

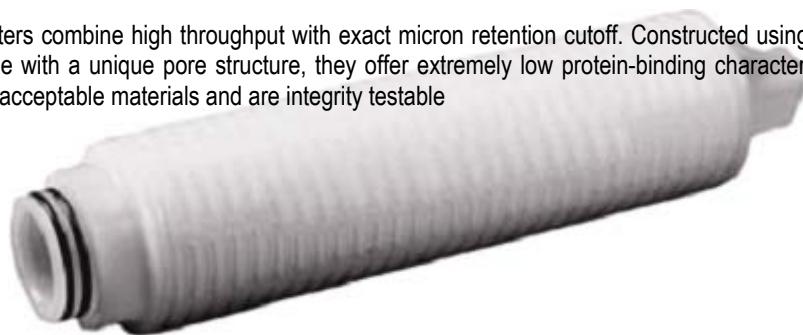
# PLEATED CARTRIDGES

## series MENTREX-MP (MMP)

**MODIFIED POLYETHERSULFONE MEMBRANE**

*(0.1, 0.2, 45., and 65 µm ABSOLUTE RATINGS)*

**MENTREX –MP (MMP)** filters combine high throughput with exact micron retention cutoff. Constructed using any asymmetric modified polyethersulfone membrane with a unique pore structure, they offer extremely low protein-binding characteristics. MMP pleated filters are constructed of all FDA-acceptable materials and are integrity testable



MMP filters offer leadership in new modified polyethersulfone membranes. MMP filters combine high throughput with exact micron retention cutoff. MMP filters offer broad chemical compatibility, ideal for filtration of acids, bases and solvents. From FILTERS you receive the best of new technology in modified polyethersulfone and with MMP filters, the new modified polyethersulfone will lead the new market in new applications.

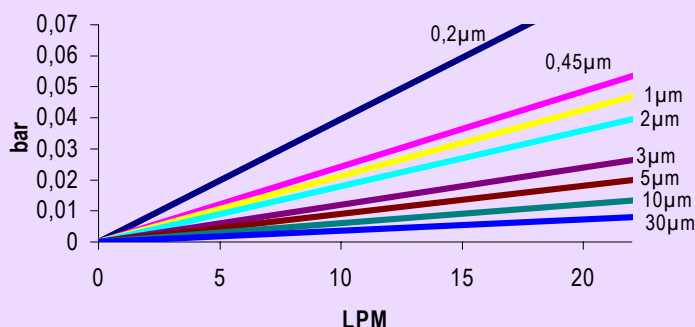
The MMP filter is just one example of our strong commitment to fluid treatment. Our complete portfolio includes filters for every stage of processing, and we offer custom solutions for your unique applications. FILTERS is your complete source for filters, housings, and other filtration equipment.

Whether you require an integrated solution or a single component for a specific application, look towards FILTERS first. From one end of the filtration spectrum to the other, FILTERS has a total commitment to fluid purity.

### MMP ADVANTAGES

- New modified polyethersulfone membrane
- Broad chemical compatibility
- Low protein binding
- Unique asymmetric and tapered pore construction
- Filtration of acids, bases and solvents
- All FDA-acceptable materials
- Reliable microbiological controls
- Excellent throughput and low  $\Delta P$  characteristics

PRESSURE DROP (WATER)  
for 10" height element



## SPECIFICATIONS

**Effective Filtration Area for 10-inch Equivalent**  
0.1µm, 0.2µm, 0.45µm, 0.65µm, 7.0 ft², (0.69m²)

### **OPERATIONAL DATA**

Maximum Rated Differential Pressure  
Forward flow - 60 psi – (4.14 bar)  
Reverse flow - 30 psi – (2.07 bar)

Maximum Rated Operating Temperature  
180°F (82°C) at 10 psi (0.69 ) bar in water

### **CARTRIDGE DIMENSIONS**

(NOMINAL)

Outside diameter 2.75 inches (70 mm)  
Inside diameter 1.25 inches (31 mm)

### **INTEGRITY TEST**

#### **DIFFUSIONAL FLOW (H2O)**

0.1µm – 20 cc/min at 40 psig (2.76 bar)  
0.2µm – 12 cc/min at 30 psig (2.07 bar)  
0.45µm – 10 cc/min at 20 psig (1.38 bar)  
0.65µm – 5 cc/min at 13 psig (0.90 bar)

## APPLICATIONS

**Memtrex-MP filters are specifically designed for filtration of process fluids and micro-electronics solutions. Typical applications include :**

**FINAL FILTRATION OF PURE WATER FOR DIALYSIS**

- Reliable microbial control

**FINAL FILTRATION OF ELECTRONICS FLUIDS**

- Recirculating etch baths
- Use E Grade for SEMI water

**FILTRATION OF ACIDS, BASES AND OXIDANT**

- High flow
- Ultralow extractables

**FINAL FILTRATION OF BOTTLED WATER**

- Reliable microbial control

## **ORDERING CODE**

