

## POLYSULFONE (PS) MF ELEMENTS

### PERFORMANCE SPECIFICATIONS

Model No.	Size (Dia. " × Length")	End Style/Wrap	Molecular Weight Cut-Off (MWCO)
M-M1812PS20	1.75 × 12	Standard/Tape	20,000
M-M2514PS20	2.5 × 14	Standard/Tape	20,000
M-M2521PS20	2.5 × 21	Standard/Tape	20,000
M-M2540PS20	2.5 × 40	Standard/Tape	20,000
M-M4014PS20	4.0 × 14	Standard/Tape	20,000
M-M4021PS20	4.0 × 21	Standard/Tape	20,000
M-M4040PS20	4.0 × 40	Standard/Tape	20,000
M-M4040PS20D	4.0 × 40	Flush-Cut/Tape	20,000
M-MB4040PS20D	4.0 × 40	Flush-Cut/FRP	20,000
M-MB8040PS20 (46 mil)	8.0 × 40	Standard/Flush-Cut FRP	20,000

30 mil spacer standard. For 43 mil spacer, add -43 at the end of the model number. Example: M-M2540PS20-43.

### DESIGN NOTES

- MWCO is defined as the molecular weight of the challenge material which the membrane rejects at rate of 90% or better.

### APPLICATIONS

Typical application areas for PS Membranes are:

- Post-Treatment of ultrapure water
- Removal of suspended solids
- Process steam clarification, such as sugar solutions

**Note:** An interconnector is provided with each 8" element, part no. PV-IN810:



### RECOMMENDED OPERATING CONDITIONS

• Maximum feed flow rate	
○ 1.8" Diameter Elements	2 gpm
○ 2.5" – 4" Diameter Elements	20 gpm
○ 8" Diameter Elements	80 gpm
• Maximum operating temperature	122°F (50°C)
• Chlorine tolerance	5,000+ ppm days
• Feedwater pH range, Continuous Operation	2-11
• Feedwater pH range, Short-Term Cleaning (30 minutes)	2-11.5
• Performance challenge material and pressure	Polyethylene Glycol @ 30 psi

### DIMENSIONS

Model No.	Type	L		I		D		P	
		In.	Cm.	In.	Cm.	In.	Cm.	In.	Cm.
M-M1812PS20	--	11.75	29.8	10.0	25.4	1.75	4.4		
M-M2514PS20	I	14	35.6	11.62	30	2.5	6.4		
M-M2521PS20	I	21	53.3	19	48	2.5	6.4		
M-M2540PS20	I	40	101.6	38	96	2.5	6.4		
M-M4014PS20	I	14	35.6	12	30	3.9	9.9		
M-M4021PS20	I	21	53.3	19	48	3.9	9.9		
M-M4040PS20	I	40	101.6	38	96	3.9	9.9		
M-M4040PS20D	II	40	101.6	--	--	3.9	9.9		
M-MB4040PS20D	II	40	101.6	--	--	3.9	9.9		
M-MB8040PS20	II	40	101.6	--	--	7.9	20.1	1.125	2.9