

Microfiltration Elements – Polysulfone (PS)

PERFORMANCE SPECIFICATIONS

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

30 mil spacer standard for 2-4" Dia. For 43 mil spacer, add -43 at the end of the model number. Example: M-M2540PS20-43.

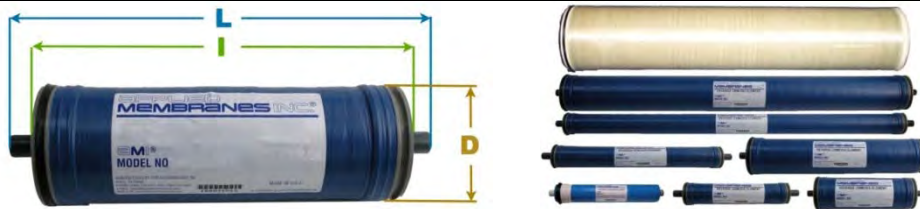
Note: An interconnector is provided with each 8" element, part no. PV-IN810.

APPLICATIONS

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

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
◆ Feed water pH Range, Continuous Operation	2-11
◆ Feed water pH Range, Short-Term Cleaning (30 min)	2-11.5
◆ Performance Challenge Material and Pressure	Polyethylene Glycol @ 30 psig



4 × 14 Shown for Dimensions, Actual Membrane Appearance Varies per Size.

Model No.	L		I		D	
	inches	centimeters	inches	centimeters	inches	centimeters
M-M1812PS20	11.75	29.8	10.0	25.4	1.75	4.4
M-M2514PS20	14	35.6	11.62	30	2.5	6.4
M-M2521PS20	21	53.3	19	48	2.5	6.4
M-M2540PS20	40	101.6	38	96	2.5	6.4
M-M4014PS20	14	35.6	12	30	3.9	9.9
M-M4021PS20	21	53.3	19	48	3.9	9.9
M-M4040PS20	40	101.6	38	96	3.9	9.9
M-M(B)4040PS20D	40	101.6	N/A	N/A	3.9	9.9
M-MB8040PS20 1.125" Permeate Tube	40	101.6	N/A	N/A	7.9	20.1