

Filtrafine Tech-Flow Series Filter Cartridges

ePTFE Membrane Cartridges for Aggressive Liquid and Gas Filtration

- Biologically Inert, Chemically Resistant PTFE Media
- Absolute Construction with Retention Ratings of 0.05, 0.1, 0.2, 0.45, or 1.0µm
- Uniform Pore Size Throughout Membrane for High Contaminant Retention Capacity and Flow Rates
- Each Filter Element Stamped with Pore Size, Lot and Serial Number for Identification and Traceability
- High Purity Polypropylene Hardware Construction - Inert to Many Process Fluids Ensuring Wide Chemical Compatibility
- Various Gasket/O-ring materials - Compatible with Many Fluids
- 100% Flushed with 18 Megaohm - cm DI Water and Integrity Tested
- Filters are Manufactured, Flushed, Tested and Packaged in a Class 1,000 Clean Room Environment
- Manufactured Under a Certified ISO 9001 Quality System



Product Specifications

Materials of Construction:

- Filter Media: Expanded Polytetrafluoro-ethylene (ePTFE) Membrane
- Hardware: Standard: Polypropylene
Optional: High Density Polyethylene
- Sealing: Thermal Bond
- Support Material: Polypropylene
- Gaskets/O-rings: Silicone, EPDM, Buna-N, Viton, Teflon Encapsulated Viton

Dimensions (nominal):

- Outside Diameter: 2.67" (68mm)
- Lengths: 4" (102mm), 9.75" (248mm), 10"(254mm), 19.5" (495mm), 20"(508mm), 29.25" (743mm), 30" (762mm), 39" (991mm), 40" (1016mm)

Performance Specifications

- Retention Ratings: 0.05, 0.1, 0.2, 0.45, 1.0µm

Operating Conditions:

- Maximum Operating Pressure: 80 psid (5.5 bar) @ 68°F (20°C)
20 psid (1.4 bar) @ 203°F (95°C)

- Recommended Change Out Differential Pressure: 35 psid (2.4 bar)

FDA Listed Materials:

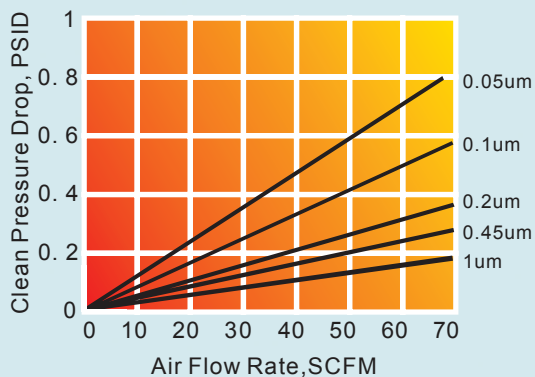
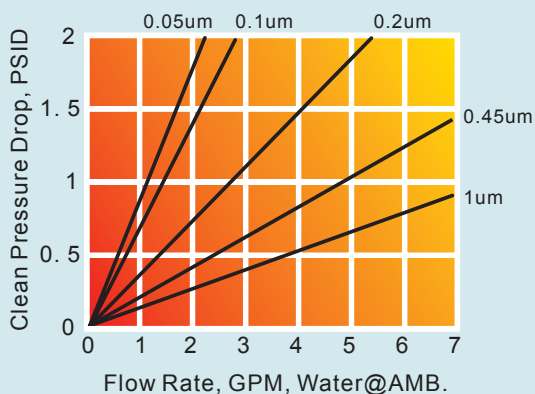
Manufactured from Materials Which are FDA Listed for Food Contact Applications in Title 21 of the U.S. Code of Federal Regulations

Sanitizing Agents:

Cartridge May be Sanitized in Place with Common Oxidizing Agents. Consult Factory for Compatibility Information

Liquid Flow vs. Initial Differential Pressure

Flow Rate vs. Differential Pressure



Flow rate is per 10" (254mm) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity in centipoises

Ordering Information

TEF Product Name	0.2-Retention Rating	10-Cartridge Length	P Material of Center Core	3 End Configurations	E Materials of O-rings/Gaskets
Tech-Flow	0.05, 0.1, 0.2, 0.45, 1µm abs.	4", 10", 20", 30", 40"	P = Polypropylene PE = High Density Polyethylene	DOE = No Symbol 3 = SOE with 222 O-rings, Flat Closed End 8 = SOE with 222 O-rings, Fin End 7 = SOE with 226 O-rings, Fin End	E=EPDM V=Viton S=Silicone F=Teflon Encapsulated Viton