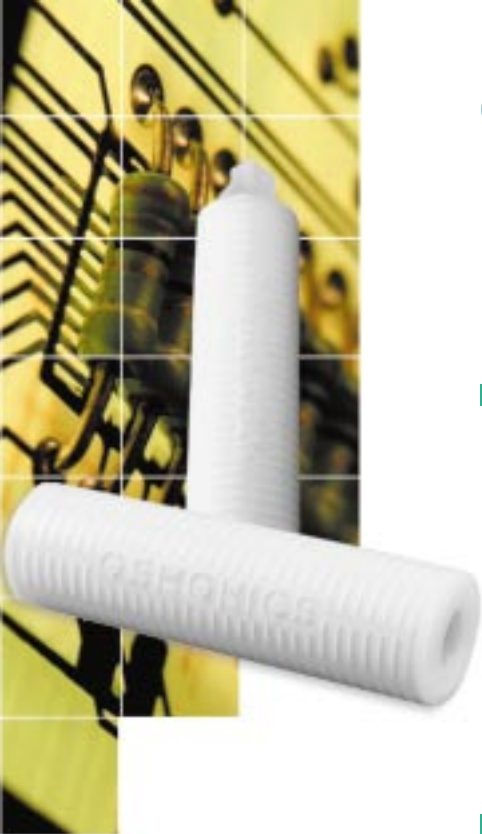


# NY Pleated Filters



## Features and Benefits

Memtrex-NY (MNY) filters are uniquely constructed for superior performance with a serial membrane layer design that incorporates a large pore-size membrane layer upstream of the final membrane layer. The first membrane acts like a prefilter to increase the life and efficiency of the cartridge. It is also highly effective in retaining difficult contaminants such as gelatinous particles. The final membrane layer ensures consistent retention characteristics.

MNY filters are designed to ensure maximum downstream cleanliness. Osmonics Nylon 66 membranes are naturally hydrophilic, non-shedding and do not contain leachable wetting agents. Thermoplastic sealing technologies are used in the cartridge construction eliminating the need for potentially contaminating adhesives. Each cartridge is manufactured under strict production control and is individually integrity tested. Osmonics is your complete source for filters, crossflow membranes, housings and other filtration equipment.

## Applications

MNY filters have excellent chemical compatibility making them the ideal choice for a broad range of applications such as high purity water, strong solvents, photoresists and other critical process fluid systems. Typical applications include:

- Filtration of pharmaceutical intermediates
- Filtration of positive photoresists
- Final filtration of beverages

## Available Absolute Pore Size Ratings

- 0.1, 0.2, 0.45, 0.65 and 1.0 μm

## Materials of Construction

- Media.....2 layers of Nylon66 Membrane (prefilter layer over final layer)
- Support Layers.....Polypropylene Microfiber
- Core and Cage.....Polypropylene
- Endcaps and Adapters.....Polyester

## Dimensions

Nominal O.D.	Nominal I.D.	Effective Filtration Area
2.75" (70 mm)	1.25" (31 mm)	6.9 ft <sup>2</sup> (0.64 m <sup>2</sup> )

## Integrity Testing

Air diffusion per 10" module after saturation with clean water

Pore size rate	Specification
0.1 mm	≤ 10cc/min at 40 psi (2.76 bar)
0.2 mm	≤ 10cc/min at 30 psi (2.07 bar)
0.45 mm	≤ 10cc/min at 15 psi (1.03 bar)
0.65 mm	≤ 10cc/min at 12 psi (0.83 bar)
1.0 mm	≤ 10cc/min at 5 psi (0.34 bar)

## Operational Limits

- Maximum Forward Differential Pressure .....60 psi (4.14 bar)
- Maximum Reverse Differential Pressure .....30 psi (2.07 bar)
- Maximum Operating Temperature.....180°F (82°C) at 10 psid (0.69 bar) in water

### Memtrex-NY (MNY)

*These filters are uniquely constructed for enhanced reliability and usefulness. Polyester endcaps and support layers are used to ensure and maintain cartridge integrity. Serial layer membrane design, with a prefilter membrane layer over a final membrane layer, significantly enhances cartridge life.*

## Sterilization

Memtrex-NY 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.

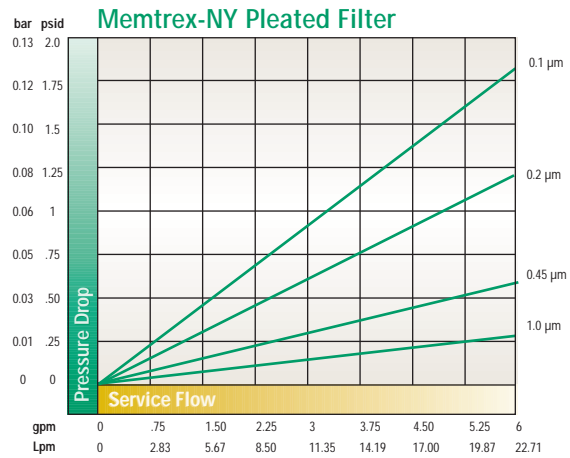
## Biosafety

The component materials of Memtrex-NY 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-NY filters meet the test criteria for USP24 class VI-121°C Plastics and pass the MEM Elution Cytotoxicity Test.

## Extractables

Aqueous extracts from Memtrex-NY 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
MNY	91 = 0.1mm 92 = 0.2mm 94 = 0.45mm 96 = 0.65mm	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:

Call Osmonics Filtration and Separation Group at (952) 933-2277 or (800) 848-1750, or visit [www.osmonics.com](http://www.osmonics.com)



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