



Memtrex NY Capsule Filters (CMNY) have a unique polyester and polypropylene construction for enhanced reliability and usefulness. Polyester housings and support layers ensure and maintain capsule integrity, while a nylon prefilter membrane layer over a final membrane layer significantly enhances filter life. CMNY filters are suitable for a broad range of applications, meeting worldwide demand for functionality in chemical, beverage, and water processing.

Memtrex™ NY Capsules

with Hydrophilic Nylon66 Membrane

Features and Benefits

- > Utilizes inherently hydrophilic, high-purity Nylon66 membrane
- > Innovative serial layer membrane design
- > Thermal weld techniques — no adhesives, resins or binders
- > Low extractables
- > 100 % integrity tested and rinsed for uncompromised reliability and consistency

Applications

Memtrex NY Capsule Filters have been designed for reliable filtration in a wide range of applications, including:

- > Beverages
- > Electronics
- > Pharmaceuticals
- > Cosmetics
- > Fine and Bulk Chemicals

Available Absolute Micron Ratings

0.1, 0.2, 0.45, and 0.65 μm

Materials of Construction

- > Filtration Media — Two Layers of Hydrophilic Nylon66 (prefilter layer over final layer)
- > Membrane Support Layers — Polyester Microfiber
- > Structural Components — Polyester and 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 (5500 cm ²) | 11.5 - 13.0" (29 - 33 cm) |

*Varies with connection style.

Integrity Testing

Air diffusion through water saturated membrane 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) |
| 0.45 μm | 20 psi (1.4 bar) |
| 0.65 μm | 10 psi (0.6 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

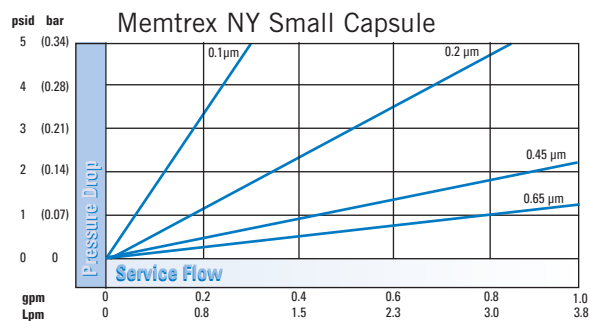
Additional Information

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

GE certifies that the materials contained in its Memtrex NY 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 NY filters meet the test criteria for USP class VI-121°C Plastics.

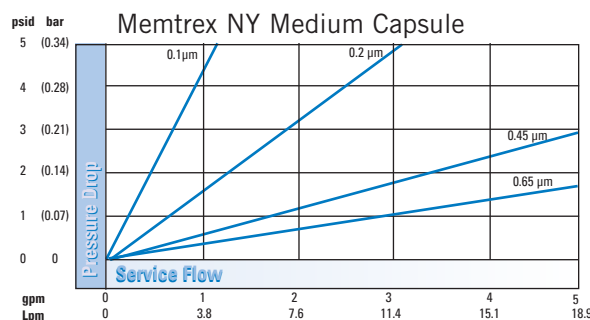
GE filter capsules are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your GE distributor for more information.

Flow Performance in Clean Water*



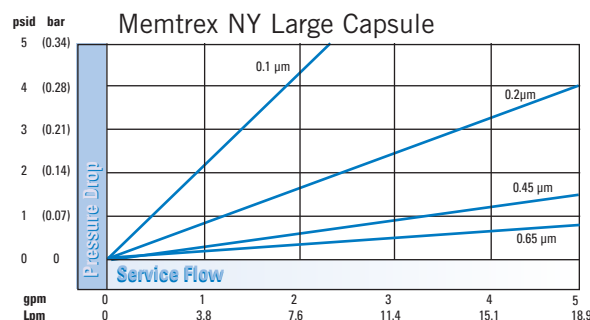
*Data based on 10 inch length filter.

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* |
|------|-------------------------|------------------------------------|---|
| CMNY | 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 |
| | 94 = 0.45 μm | 59 = large (5.9 ft ²) | R = 1/4" (6.3 mm) NPT male |
| | 96 = 0.65 μm | | 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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