

Replacements for Pentek (Ametek) Home RO Membranes



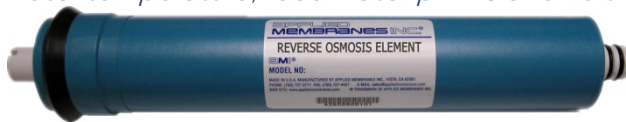
M-T1812A24 is certified to NSF/ANSI 58 for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Cysts, Turbidity, Fluoride, Lead, Radium 226/228, Selenium, and TDS. (M-C1812A15 is not certified.)

Performance Specifications

Model No.	Replaces Pentek Product	Type	Permeate Flow Rate*		Minimum Salt Rejection (%)*	Stabilized Salt Rejection (%)*
			gpd	lpd		
M-C1812A15	155414-01, RO-2127, CF1812T1738	CTA	15	57	94	94
M-T1812A24	155431-19, RO-3167, TFM-24-PL, WRO-31687	TF	24	90	96	98

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

Note: Performance specifications based on 500 ppm tap water, 50 psi (0.35 MPa) applied pressure, 77°F (25°C) feed water temperature, feed water pH 7-8 and 15% recovery. Element permeate flow may vary ± 20%.



M-C1812A15



M-T1812A24

Recommended Operating Conditions

♦ Max. operating pressure	125 psig (0.86 MPa)	♦ Chlorine tolerance	TFC: 0 ppm CTA: 0.3-0.5 ppm
♦ Max. feed flow rate	2 gpm	♦ Feed water pH range, Continuous Operation	TFC: 2-11 CTA: 4-6
♦ Max. operating temperature	TFC: 113°F (45°C) CTA: 104°F (40°C)	♦ Feed water pH range, Short-Term Cleaning (30 minutes)	TFC: 1-12 CTA: 3-8
♦ Max. feed water turbidity	1 NTU		
♦ Max. feed water SDI (15 min)	4		

Membrane Element Dimensions



Model No.	L		I		D	
	inches	centimeters	inches	centimeters	inches	centimeters
M-C1812A15	11.75	29.8	10.0	25.4	1.8	4.6
M-T1812A24	11.75	29.8	10.0	25.4	1.75	4.4

1. Discard the permeate from the first hour of operation.
2. Permeate flow varies with feed water temperature and pressure. Refer to the membrane Temperature & Pressure Correction chart to determine the expected permeate flow at the actual temperature and pressure.
3. 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.
4. 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.
5. Warranty claims for membrane elements must be made as detailed in Membrane Warranty Claims Bulletin.

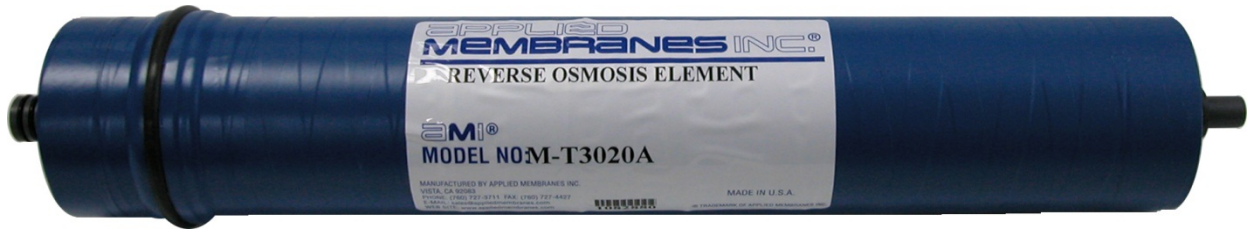
Replacements for Ametek Commercial RO Membranes

Model No.	Replaces Ametek Product	Type	Permeate Flow Rate		Size (Dia." × Length")	Minimum Salt Rejection	Test Pressure
			gpd	lpd			
M-T3020A	AMETEK 20	Thin Film	800	3028	3.3 × 20	98%	225 psi

Note: Element permeate flow may vary ± 20%. Performance specifications based on:

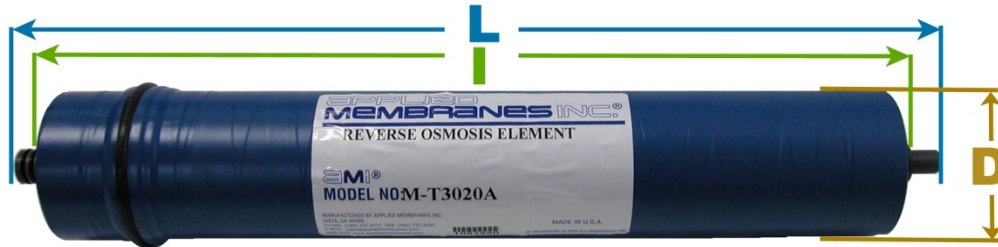
AMETEK 10: 500 ppm feed, 100 psi applied pressure, 77°F (25°C) feed water temperature, 10% recovery.

AMETEK 20: 500 ppm feed, 225 psi applied pressure, 77°F (25°C) feed water temperature, 10% recovery.



Recommended Operating Conditions

Maximum Operating Pressure	300 psig (2.1MPa)	Maximum Pressure Drop:	13psig (0.9 bar)
Maximum Operating Temperature	113°F (45°C)	Maximum Feed Flow Rate	6 GPM
Maximum Feed water Turbidity	1 NTU	Feed water pH Range (Continuous)	2-11
Maximum Feed water SDI (15 min)	4	Feed water pH Range (Cleaning - 30 min.)	1-12
Chlorine Tolerance	0		



Model No.	L		I		D	
	inches	centimeters	inches	centimeters	inches	centimeters
M-T3020A	20.0	50.8	18.0	45.7	3.2	8.1

1. Discard the permeate from the first hour of operation.
2. Permeate flow varies with feed water temperature and pressure. Refer to the membrane Temperature & Pressure Correction chart to determine the expected permeate flow at the actual temperature and pressure.
3. 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.
4. 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.

Warranty claims for membrane elements must be made as detailed in Membrane Warranty Claims Bulletin.