

FILTERITE® POLY-FINE® II SERIES FILTER CARTRIDGES

- High Contaminant Holding Capacity
- Biologically Inert and Non-Fiber Releasing
- Wide Chemical Compatibility
- Rigid Polypropylene Outer Cage Protects Filter
- One Piece Construction
- Submicronic Prefilter for Final Membrane Application
- All Polypropylene Construction
- 0.2 µm Asymmetric Polysulfone Media
- Fast Rinse-Up to 18 Megohm-cm

Performance Specifications

Retention Ratings

0.2, 0.25, 0.45, 0.8, 2, 3, 5, 10, 30, 50, 100 µm

Maximum Forward Differential Pressure

to 75 psid @ 68° F (5.1 bar @ 20° C)
to 40 psid @ 150° F (2.8 bar @ 65° C)

Sterilization:

Multiple autoclaving for 30 minutes at 121° C under no end load conditions. In-line steam sterilization is not recommended. May be in-line sanitized with hot water at 82° C for 1 hour.

Toxicity:

Cartridge meets USP-XXIII, Class VI criteria. All components are FDA-listed for food contact.

Rinse-Up:

Cartridges rinse-up to 18 megohm-cm with a minimum of throughput.

Product Specifications

Materials of Construction:

Filter Media:
PFT 0.2: Highly Asymmetric Polysulfone
Other: PFT 0.25, 0.45, 0.8, 2, 3, 5, 10, 30, 50, 100: Polypropylene
Outer Cage: Polypropylene
Support Cage: Polypropylene
Endcaps: Polypropylene
End and Side Seam: Thermally Bonded
Support & Drainage: Polypropylene layers upstream and downstream
O-Rings: Silicone, Buna N, EPDM, Viton A, TEFLON®
Flat Gaskets (DOE): Buna N, Silicone, EPDM, White Silicone, White Buna N, Viton A, Teflon

Dimensions:

Length: 4", 10", 20", 30", 40" [nominal]
(10.2, 25.4, 50.8, 76.2, 102cm)
Outer Diameter: 2.6 inches (6.6 cm) [nominal]

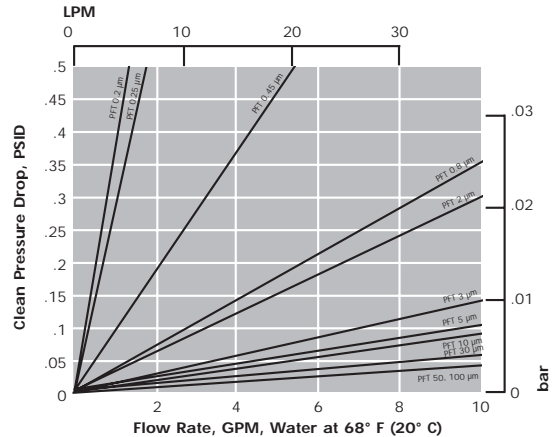


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Particle Retention

Cartridge Designation	Liquid Service		Gas Service
	90% Efficiency	Absolute Efficiency	Removal Efficiency By DOP Test
PFT 0.2	0.2 µm	0.5 µm	99.99%
PFT 0.25	0.25 µm	1.0 µm	99.97%
PFT 0.45	0.45 µm	1.2 µm	99.93%
PFT 0.8	0.8 µm	2.5 µm	99.90%
PFT 2.0	2.0 µm	5.0 µm	_____
PFT 3.0	3.0 µm	7.0 µm	_____
PFT 5.0	5.0 µm	12.0 µm	_____
PFT 10.0	10.0 µm	15.0 µm	_____
PFT 30.0	30.0 µm	40.0 µm	_____
PFT 50.0	50.0 µm	65.0 µm	_____
PFT100.0	85.0 µm	100.0 µm	_____

Liquid Flow Specifications



Ordering Information

PFT	0.2	-10	U	S	-M3	B	414	-BLK	Bulk Packaging (optional)
Poly-Fine II Series									DI Water Flush (optional)
Retention Ratings: 0.2, 0.25, 0.45, 0.8, 2, 3, 5, 10, 30, 50, 100 µm									100% Bubble Test (optional)
Nominal Cartridge Lengths: 4", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40"									End Configurations:
Core Material: U = Polypropylene									1X - Double open end industrial, 1" extended core
Gasket or O-ring Material: S = Silicone (standard O-rings) N = Buna N (standard gaskets) M = White Silicone W = White Buna N (gaskets only) V = Viton A E = EPDM L = NORDEL® T = Teflon (O-rings) T = Expanded PTFE (gaskets) X = No O- ring required (M2 style only)									M2 - SOE flat closed end fits housings with O20 O-ring post (replaces Gelman SOE)
									M3 - SOE flat closed end, external 222 O-ring (Pall code 3, MILLIPORE® code 0)
									M3H - SOE with external 222 O-rings, large diameter closed end
									M5 - DOE internal O-ring (NUCLEPORE® 3)
									M6 - SOE flat closed end, external 226 O-ring (Pall code 2, Millipore code 6)
									M7 - SOE fin end, external 226 O-ring (Pall code 7, Millipore code 7)
									M8 - SOE fin end, external 222 O-ring (Pall code 8, Millipore code 5)
									M10 - DOE internal O-ring (fits Ametek housings)
									M11 - SOE Flat closed end, internal 120 O-ring (Nuclepore X and Gelman G)
									M20 - SOE with internal O-rings (same as M10), closed end with deep recess



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