Clear-Fine Series Filter Cartridges

Product Introduction

Clear-Fine series filter cartridges ultilize continuous fiber matrix to prevent media migration and ensure consistent filtration performance. Clear-Fine series filter elements are done with well surface treatment to eliminate any possibilities of fiber releasing. They are made with proprietary center core to enhance mechenical strength of cartridge. In addition, each Clear-Fine series cartridge is thermal bonded with foamed PE gaskets for better sealing. Besides, Clear-Fine series filters are free of surfactants, so the elements will not contaminate the filtrate.

- All materials meet FDA requirements for food and beverage contact
- Manufactured under a certified ISO 9001 quality system

Product Specifications

Materials of Construction

- Filter Media: Depth Spun Polypropylene
- Center Core: Polypropylene
- End Caps(DOE): Polyethylene Foam
- End Caps(SOE): Polypropylene
- O-rings: Silicone, Buna-N, EPDM, Viton

Dimensions

- Outside Diameter: 2.5'' (63mm)
- Inside Diameter: 1.1'' (28mm)
- Lengths: 10'', 20'', 30'', 40''

Performance Specifications

Retention Ratings

0.5, 1, 3, 5, 10, 30, 50, 75 µm

Operating Conditions

- Maximum Operating Temperature: 180°F (82°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 Clear-Fine series filter cartridges are free of surfactants, anti-static agents, binders and adhesives.

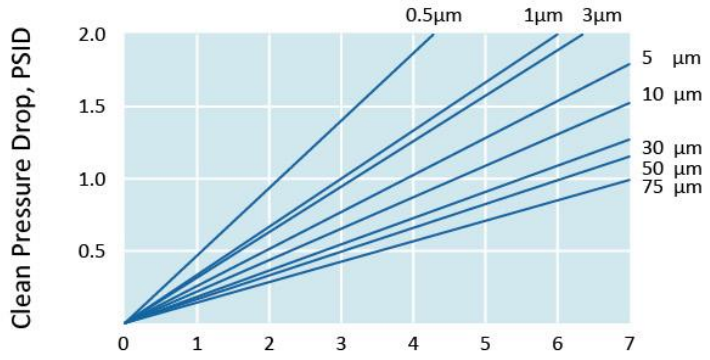
Toxicity

All cartridge components meet USP-XXIII, Class V Criteria.

Applications

Chemical Industry	Paint, Ink, Magnetic Paint, Oil, Solvent, Enzyme, Plating Chemicals, Adhesive, Resin, Photographic Chemical, Metalworking, etc.
Food and Beverage Industry	Wine, Potable Water, Beer, Soft Drink, Brewery, Sugar Liquid, Edible Oils, etc.
General Process Industry	LCD, Chemical Liquid, Plating Liquid, Pre-Filtration for RO/UF, Pure Water, Resin Trap, Water Treatment, etc.

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

CLF	5-	10	P-	3	E
Product Name	Retention Rating	Cartridge Length	Core Material	End Configuration	O-ring Material
CLF	0.5, 1, 3, 5, 10, 30, 50, 75 µm	10" 20" 30" 40"	P=PP	No Symbol=DOE Code 3=222 / Flat Code 8=222 / Fin Code 7=226 / Fin, Bayonet	N=Buna-N E=EPDM V=Viton S=Silicone