

VSF Series Filter Cartridges



Product Introduction

VSF series filter cartridges utilize highly asymmetric polyethersulfone (PES) membrane which can handle high flow rate and provide high dirt holding capacity. This series offers excellent retention efficiency and extended on-stream life for water system of the pharmaceutical industry as well as the food and beverage industry. In addition, the thickness of center core is enhanced to withstand hot water sanitation or steam sterilization for multiple cycles.

- Absolute rated 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: Polyethersulfone Membrane
- Hardware: Polypropylene
- Sealing: Thermal Bond
- Support Material: Polypropylene
- Gaskets/O-rings: Silicone

Dimensions

- Outside Diameter: 2.8" (71mm)
- Lengths: 10", 20", 30", 40"

Performance Specifications

Retention Ratings

0.1, 0.2, 0.45, 0.65, 0.8, 1.2 μ m Absolute

Operating Conditions

- Maximum Operating Differential Pressure:
75 psid (5.1 bar) @ 68°F (20°C)
40 psid (2.8 bar) @ 150°F (65°C)
- Maximum Operating Temperature:
180°F (82°C), CIP 203°F (95°C)
- Sanitization & Sterilization:
Hot Water @ 90°C for 30 mins. up to 100 cycles.



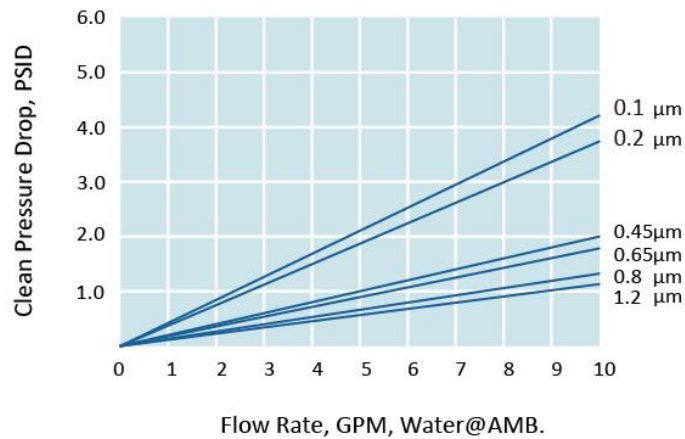
FDA Listed Materials

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

Purity

All VSF series filter cartridges are free of surfactants, anti-static agents, binders and adhesives.

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

Ordering Information

VSF	450-	10-	7	S
Product Name	Retention Rating	Cartridge Length	End Configuration	Gasket/O-ring Material
VSF	100=0.1 µm 200=0.2 µm 450=0.45 µm 650=0.65 µm 800=0.8 µm 1200=1.2 µm	10" 20" 30" 40"	DOE=Double Open End Code 3=222 / Flat Code 8=222 / Fin Code 7=226 / Fin, Bayonet Code 28=222 / Fin, Bayonet	S=Silicone