



Memtrex PM Capsule Filters (CMPM) have a broad chemical compatibility. Constructed with high purity polypropylene membranes, hardware, and supports, they are ideal for the filtration of aggressive gases, liquids, and solutions from a wide variety of chemical and engineering processes.

Memtrex™ PM Capsules

with Hydrophobic Polypropylene Membrane

Features and Benefits

- > High flow, highly hydrophobic polypropylene membrane
- > Ideal for vent filtration
- > Low extractables, high throughput, long service life
- > 100% polypropylene construction
- > Individually integrity tested during manufacturing

Applications

Memtrex PM Capsule Filters are specifically designed for pure chemical filtration, including:

- > Filtration of etchants, photoresists, and developers
- > Filtration of solvents, acids, and bases
- > Filtration of fine chemicals
- > Vent/process air filtration

Available Absolute Micron Ratings

0.1 and 0.2 µm

Materials of Construction

- > Filtration Media — Hydrophobic Polypropylene Membrane
- > Membrane Support Layers — Polypropylene Microfiber
- > Structural Components — Polypropylene

Dimensions

Diameter

3.5" (9 cm)

Capsule Size	Effective Filtration Area	Length*
Small	0.8 ft ² (748 cm ²)	3.5 - 5.0" (9 - 13 cm)
Medium	3.0 ft ² (2806 cm ²)	7.6 - 9.1" (19 - 23 cm)
Large	5.9 ft ² (5500 cm ²)	11.5 - 13.0" (29 - 33 cm)

*Varies with connection style.



Integrity Testing

Water intrusion is ≤ 1.8 cc/min per ft² of Effective Filtration Area

Micron Rating	Test Pressure
0.1 μm	40 psi (2.8 bar)
0.2 μm	30 psi (2.1 bar)

Operational Limits

- > Maximum Operational Pressure
 - 80 psi (5.5 bar) @ 70°F (21°C) in Liquid,
 - 55 psi (3.8 bar) @ 70°F (21°C) in Gas
- > Maximum Differential Pressure
 - 60 psi (4.1 bar) @ 70°F (21°C)
- > Maximum Operating Temperature
 - 110°F (43°C) at ≤ 30 psi (2.1 bar) Operating Pressure

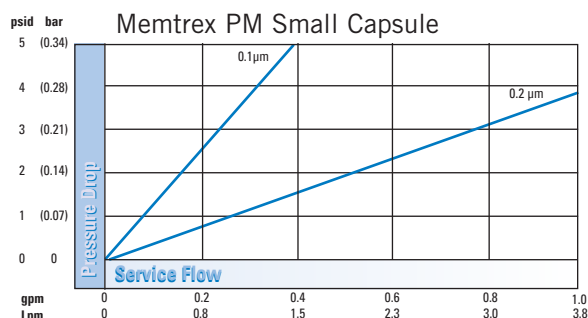
Additional Information

Memtrex PM Capsule filters may be sanitized with a variety of commonly used chemical agents. The capsules may be repeatedly autoclaved (121°C, 30 min) for up to 5 cycles.

GE certifies that the materials contained in its Memtrex PM Capsule filters meet U.S. FDA requirements for food contact under the applicable regulations in 21 CFR. For further information, contact the GE Technical Services Department. Memtrex PM filters meet the test criteria for USP class VI-121°C Plastics.

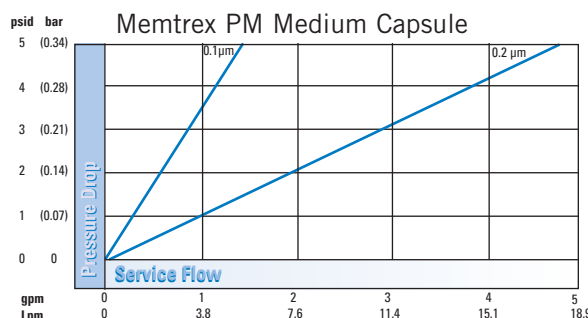
GE filter capsules are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your GE distributor for more information.

Flow Performance in Clean Water*



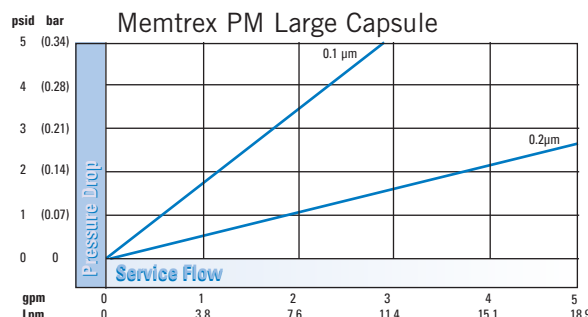
*Data based on 10 inch length filter.

Flow Performance in Clean Water*



*Data based on 10 inch length filter.

Flow Performance in Clean Water*



*Data based on 10 inch length filter.

Ordering Information

Type	Absolute Micron Rating	Capsule Size	Connections*
CMPM	91 = 0.1 μm	08 = small (0.8 ft ²)	L = 1/4" - 1/2" (6.3 - 12.7 mm) hose barb
	92 = 0.2 μm	30 = medium (3.0 ft ²)	M = 3/8" (9.5 mm) hose barb
		59 = large (5.9 ft ²)	R = 1/4" (6.3 mm) NPT male
			W = 1/2" (12.7 mm) NPT male
			Y = 1.5" (38.1 mm) sanitary flange

*Choose an inlet and outlet connection.

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