



MP Capsule Filters



■ Features and Benefits

- High throughput and precise retention characteristics
- Available absolute pore size ratings of 0.1, 0.2, 0.45, and 0.65 microns
- Broad chemical compatibility – ideal for filtration of acids, bases, and solvents
- Individually integrity tested during manufacturing
- Rinsed with DI water during manufacturing for improved cleanliness and rinse-up times
- Low protein binding membrane suitable for biopharmaceutical processes
- Constructed with FDA acceptable materials

■ Applications

Memtrex-MP Capsule Filters are specifically designed for filtration of process fluids in the beverage, pharmaceutical, and electronics industries, including applications such as:

- Filtration of acids, bases and oxidants
- Filtration of fine inks and dyes
- Filtration of serums and tissue culture media
- Point of use filtration for process water
- Filtration of pharmaceutical intermediates

■ Available Absolute Pore Size Ratings

- 0.1, 0.2, 0.45, and 0.65 µm

■ Available Connections

- 1/4"-1/2" Hose Barb
- 1/4" NPT Male
- 3/8" Hose Barb
- 1.5" Sanitary Flange
- 1/2" NPT Male

■ Materials of Construction

- Membrane.....Hydrophilic Polyethersulfone
- Membrane Support Layers.....Polypropylene Microfiber
- Structural Components.....Polypropylene

■ Dimensions

Capsule Size	Effective Filtration Area	Length*	Diameter
■ Small	0.8 ft ² (748 cm ²)	3.5 - 5.0 inches	3.5 inches
■ Medium	3.0 ft ² (2806 cm ²)	7.6 - 9.1 inches	3.5 inches
■ Large	5.9 ft ² (5500 cm ²)	11.5 -13.0 inches	3.5 inches

*Varies with connection style

■ Integrity Testing

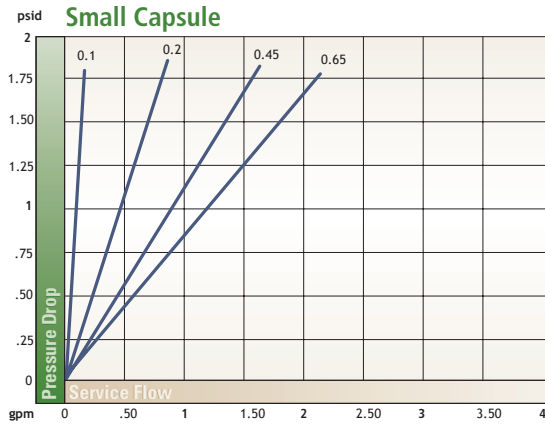
Pore Size Rating	Test Pressure	Air Diffusion Through Water Saturated Membrane
■ 0.1 µm	40 psi	≤ 1.8 cc/min per ft ² of Effective Filtration Area
■ 0.2 µm	30 psi	≤ 1.8 cc/min per ft ² of Effective Filtration Area
■ 0.45 µm	20 psi	≤ 1.8 cc/min per ft ² of Effective Filtration Area
■ 0.65 µm	10 psi	≤ 1.8 cc/min per ft ² of Effective Filtration Area

■ Operational Limits

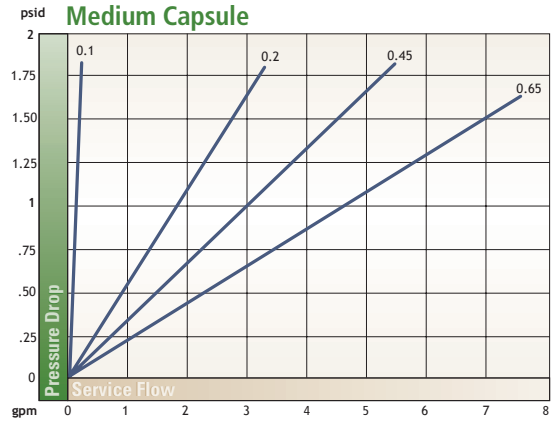
- Maximum Operational Pressure.....80 psi at 70°F in Liquid, 55 psi at 70°F in Gas
- Maximum Differential Pressure60 psi at 70°F
- Maximum Operating Temperature ...110°F at ≤ 30 psi Operating Pressure

Memtrex-MP Capsule Filters (CMMP) offer unique polyethersulfone membranes that exhibit both high throughputs and precise retention characteristics for superior performance in most applications. Additionally, CMMP filters are resistant to a broad range of chemicals and pH extremes. The DI water rinsed CMMP filters are the filtration solution to a wide variety of applications in the beverage, pharmaceutical, and electronics industries.

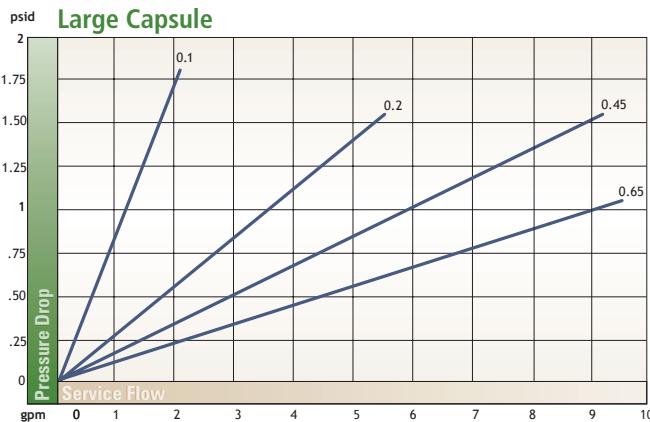
Flow Performance in Clean Water



Flow Performance in Clean Water



Flow Performance in Clean Water



Sanitization and Sterilization

Memtrex-MP Capsule Filters may be sanitized with a variety of commonly used chemical agents. The capsules may be repeatedly autoclaved (250°F, 15 psi, 30 min) for up to 5 cycles.

Biosafety

The component materials of the Memtrex-MP Capsule Filters meet the current test criteria for USP Class VI Plastics. Additionally, the component materials have been recognized by the FDA as suitable for use in articles intended for repeated food contact per 21 CFR.

Ordering Information

Type	Absolute Micron Rating	Capsule Size	Inlet Connection	Outlet Connection
CMMP	91 = 0.1µm 92 = 0.2µm 94 = 0.45µm 96 = 0.65µm	08 = small (0.8 ft ²) 30 = medium (3.0 ft ²) 59 = large (5.9 ft ²)	L = 1/4"-1/2" hose barb M = 3/8" hose barb R = 1/4" NPT male W = 1/2" NPT male Y = 1.5" sanitary flange	L = 1/4"-1/2" hose barb M = 3/8" hose barb R = 1/4" NPT male W = 1/2" NPT male Y = 1.5" sanitary flange

Call the Filtration & Separation Group at **(952) 988-6665** for additional information, **(800) 444-8212** in the U.S., or visit www.osmolabstore.com



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