

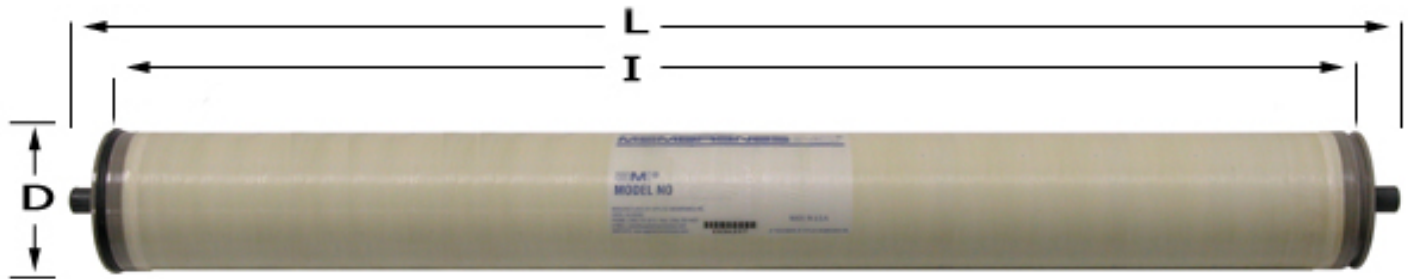
# AMI<sup>®</sup> MEMBRANES

## 4.0" DIA. BRACKISH WATER FRP WRAPPED

### PERFORMANCE SPECIFICATIONS

Model No.	Permeate Flow Rate		Minimum Salt Rejection (%)	Stabilized Salt Rejection (%)
	Gals/Day	Liters/Day		
M-B4014A	480	1,817	98	99
M-B4014AHF	600	2,271	98	99
M-B4021A	900	3,407	98	99
M-B4021AHF	1125	4,258	98	99
M-B4040A	2200	8,327	98	99
M-B4040AHF	2800	10,598	98	99

**Note:** Performance specifications based on, 2000 mg/l sodium chloride, 225 psi (1.6 MPa) applied pressure, 77°F (25°C) feed water temperature, pH 8 and 15% recovery. Element permeate flow may vary ± 15%



### RECOMMENDED OPERATING CONDITIONS

Maximum applied pressure	600 psi
Maximum feed flow rate	17 gpm
Maximum operating temperature	113°F (45°C)
Maximum feed water turbidity	1 NTU
Maximum feed water silt density index (15 min)	4
Chlorine tolerance	<0.1
Feed water pH range, continuous operation	2-11
Feed water pH range, short-term cleaning (30 min)	1-12
Single Element recovery, %	15

### DIMENSIONS

Model No.	L		I		D	
	Inches	CM	Inches	CM	Inches	CM
M-B4014A, HF	14	35.6	12	30	3.9	9.9
M-B4021A, HF	21	53.3	19	48	3.9	9.9
M-B4040A, HF	40	101.6	38	96	3.9	9.9

Applied Membranes, Inc. assumes no liability for results obtained or damages incurred through the improper application of the above information and data.

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**MEMBRANES INC.**

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## Important Operating Information

1. Elements must be kept sealed and moist when in storage. Drying out will irreversibly damage the membranes.
2. Prevent elements from freezing, or being exposed to direct sunlight.
3. Elements are shipped in sealed bags and contain a preservative solution of 1-2% (by weight) of sodium meta bisulfite (Food Grade).
4. Discard the permeate from the first hour of operation.
5. Permeate flow varies with feed water temperature. Divide the rated flow with the correction factor below to get the permeate flow at that temperature.

Temperature		Correction Factor
°C	°F	
5	41.0	2.58
6	42.8	2.38
7	44.6	2.22
8	46.4	2.11
9	48.2	2.00
10	50.0	1.89
11	51.8	1.78
12	53.6	1.68
13	55.4	1.61
14	57.2	1.54
15	59.0	1.47
16	60.8	1.39
17	62.6	1.34

Temperature		Correction Factor
°C	°F	
18	64.4	1.29
19	66.2	1.24
20	68.0	1.19
21	69.8	1.15
22	71.6	1.11
23	73.4	1.08
24	75.2	1.04
25	77.0	1.00
26	78.8	0.97
27	80.6	0.94
28	82.4	0.91
29	84.2	0.88
30	86	0.85

6. Membrane Elements for residential systems have a one year warranty from the date of shipment. Warranty is void for membrane elements fouled by suspended solids, precipitates or biological growth. Membrane warranty is also void if the membrane elements are improperly used, poorly maintained or improperly stored.
7. Applied Membranes' obligation under this warranty is limited to and shall be fully discharged by repairing or replacing any defective part FOB its works. Applied Membranes shall not be liable for damages or delay caused by defective material. Please refer to detailed warranty information.
8. Warranty claims for membrane elements must be made as detailed in Membrane Warranty Claims Bulletin.