

Fiberglass-Wrapped Brackish Water Membranes

AMI commercial thin film BWRO elements are wrapped in a hard shell of FRP for added strength and to withstand higher pressure drops. High-flow option for higher permeate production are available in select sizes. (High-flow models are indicated by "AHF" at the end of the part number.)



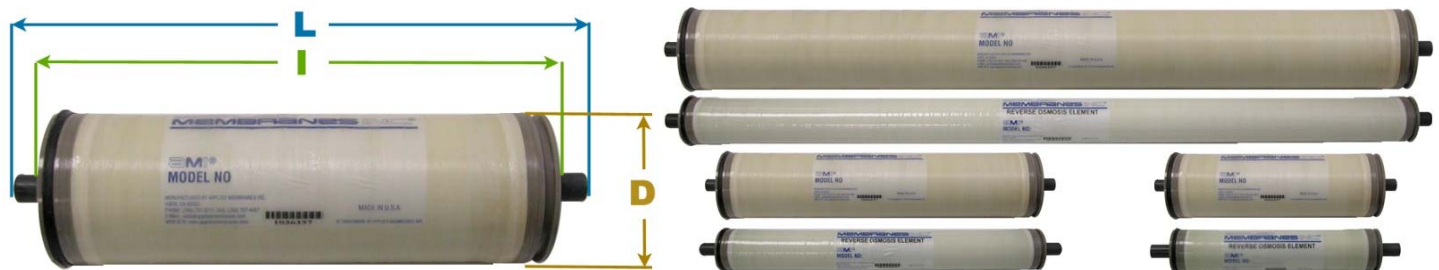
PERFORMANCE SPECIFICATIONS

Model No.	Permeate Flow Rate		Size (Dia."× Length")	Single Element Recovery (%)	Minimum Salt Rejection (%)	Stabilized Salt Rejection (%)
	gpd	lpd				
M-B2514A	200	757	2.5 × 14	5	98	99.5
M-B2521A	325	1,230	2.5 × 21	8	98	99.5
M-B2540A	1,000	3,785	2.5 × 40	15	98	99.5
M-B2540AHF	1,060	4,012	2.5 × 40	15	98	99.5
M-B4014A	525	1,987	4.0 × 14	5	98	99.5
M-B4014AHF	655	2,479	4.0 × 14	5	98	99.5
M-B4021A	900	3,407	4.0 × 21	8	98	99.5
M-B4021AHF	1,125	4,258	4.0 × 21	8	98	99.5
M-B4040A	2,400	9,084	4.0 × 40	15	98	99.5
M-B4040AHF	3,000	11,355	4.0 × 40	15	98	99.5

Note: Performance specifications based on 2,000 mg/l sodium chloride, 225 psi (1.6 MPa) applied pressure, 77°F (25°C) feed water temperature, pH 8 and the recovery listed in the table above. Element permeate flow may vary ± 20%.

RECOMMENDED OPERATING CONDITIONS

Maximum Operating Pressure	600 psig (4.1MPa)	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:	15psig (1 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-B2514A	14	35.6	11.62	30	2.5	6.4
M-B2521A	21	53.3	19	48	2.5	6.4
M-B2540A, AHF	40	101.6	38	96	2.5	6.4
M-B4014A	14	35.6	12	30	3.9	9.9
M-B4021A, AHF	21	53.3	19	48	3.9	9.9
M-B4040A, AHF	40	101.6	38	96	3.9	9.9