

# AM™ MEMBRANES

## MICROFILTRATION 8" MEMBRANES

### POLYSULFONE

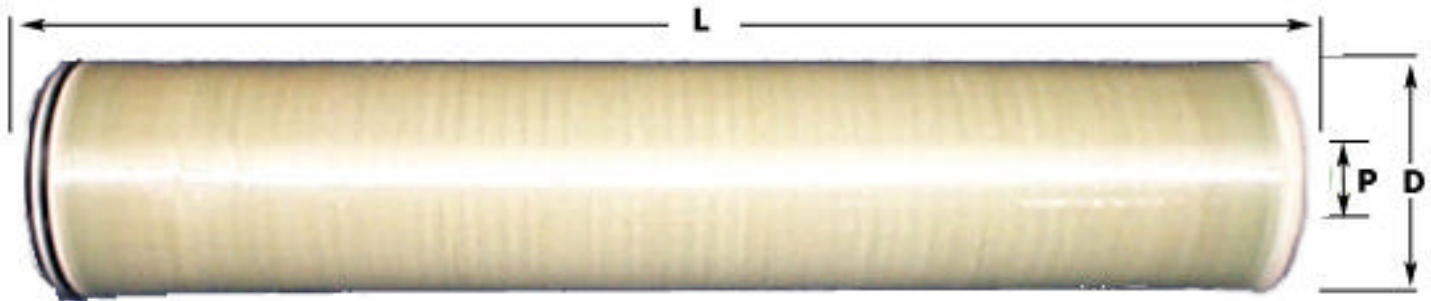
#### PERFORMANCE SPECIFICATIONS

Model No.	Pure Water Flux (GFD)	Nominal Active Surface Area ft <sup>2</sup>	Molecular weight Cut-off (MWCO)
M-MB8040PS20	1200-1400	350	20,000

**Design Notes:** 1) MWCO is defined as the molecular weight of the challenge material which the membrane rejects at rate of 90% or better.  
 2) Fluxes shown are for sheet membrane in cell tests only. Careful consideration must be given to spiral element design to take advantage of high flux, low pressure membranes.

**Applications:** Post-treatment of ultrapure water  
 Removal of suspended solids  
 Process steam clarification, such as sugar solutions

An inter-connector is provided with each element, part no. PV-IN810:



#### RECOMMENDED OPERATING CONDITIONS

Maximum applied pressure	600 psi
Maximum feed flow rate	75 gpm
Maximum operating temperature	113°F (45°C)
Maximum feed water turbidity	1 NTU
Maximum feed water silt density index (15 min)	5
Chlorine tolerance	5,000 ppm days
Feed water pH range, Continuous Operation	2-11
Feed water pH range, Short-Term Cleaning (30 Minutes)	2-12
Performance challenge material and pressure	Polyethylene Glycol @ 30 psi
Single Element recovery percent	10

#### DIMENSIONS

Model No.	L		P		D	
	Inches	MM	Inches	MM	Inches	MM
M-MB8040PS20	40	1,016	1.125	29	7.9	201

Applied Membranes, Inc. assumes no liability for results obtained or damages incurred through the improper application of the above information and data.

**APPLIED**  
**MEMBRANES INC.**

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## Important Operating Information

1. Elements must be kept sealed and moist when in storage. Drying out will irreversibly damage the membranes.
2. Prevent elements from freezing, or being exposed to direct sunlight.
3. Elements are shipped in sealed bags and contain a preservative solution of 1-2% (by weight) of sodium meta bisulfite (Food Grade).
4. Discard the permeate from the first hour of operation.
5. Applied Membranes' obligation under this warranty is limited to and shall be fully discharged by repairing or replacing any defective part FOB its works. Applied Membranes shall not be liable for damages or delay caused by defective material. Please refer to detailed warranty information.
6. Warranty claims for membrane elements must be made as detailed in Membrane Warranty Claims Bulletin.