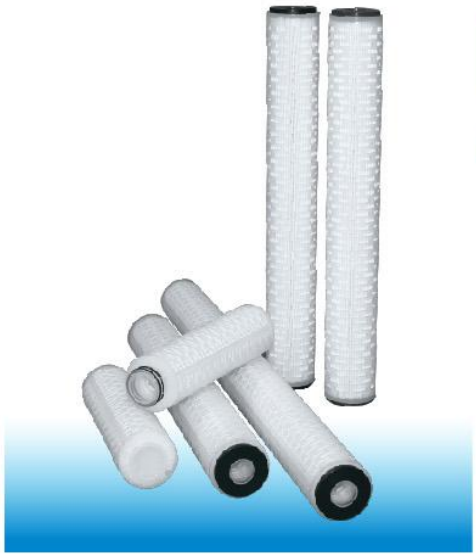
Pleated-Flow C Series Filter Cartridges



Product Introduction

Each Pleated-Flow C series filter cartridge is produced with a continuous rigid center core which enhances structural strength of cartridge. The cartridges are all polypropylene construction which provides wide chemical compatibility. Pleated-Flow C 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 C 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, 0.45, 0.8, 2, 3, 5, 10, 20, 30, 40, 70 µm

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

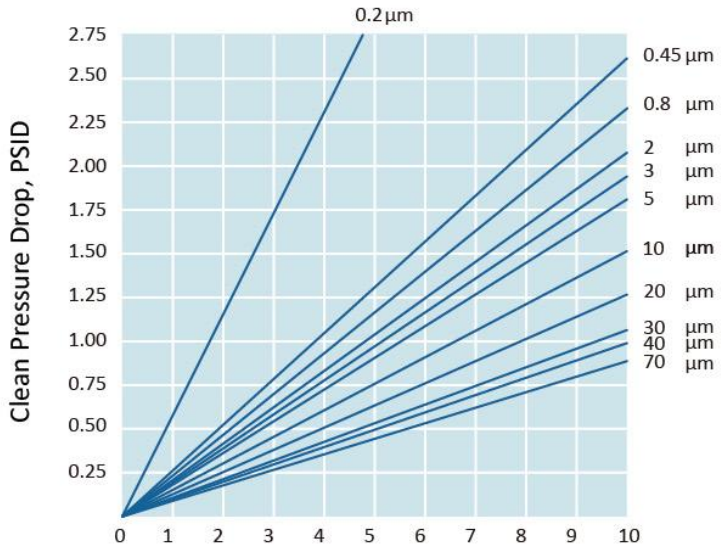
Toxicity

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, GPM, Water@AMB.

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

Ordering Information

PLTC	5-	10-	3	E
Product Name	Retention Rating	Cartridge Length	End Configuration	Gasket/O-ring Material
PLTC	0.2, 0.45, 0.8, 2, 3, 5, 10, 20, 30, 40, 70 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