

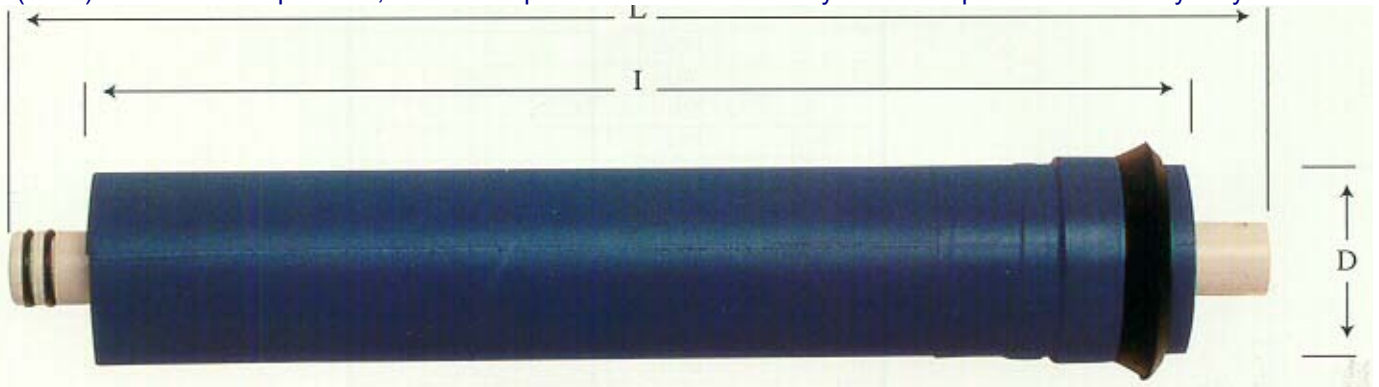
AMI[®] MEMBRANES

RESIDENTIAL CTA/CAB ELEMENTS

PERFORMANCE SPECIFICATIONS

Model No.	Permeate Flow Rate		Minimum Salt Rejection (%)
	Gals/Day	Liters/Day	
M-C1812A10	10	38	94
M-C1812A15	15	57	94
M-C1812A20	20	76	94

Note: Performance specifications based on, 500 ppm tap water, 65 psi (0.47 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	125 psi (0.86 MPa)
Maximum feed flow rate	2 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	4:1

DIMENSIONS

Model No.	L		I		D	
	Inches	CM	Inches	CM	Inches	CM
M-C1812A10	11.63	295	10.0	250	1.8	46
M-C1812A15	11.63	295	10.0	250	1.8	46
M-C1812A20	11.63	295	10.0	250	1.8	46

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.