

Filtrafine Mega-Flow Series High Flow Filter Cartridges

High Surface Area Filter Cartridge, Suitable for Applications in the TFT-LCD Industry

- Ideally Suited for Most LCD and TFT Wet Processing Applications and the Filtration of High Purity Water
- Wide Range of Filter Media and Removal Ratings Available Enabling Optimization of Many Processes
- High Purity Polypropylene Hardware Construction – Inert to Many Process Fluids Ensuring Wide Chemical Compatibility
- Compact Cartridge Design Offers Long On-Stream Life Reducing Equipment Down-Time and Maintenance Costs
- Each Filter Element Stamped with Pore Size, Lot and Serial Number for Identification and Traceability
- 100% Flushed with 18 Megaohm-cm DI Water for PES and PTFE Media
- Various Gaskets/O-rings Materials – Compatible with Many Fluids
- Filters are Manufactured, Flushed, Tested and Packaged in a Class 1,000 Clean Room Environment
- Manufactured Under a Certified ISO 9001 Quality System



Product Specifications

Materials of Construction:

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|---------------------|---|
| • Filter Media: | MEP: High Flow Meltblown 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, EPDM, Buna-N, Teflon Encapsulated Viton |

Dimensions (nominal):

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|---------------------|-------------|
| • Outside Diameter: | 3.2" (83mm) |
| • Lengths: | 10" (254mm) |

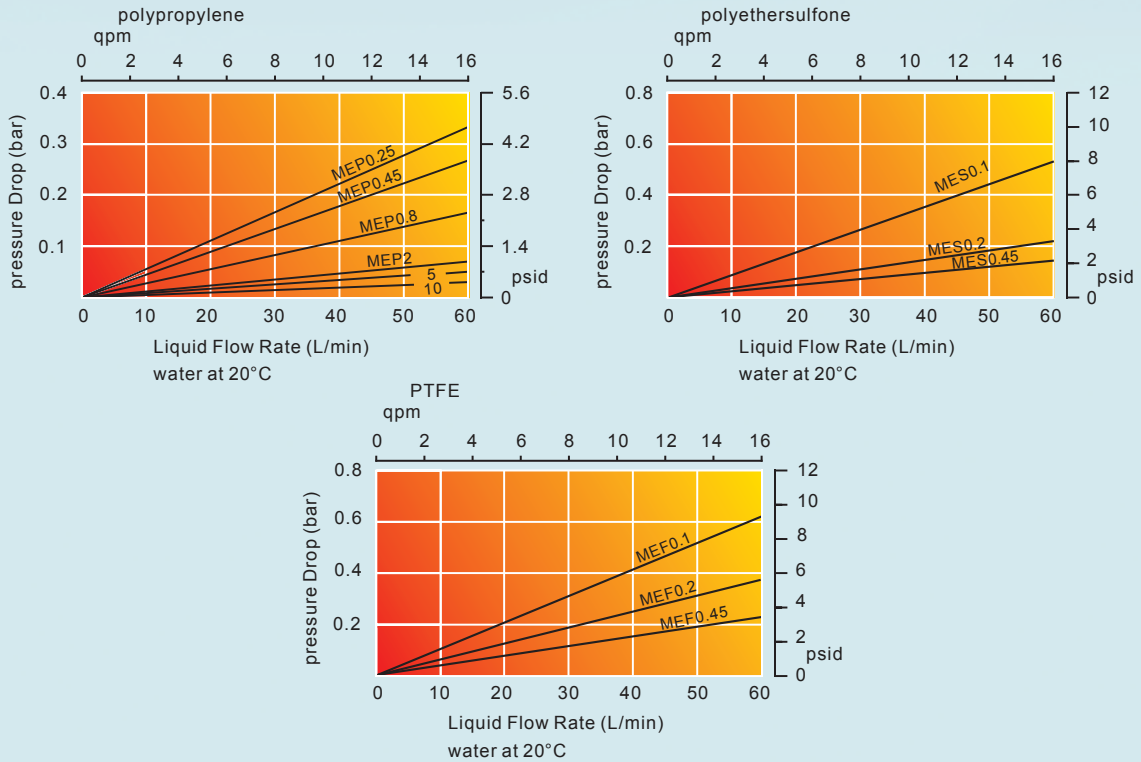
Performance Specifications

- | | |
|----------------------|----------------------------------|
| • Retention Ratings: | MEP: 0.25, 0.45, 0.8, 2, 5, 10µm |
| | MES: 0.1, 0.2, 0.45µm |
| | MEF: 0.1, 0.2, 0.45µm |

Operating Conditions:

- Maximum Operating Temperature: 168°F (75°C)
- Recommended Change Out Differential Pressure: 35 psid (2.4 bar)

Liquid Flow Rates vs. Initial Differential Pressure



Flow rate is per 10" (254mm) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity in centipoises

Ordering Information

MEP Product Name	5- Retention Rating	10- Cartridge Length	3 End Configurations	E Materials of O-rings/Gaskets
Mega-Flow MEP (PP) MES (PES) MEF (PTFE)	0.25~10µm 0.1~0.45µm abs. 0.1~0.45µm abs.	10", 20"	3 = SOE with 222 O-rings, Flat Closed End 6 = SOE with 226 O-rings, Flat Closed End	E=EPDM V=Viton F=Teflon Encapsulated Viton