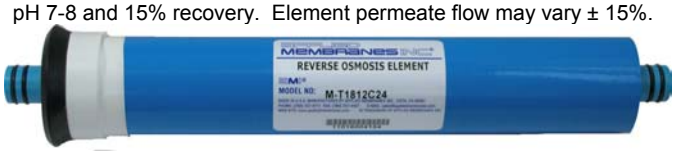
AMI® MEMBRANES

CULLIGAN REPLACEMENT ELEMENTS

CULLIGAN® REPLACEMENTS – PERFORMANCE SPECIFICATIONS

Model No.	Replaces Culligan Product	Type	Permeate Flow Rate Gals/Day	Liters/Day	Size (Dia. × Length)	Minimum Salt Rejection (%)	Stabilized Salt Rejection (%)
M-C1812C10	CTA 10 – H5	CTA	10	38	1.8" × 12"	94	94
M-C1812AC10	CTA 10 – AC Series	CTA	10	38	18." × 12"	94	94
M-T1512C18	TFC 15 – H8, H83	TF	18	68	1.5" × 12"	96	98
M-T1812C24	TFC 24 – H8, H83	TF	24	90	1.8" × 12"	96	98
M-T1812AC24	TFC 24 – AC Series	TF	24	90	18." × 12"	96	98
M-T1812C36	TFC 36 – H8, H83	TF	36	136	1.8" × 12"	96	98
M-T1812AC36	TFC 36 – AC Series	TF	36	136	1.8" × 12"	96	98
M-T1812C50	TFC 50 – H8, H83	TF	50	190	1.8" × 12"	96	98
M-T1812AC50	TFC 50 – AC Series	TF	50	190	1.8" × 12"	96	98

Note: Performance specifications based on 500 ppm tap water, 65 psi (0.45 MPa) applied pressure, 77°F (25°C) feed water temperature, feed water pH 7-8 and 15% recovery. Element permeate flow may vary ± 15%.



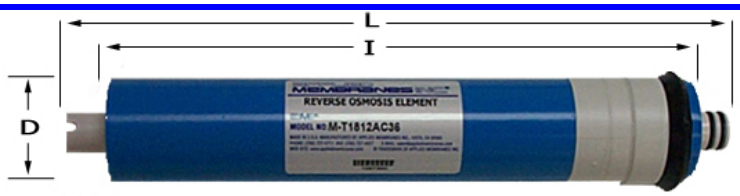
H5, H8, H83 Style

AC- Series/ Aqua Clear Style

RECOMMENDED OPERATING CONDITIONS

• Maximum operating pressure		125 psi (0.86 MPa)
• Maximum feed flow rate		2 gpm
• Maximum operating temperature	Thin Film:	113°F (45°C)
	CTA:	104°F (40°C)
• Maximum feed water turbidity		1 NTU
• Maximum feed water silt density index (15 min)	Thin Film:	5
	CTA:	4
• Chlorine tolerance	Thin Film:	0
	CTA:	0.3-0.5 ppm (1 ppm Maximum)
• Feedwater pH range, Continuous Operation	Thin Film:	2-11
	CTA:	4-6
• Feedwater pH range, Short-Term Cleaning (30 minutes)	Thin Film:	1-12
	CTA:	3-8
• Minimum brine flow to permeate flow ratio		4:1

DIMENSIONS



Model No.	L In.	L CM	I In.	I CM	D In.	D CM
M-T1512C18	12.0	30.5	10.5	26.7	1.5	3.8
All other "H" Style Culligan	12.0	30.5	10.5	26.7	1.8	4.6
All AC Style Culligan	11.75	29.9	10.0	25.4	1.8	4.6

APPLIED 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
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.