

PM Pleated Filters

■ Features and Benefits

Memtrex-PM (MPM) filters' 100% polypropylene construction offers low extractables, long service life and broad chemical compatibility. Thermoplastic sealing techniques are used in the cartridge construction eliminating the need for glues or sealers which could leach contaminants. MPM filters are integrity testable. All components are made of FDA-acceptable materials and meet the test criteria for the USP24 Class VI 121°C plastics.

MPM filters utilize high flow polypropylene membranes, capable of protecting your gas, air, and liquid processes with absolute ratings of 0.1 and 0.2 micron. Osmonics is your complete source for filters, crossflow membranes, housings and other filtration equipment.

■ Applications

Memtrex-PM filters are specifically designed for pure chemical filtration. Typical applications include:

- Vent and Process Air
- Solvents, Acids and Bases
- Etchants, Photoresists and Developers
- Ultrapure Chemicals

■ Available Absolute Pore Size Ratings

- 0.1 and 0.2 μm

■ Materials of Construction

- Filtration MediaPolypropylene Membrane
- Support LayersPolypropylene Microfiber
- Core and CagePolypropylene
- Endcaps and AdaptersPolypropylene

■ Dimensions

Nominal O.D.	Nominal I.D.	Effective Filtration Area
2.75" (70mm)	1.25" (31mm)	7.2 ft ² (0.67 m ²)

■ Integrity Testing

Air diffusion per 10" module after saturation with 100% IPA.

Pore Size Rating	Specification
0.1 μm	≤ 50 cc/min at 10 psig (0.69 bar)
0.2 μm	≤ 60 cc/min at 7 psig (0.48 bar)

■ Operational Limits

- Maximum Forward Differential Pressure60 psig (4.14 bar)
- Maximum Reverse Differential Pressure30 psig (2.07 bar)
- Maximum Operating Temperature.....122°F (50°C) at 10 psid (0.69 bar) in water

Memtrex-PM (MPM) filters have a broad chemical compatibility. Constructed with high purity polypropylene membrane, hardware and supports, these filters are ideal for filtration of aggressive gases, liquids, and solutions from a wide variety of chemical and engineering processes.



Sterilization

Memtrex-PM filters may be autoclaved (121°C, 30 minute cycles) or in situ steam sterilized (125°C, 30 minute cycles) for a maximum accumulated exposure of 10 hours. Alternatively, the filters may be sanitized with compatible chemical agents.

Biosafety

The component materials of Memtrex-PM filters are suitable for use in articles intended for repeated food contact as specified in the United States Code of Federal Regulations, Title 21. Memtrex-PM filters meet the test criteria for USP24 class VI-121°C Plastics and pass the MEM Elution Cytotoxicity Test.

Extractables

Aqueous extracts from Memtrex-PM filters contain less than 0.25 EU/ml. The filters typically exhibit low levels of non-volatile residues.

Ordering Information

Type	Absolute Micron Rating	Nominal Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material
MMP	91 = 0.1 µm 92 = 0.2 µm	1 = 10 Inch 2 = 20 Inch 3 = 30 Inch 4 = 40 Inch	A = Open End Gasket B = 120 O-Ring C = 213 O-Ring E = 222 O-Ring F = 226 O-Ring J = 020 O-Ring Q = 222 O-Ring Stainless Steel Insert Z = 226 O-Ring Stainless Steel Insert	A = Open End Gasket B = 120 O-Ring C = 213 O-Ring G = Closed End Cap H = Fin Adapter	B = Buna-N E = EPDM S = Silicone T = Teflon* Encapsulated (Only in 222 and 226 Sizes) V = Viton*

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For More Information:

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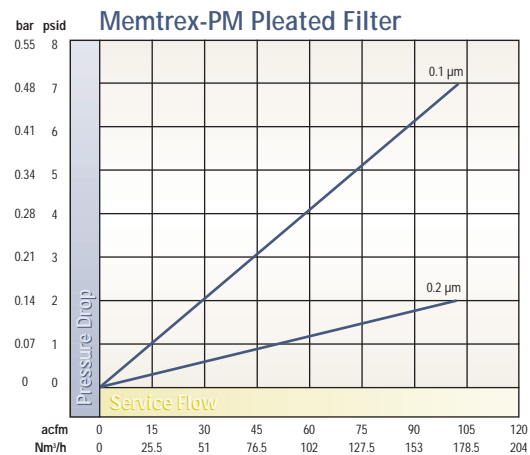
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