

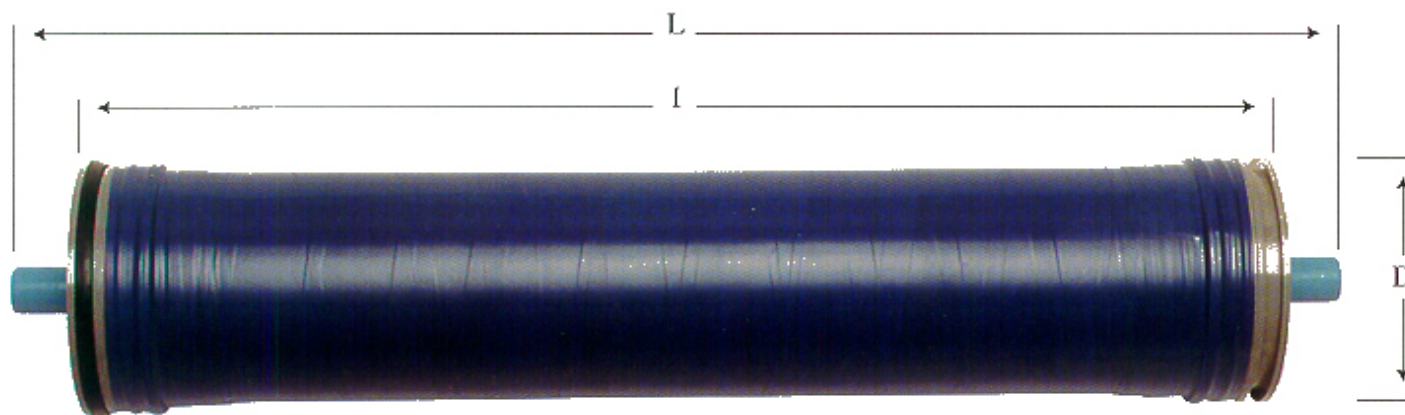
AMI[®] MEMBRANES

TAP WATER 4" LOW ENERGY THIN FILM ELEMENTS

PERFORMANCE SPECIFICATIONS

Model No.	Permeate Flow Rate		Minimum Salt Rejection Cl ⁻ (%)	Stabilized Salt Rejection (%)
	Gals/Day	Liters/Day		
M-T4014ALE	720	2,725	98	99
M-T4021ALE	1,50	5,110	98	99
M-T4040ALE	2,900	10,976	98	99

Note: Performance specifications based on, 2000 mg/l sodium chloride, 150 psi (1.08 MPa) applied pressure, 77°F (25°C) feed water temperature, pH 8 and 10% recovery. Element permeate flow may vary -15%/+25%. Low energy membranes in all sizes are now available from AMI. These membranes produce the same product flow as the earlier models but at a lower pressure (about 50-60% lower). A word of 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 applied pressure	300 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
Feedwater pH range, continuous operation	2-11
Feedwater 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-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

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.