

AMI[®] MEMBRANES

RAINSOFT REPLACEMENT ELEMENTS

RAINSOFT[®] REPLACEMENTS – PERFORMANCE SPECIFICATIONS

Model No.	Replaces Rainsoft Product	Type	Permeate Flow Rate		Minimum Salt Rejection (%)	Stabilized Salt Rejection (%)
			Gals/Day	Liters/Day		
M-C1810R10	9564, 9590, 9593	CTA	10	38	94	94
M-T1812R12	9565, 9591, 9594, 9772	TF	15	45	96	98
M-T1810R24	9568, 9596	TF	24	90	96	98
M-T1810R50	18644, 18571, 12447, 21179, 17370, 9757, UF50T	TF	50	190	96	98



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		I		D	
	In.	CM	In.	CM	In.	CM
All Listed Above	9.75	24.5	9.0	22.9	1.8	4.6

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.