

Tech-Flow Series Filter Cartridges



Product Introduction



Tech-Flow series filter cartridges are made of biologically inert and chemical resistant hydrophobic and hydrophilic PTFE media. The media is uniform pore size throughout membrane for high contaminant capacity and flow rates. Each Tech-Flow series filter element is stamped with pore size and lot number for identification and traceability. To provide wide chemical compatibility, Tech-Flow series utilizes high purity polypropylene hardware construction which is inert to various kinds of process.

- Absolute rated at 99.9% efficiency with retention
- Manufactured in a class 1,000 clean room
- Manufactured under a certified ISO 9001 quality system

Product Specifications

Materials of Construction

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

Dimensions

- Outside Diameter: 2.67" (68mm)
- Lengths: 10", 20", 30", 40"

Performance Specifications

Retention Ratings

0.05, 0.1, 0.2, 0.45, 1, 3 μ m Absolute

Operating Conditions

- Maximum Operating Differential Pressure:
80 psid (5.5 bar) @ 68°F (20°C)
20 psid (1.4 bar) @ 203°F (95°C)
- Maximum Operating Temperature: 220°F (105°C)
- Recommended Change Out Differential Pressure:
35 psid (2.4 bar)

FDA Listed Materials

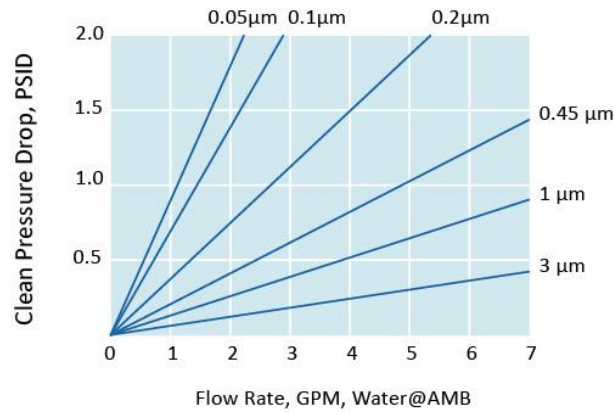
Manufactured from materials which are FDA listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Sanitizing Agents

Cartridge may be sanitized in place with common oxidizing agents. Consult factory for compatibility information.

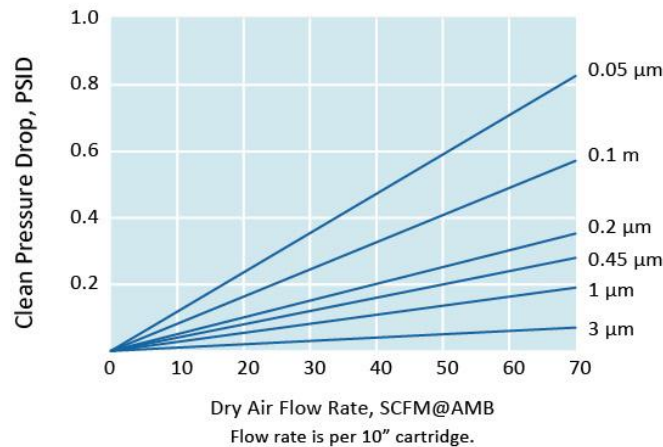


Liquid Flow Rate vs. Initial Differential Pressure



Flow rate is per 10" cartridge. For liquids other than water, multiply the pressure drop by the fluid viscosity in centipoises

Air Flow Rate vs. Initial Differential Pressure



Dry Air Flow Rate, SCFM@AMB
Flow rate is per 10" cartridge.

Ordering Information

Product Name	Retention Rating	Cartridge Length	Core Material	End Configuration	Gasket/O-ring Material
TEF	0.2-	10	P-	3	E
TEF	0.05, 0.1, 0.2, 0.45, 1, 3 µm	10" 20" 30" 40"	P=PP	DOE=Double Open End Code 3=222 / Flat Code 8=222 / Fin Code 7=226 / Fin, Bayonet	E=EPDM V=Viton S=Silicone F=Teflon Encapsulated Viton