

Residential Tap Water TFC Membranes

PERFORMANCE SPECIFICATIONS



M-T1512A12, M-T1512A18, M-T1812A24, M-T1812A36, M-T1812A50, M-T1812A75 & M-T1812A100 are certified to NSF/ANSI 58 for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Turbidity, Fluoride, Lead, Radium 226/228, Selenium, and TDS.

Model No.	Permeate Flow Rate*		Size (Dia. " × Length")	Minimum Salt Rejection (%)*	Stabilized Salt Rejection (%)*
	gpd	lpd			
M-T1512A12	12	45	1.50 × 12	96	98
M-T1512A18	18	68	1.50 × 12	96	98
M-T1812A24	24	91	1.75 × 12	96	98
M-T1812A36	36	136	1.75 × 12	96	98
M-T1812A50	50	190	1.75 × 12	96	98
M-T1812A75	75	284	1.75 × 12	96	98
M-T1812A100	100	379	1.75 × 12	96	98
M-T1812A150	150	568	1.95 × 12	96	98
M-T1812A180	180	681	1.95 × 12	96	98
M-T1812A200	200	757	1.95 × 12	96	98
M-T3012A [†]	300	1,138	3.00 × 12	96	98
M-T3012A-500 [†]	500	1,893	3.00 × 12	96	98

* Salt rejection and performance specifications shown are from internal test data.

Performance specifications based on 500 ppm tap water, applied pressure listed below, 77°F (25°C) feed water temperature, feed water pH 7-8 and 15% recovery. Element permeate flow may vary ± 20%.

Test Pressure for 1.5" - 1.8" Dia. Elements: 65 psi (0.45 MPa); Test pressure for 3" Dia. elements: 70 psi (0.48 MPa)

RECOMMENDED OPERATING CONDITIONS*

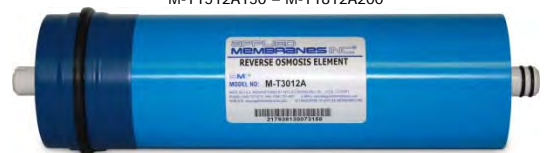
◆ Maximum operating pressure	125 psig (0.86 MPa)
◆ Maximum feed flow rate	2 gpm
◆ Maximum operating temperature	113°F (45°C)
◆ Maximum feed water turbidity	1 NTU
◆ Maximum feed water silt density index (15 min)	5
◆ Chlorine tolerance	<0.1 ppm
◆ Feed water pH range, Continuous Operation	2-11
◆ Feed water pH range, Short-Term Cleaning (30 minutes)	1-12
◆ Minimum brine flow to permeate flow ratio	4:1



M-T1512A12 – M-T1812A100



M-T1512A150 – M-T1812A200



M-T3012A, M-T3012A-500

MEMBRANE ELEMENT DIMENSIONS

Model No.	L		l		D	
	inches	centimeters	inches	centimeters	inches	centimeters
M-T1512A(12-18)	11.75	29.8	10.00	25.4	1.50	3.8
M-T1812A(24-100)	11.75	29.8	10.00	25.4	1.75	4.4
M-T1812A150	11.75	29.8	10.00	25.4	1.95	5.0
M-T3012A, -500	11.75	29.8	10.25	26.0	3.2	8.1

[†] M-T3012A & M-T3012A-500 use 3x12 membrane housing (PV3012C) and do not fit standard residential housings

AMI[®], APPLIED MEMBRANES INC.[®], APPLIED[®] ARE TRADEMARKS OF APPLIED MEMBRANES, INC. © 2017