

MP-S Pleated Filters



Memtrex-MP-S (MMP-S) validatable sterilizing grade cartridge filters are designed for final sterile filtration of biological and pharmaceutical fluids.

■ Features and Benefits

Our commitment to validation is based upon the FDA Guidelines that we “establish documented evidence of assurance that a specific process will consistently produce a product meeting its predetermined specification and quality attributes.” Memtrex-(MP-S) filters are designed for final sterile filtration of biological and pharmaceutical products. The double-layer PES membrane provides low protein-binding, high throughput, broad chemical compatibility, and reliable bacteria retention for your critical filtration processes.

A detailed Validation Guide is available from Osmonics to document our rigorous testing for your records and reviews. The guide includes all the data necessary to assist the user with compliance to regulatory requirements.

The MMP-S filter is just one example of our strong commitment to the pharmaceutical industry. Our complete portfolio includes filters for every stage of processing, and we offer custom solutions for your unique applications. Osmonics is your complete source for filters, crossflow membranes, housings and other filtration equipment.

■ Applications

Memtrex-MP-S filters are specifically designed for sterile filtration of pharmaceutical and biological products. Typical applications include:

- Final Filtration of Drugs and Biologicals
- Final Filtration of Pure Water for Dialysis
- Diagnostics
- Vaccines
- Final Filtration of Water for Injection
- LVPs, SVPs
- Tissue Culture Media

■ Available Absolute Pore Size Ratings

- 0.2 µm

■ Materials of Construction

- Media.....2 layers of Hydrophilic Polyethersulfone
- Support Layers.....Polypropylene Microfiber
- Core and Cage.....Polypropylene
- Endcaps and Adapters.....Polypropylene with Stainless Steel Insert

■ Dimensions

Nominal O.D.	Nominal I.D.	Effective Filtration Area
2.75" (70mm)	1.25" (31mm)	5.2 ft ² (0.48 m ²)

■ Integrity Testing

Air diffusion per 10" module after saturation with clean water.
< 12 cc/min at 40 psig (2.76 bar)

■ Operational Limits

- Maximum Forward Differential Pressure60 psi (4.14 bar)
- Maximum Reverse Differential Pressure30 psi (2.07 bar)
- Maximum Operating Temperature.....180°F (82°C) at 10 psid (0.69 bar) in water

Sterilization

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

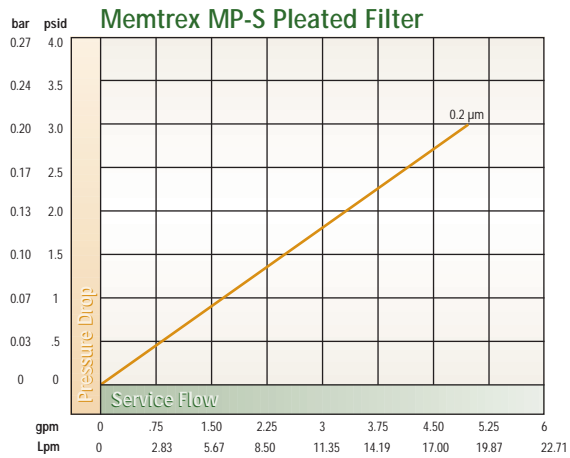
Biosafety

The component material of Memtrex-MP-S 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-MP-S filters meet the test criteria for USP24 Class VI-121°C Plastics and pass the MEM Elution Cytotoxicity Test.

Extractables

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

Flow Performance in Clean Water



Ordering Information

Type	Absolute Micron Rating	Nominal Cartridge Length	End #1 Adapter	End #2 Adapter	Elastomer Material	Grade
MMP	92 = 0.2 µm	1 = 10 Inch 2 = 20 Inch 3 = 30 Inch 4 = 40 Inch	Q = 222 O-Ring Stainless Steel Support Ring Z = 226 O-Ring Stainless Steel Support Ring	A = Open End Gasket B = 120 O-Ring C = 213 O-Ring G = Closed End Cap H = Fin Adapter	S = Silicone	S = Sterilizing

For More Information:

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