4.14 bar) @ 75° F (24° C)
Recommended Change-out Pressure:	38 psid (2.6 bar)
Biosafety	All components meet FDA requirements for food and beverage contact per 21 CFR, All components contact per 21 CFR. All components meet USP Biological Resistivity, *in vivo*, for Class VI-121° plastics.

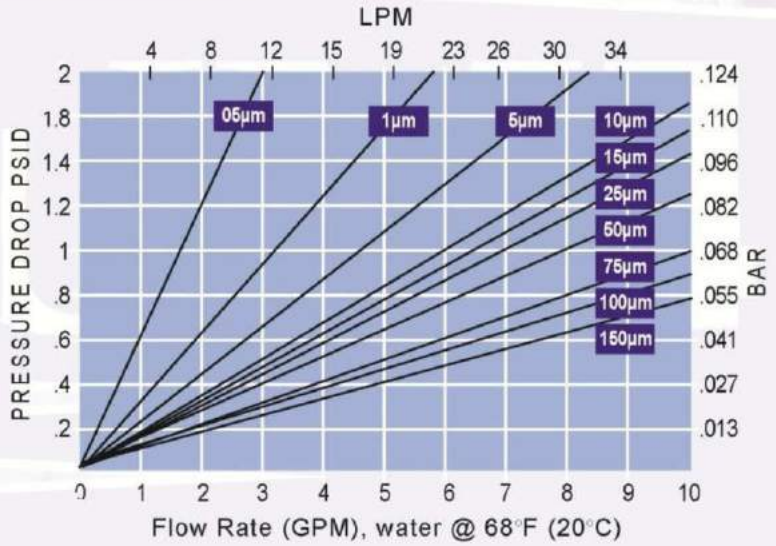
Materials of Construction / Dimensions

Outside Diameter (nominal)	63mm
Inside Diameter (nominal)	28mm
Lengths (nominal)	10, 20, 30, 40, 50"
Media	Micro-denier polypropylene fibers
Center Cores (Optional)	Polypropylene
End Caps (Optional)	Polypropylene
Gaskets/O-Rings (Optional)	Polyethylene,**Silicone, Buna-N, EPDM, Viton*

*Viton is a registered trademark of E.I. duPont de Nemours and Company

**Double open ended cartridges only

Flow Rates vs Differential Pressure



Cartridge Ordering Information

Cartridge Series	Retention Rating	Nominal Length (inches)	Center Core	Cartridge Configuration	Gasket or O-Ring
M	5 –	10		D	S
M	0.5, 1, 5, 10, 15, 25, 50, 75, 100, 150 um	4, 4.75, 9.75, 9.87, 10, 19.5, 19.75, 20, 29, 29.25, 30, 39, 39.5, 40	P = Polypropylene No Symbol = Non	D = DOE G = DOE with gaskets X = DOE with 1" Extended Core F = 222 O-Ring/Flat S = 222 O-Ring/Fin K = Self Sealing Spring	S = Silicone V = Viton B = Buna-N E = EPDM No Symbol = Non

*Note: Use a - (dash) between the Retention Rating and the Nominal Length when oedering.