

Mega-Flow Series Filter Cartridges



Product Introduction

Filtrafine Mega-Flow series has large surface area for high flow filtration. It is ideally suitable for most LCD and TFT wet processing applications and filtration of high purity water. The polypropylene hardware construction of Mega-Flow series can be applied to many process fluids to ensure wide chemical compatibility. The compact cartridge design of Mega-Flow series offers long on-stream life to reduce equipment down-time and maintenance costs. Besides, it is compatible with Filtrafine TFT series housing.

- Manufactured in a class 1,000 clean room
- Manufactured under a certified ISO 9001 quality system

Product Specifications

Materials of Construction

- Filter Media: MEP: High Flow Melt Blown Polypropylene
MES: Highly Asymmetric PES Membrane
MEF: Expanded Polytetrafluoro-ethylene (ePTFE) Membrane
- Hardware: High Purity Polypropylene
- Sealing: Thermal Bond
- Support Material: Polypropylene
- Gaskets/O-rings: Silicone, Buna-N, EPDM, Viton, Teflon Encapsulated Viton

Dimensions

- Outside Diameter: 3.2" (83mm)
- Length: 10"

Performance Specifications

Retention Ratings

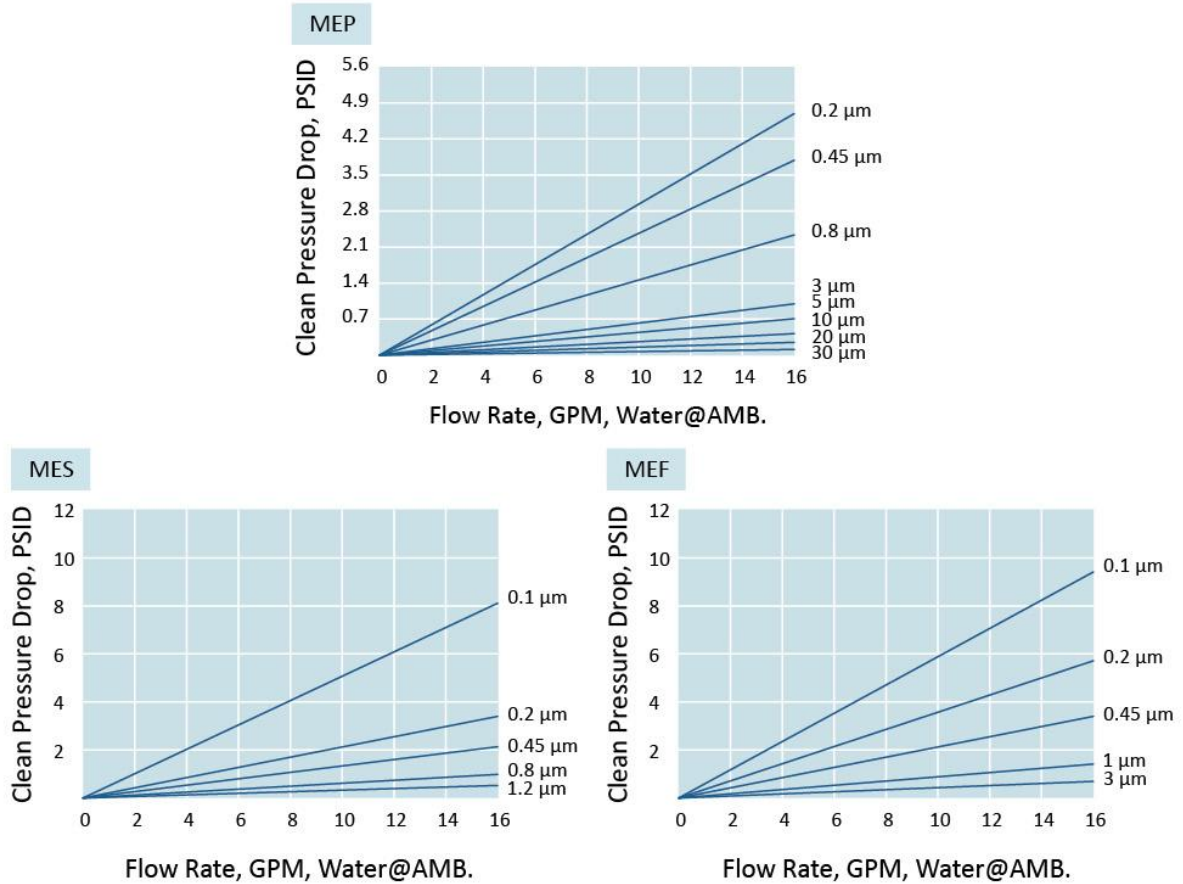
- MEP: 0.2, 0.45, 0.8, 3, 5, 10, 20, 30 μm
- MES: 0.1, 0.2, 0.45, 0.8, 1.2 μm
- MEF: 0.1, 0.2, 0.45, 1, 3 μm

Operating Conditions

- Maximum Operating Temperature: 180°F (82°C)
- Recommended Change Out Differential Pressure: 35 psid (2.4 bar)



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

MEP	5-	10-	3	E
Product Name	Retention Rating	Cartridge Length	End Configuration	O-ring Material
MEP (PP)	0.2, 0.45, 0.8, 3, 5, 10, 20, 30 μm	10"	Code 3=222 / Flat Code 6= 226 / Flat	E=EPDM V=Viton F=Teflon Encapsulated Viton
MES (PES)	0.1, 0.2, 0.45, 0.8, 1.2 μm			
MEF (PTFE)	0.1, 0.2, 0.45, 1, 3 μm			