

Pleated-Flow Series Filter Cartridges



Product Introduction

Each Pleated-Flow series filter cartridge is produced with a rigid center core which enhances structural strength of cartridge. The cartridges are all polypropylene construction which provides wide chemical compatibility. Pleated-Flow series filters utilize proprietary filter media with fixed pore construction to deliver highly consistent performance and resist dirt unloading at maximum differential pressure. Besides, Pleated-Flow series filters have high surface area which provides long service life to reduce maintenance costs.

- Manufactured in a class 10,000 clean room
- Manufactured under a certified ISO 9001 quality system

Product Specifications

Materials of Construction

- Filter Media: Polypropylene
- 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

0.2, 0.25, 0.45, 0.8, 2, 3, 5, 10, 30, 100 μ m

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: 167°F (75°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.

Purity

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



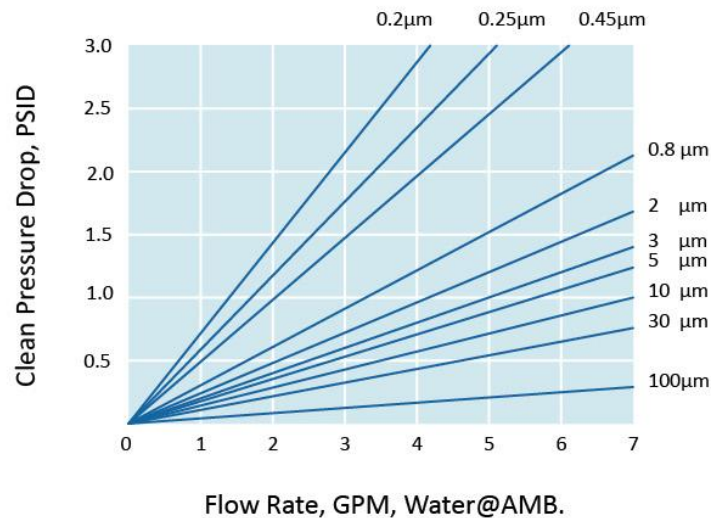
Toxicity

All components meet the specifications for biological safety as per the USP for Class VI-120°C Plastics (gaskets/ o-rings excluded)

Sterilization

Multiple autoclaving for 30 minutes at 250°F (121°C) under no end load conditions. In-line steam sterilization is not recommended. May be in-line sanitized with hot water at 180°F (82°C) for 1 hour.

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

PLT	5-	10-	3	E
Product Name	Retention Rating	Cartridge Length	End Configuration	Gasket/O-ring Material
PLT	0.2, 0.25, 0.45, 0.8, 2, 3, 5, 10, 30, 100 µm	10" 20" 30" 40"	DOE=Double Open End Code 3=222 / Flat Code 8=222 / Fin Code 7=226 / Fin, Bayonet	N=Buna-N E=EPDM V=Viton S=Silicone F=Teflon Encapsulated Viton