

AMI[®] MEMBRANES

2.5" CTA/CAB TAPWATER ELEMENT

PERFORMANCE SPECIFICATIONS

Model No.	Permeate Flow Rate		Salt Rejection (%)	
	Gals/Day	Liters/Day	Minimum	Stabilized
M-C2514A	80	303	96	98
M-C2521A	117	443	96	98
M-C2540A	250	946	96	98

Note: Performance specifications based on, 500 ppm tap water, 225 psi (1.6 MPa) applied pressure, 77°F (25°C) feed water temperature, feed water pH 7-8 and 15% recovery. Element permeate flow may vary ± 15%



RECOMMENDED OPERATING CONDITIONS

Maximum operating pressure	300 psi
Maximum feed flow rate	6 gpm
Maximum operating temperature	104°F (40°C)
Maximum feed water turbidity	1 NTU
Maximum feed water silt density index (15 min)	4
Chlorine tolerance	0.3-0.5 ppm (1 ppm Maximum)
Feed water pH range, continuous operation	4-6
Feed water pH range, short-term cleaning (30 min)	3-8
Minimum brine flow to permeate flow ratio	5:1

DIMENSIONS

Model No.	L		I		D	
	Inches	CM	Inches	CM	Inches	CM
M-C2514A	14	35.6	12	30	2.5	6.4
M-C2521A	21	53.3	19	48	2.5	6.4
M-C2540A	40	101.6	38	96	2.5	6.4

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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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
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.