AMI® MEMBRANES

Low Energy (LE) Commercial RO Membranes

AMI Low Energy Membrane Elements are specially designed to run at 150 psi. By using these elements instead of standard elements, you can significantly reduce your operating costs. These tape wrapped elements are for use in tap water applications.

PERFORMANCE SPECIFICATIONS

Model No.	Permeate Flow Rate		Size (Dia."× Length")	Single Element Recovery (%)	Stabilized Salt Rejection (%)
	gpd	lpd			
M-T2026ALE	450	1703	2.0 × 26	10	99.0
M-T2514ALE	264	999	2.5 × 14	5	99.0
M-T2521ALE	450	1703	2.5 × 21	8	99.0
M-T2540ALE	1000	3785	2.5 × 40	15	99.0
M-T4014ALE	610	2309	4.0 × 14	5	99.0
M-T4021ALE	1148	4345	4.0 × 21	8	99.0
M-T4040ALE	2900	10976	4.0 × 40	15	99.0

Note: Performance specifications based on 2,000 mg/l sodium chloride, 150psi (1 MPa) applied pressure, 77ºF (25ºC) feed water temperature, pH 8 and the recovery listed in the table above. Element permeate flow may vary ± 20%. Caution: Do not run these membranes at a pressure that will produce more than their rated product flow rate. This will lead to premature fouling of the membrane resulting in drop in permeate flow and higher TDS of the permeate.

RECOMMENDED OPERATING CONDITIONS

Maximum Operating Pressure	300 psig (2.1MPa)	Maximum Feed Flow Rate	
Maximum Operating Temperature	113°F (45°C)	o 2" Dia. Elements	3 gpm
Maximum Feed water Turbidity	1 NTU	o 2.5" Dia. Elements	6 gpm
Maximum Feed water SDI (15 min)	4	o 4" Dia. Elements	17 gpm
Chlorine Tolerance	0	Feed water pH Range (Continuous)	2-11
Maximum Pressure Drop:	13psig (0.9 bar)	Feed water pH Range (Cleaning – 30 min.)	1-12

MEMBRANE ELEMENT DIMENSIONS

Model No.	L		I		D	
	inches	centimeters	inches	centimeters	inches	centimeters
M-T2026ALE	26	66	23.64	60	1.8	4.6
M-T2514ALE	14	35.6	11.62	30	2.5	6.4
M-T2521ALE	21	53.3	19	48	2.5	6.4
M-T2540ALE	40	101.6	38	96	2.5	6.4
M-T4014ALE	14	35.6	12	30	3.9	9.9
M-T4021ALE	21	53.3	19	48	3.9	9.9
M-T4040ALE	40	101.6	38	96	3.9	9.9

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