

Ultrafiltration Membranes – Polyethersulfone (PES)

PERFORMANCE SPECIFICATIONS

Model No.	Size (Dia."× Length")	Style	Outer Wrap	Molecular Weight Cut-Off (MWCO)
M-U1812PES	1.75 × 12	Standard	Tape Wrap	10,000
M-U2514PES	2.5 × 14	Standard	Tape Wrap	10,000
M-U2521PES	2.5 × 21	Standard	Tape Wrap	10,000
M-U2540PES	2.5 × 40	Standard	Tape Wrap	10,000
M-U4014PES	4.0 × 14	Standard	Tape Wrap	10,000
M-U4021PES	4.0 × 21	Standard	Tape Wrap	10,000
M-U4040PES	4.0 × 40	Standard	Tape Wrap	10,000
M-U4040PESD	4.0 × 40	Flush-Cut	Tape Wrap	10,000
M-UB4040PESD	4.0 × 40	Flush-Cut	FRP Wrap	10,000
M-UB8040PES	8.0 × 40	Flush-Cut, 46 mil	FRP Wrap	10,000

30 mil spacer standard for 2-4" Dia.. For 43 mil spacer, add -43 at the end of the model number. Example: M-U2540PES-43.

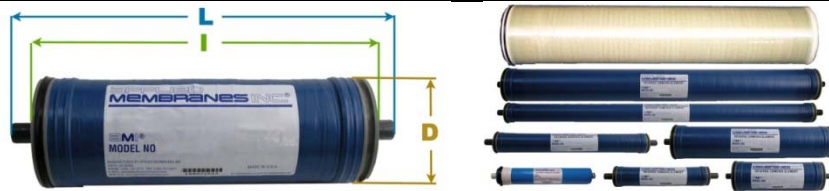
Note: An interconnector is provided with each 8" element, part no. PV-IN810.

APPLICATIONS

- ◆ Absolute bacteria and virus removal from surface waters
- ◆ Beverage and liquid food processing and byproduct streams
- ◆ Applications requiring tolerance to solvents
- ◆ Treatment of oil, food, and pharmaceutical streams that require resistance to many esters and aromatics

RECOMMENDED OPERATING CONDITIONS

◆ Maximum Operating Pressure	150psi (10 bar) at 77°F (25°C)
◆ 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	140°F (60°C) at 100 psi
◆ Chlorine Tolerance	5000 ppm days
◆ Feed water pH Range, Continuous Operation	2-11
◆ Feed water pH Range, Short-Term Cleaning (30 mins)	1-13



Model No.	L		l		D	
	inches	centimeters	inches	centimeters	inches	centimeters
M-U1812PES	11.75	29.8	10.0	25.4	1.75	4.4
M-U2514PES	14	35.6	11.62	30	2.5	6.4
M-U2521PES	21	53.3	19	48	2.5	6.4
M-U2540PES	40	101.6	38	96	2.5	6.4
M-U4014PES	14	35.6	12	30	3.9	9.9
M-U4021PES	21	53.3	19	48	3.9	9.9
M-U4040PES	40	101.6	38	96	3.9	9.9
M-U(B)4040PESD	40	101.6	N/A	N/A	3.9	9.9
M-UB8040PES 1.125" Permeate Tube	40	101.6	N/A	N/A	7.9	20.1