



**AMFOR INC.**

## RESIDENTIAL RO MEMBRANE

**AMFOR®** reverse osmosis membrane elements for home drinking water are the most reliable. Advanced membrane technology and automated fabrication allow these elements to keep consistent performance and suitable for long distance transportation. AMFOR home drinking water elements are rated at 50psi and will purify about 20% more water than competitive elements rated at 60psi (please see the datasheet for more information)

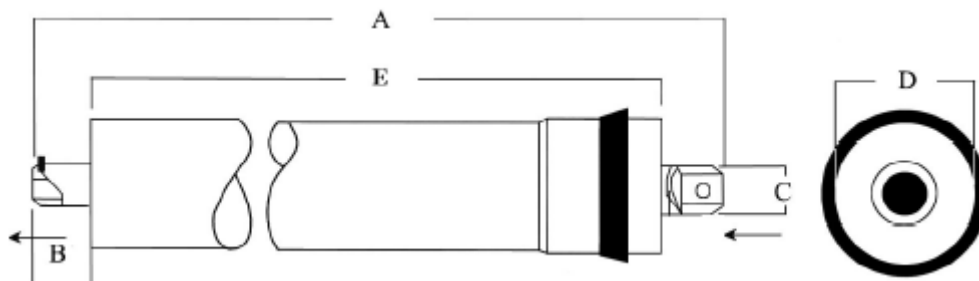
### Product specifications

Product	Product (gpd)	Water (m3/d)	Flow Rate (lph)	Minimum Salt Rejection Cl-(%)	Stabilized Salt Rejection Cl- (%)
TW30-1812-24	24	0.09	3.8	96	98
TW30-1812-36	36	0.14	5.7	96	98
TW30-1812-50	50	0.19	7.9	96	98
TW30-1812-75	75	0.28	12.0	96	98
TW30-2012-100	100	0.38	15.8	96	98
TW30-2812-150	150	0.57	23.7	96	98
TW30-2812-200	200	0.76	31.6	96	98
TW30-3012-300	300	1.14	47.4	96	98
TW30-1810(Disposable element)	50-150	0.19-0.57	7.9-23.7	90-96	90-98

Permeate flow and salt rejection based on the following test conditions: 250ppm softened tapwater, 77°F(25°C), PH=8, and 15% recovery and the specified pressure at 50psi.

Permeate flow rates for individual elements may vary +/-20%.

For more information, please consult with AMFOR .



## Dimensions-Inches(mm)

Product	A	B	C	D	E
TW30-1812-24	11.74(298)	0.87(22)	0.68(17)	1.75(44.5)	10.35(263)
TW30-1812-36	11.74(298)	0.87(22)	0.68(17)	1.75(44.5)	10.35(263)
TW30-1812-50	11.74(298)	0.87(22)	0.68(17)	1.75(44.5)	10.35(263)
TW30-1812-75	11.74(298)	0.87(22)	0.68(17)	1.75(44.5)	10.35(263)
TW30-2012-100	11.74(298)	0.87(22)	0.68(17)	1.75(44.5)	10.35(263)
TW30-2012-150	11.74(298)	0.87(22)	0.68(17)	1.75(44.5)	10.35(263)
TW30-2812-200	11.74(298)	0.87(22)	0.68(17)	3.00(76.2)	10.00(254)
TW30-3012-300	11.57(294)	0.87(22)	0.84(21.3)	3.00(76.2)	10.00(254)
TW30-1810(Disposable element)	10.00(254)	0.87(22)	0.67(17)	1.75(44.5)	8.5(216)

## Operating Limits

Membrane Type .....	Polyamide Thin-Film Composite
Maximum Operating Pressure .....	300psi (21bar)
Maximum Feed Rate .....	2.0gpm (7.6 lpm)
Minimum Concentrate Flow Rate .....	4 × permeate flow
pH Range Continuous Operation <sup>a</sup> .....	2-11
pH Range, Short-Term Cleaning(30min) <sup>b</sup> .....	1-12
Maximum Operating Temperature .....	113 <sup>°</sup> F (45 <sup>°</sup> C)
Maximum Feed water Turbidity .....	1 NTU
Maximum Feed Silt Density Index .....	5
Free Chlorine Tolerance <sup>c</sup> .....	<0.1ppm

<sup>a</sup> Maximum temperature for continuous operation above pH 10 is 95 (35<sup>°</sup>C).

<sup>b</sup> Refer to Cleaning Guidelines of ANDE-AMF.

<sup>c</sup> Under certain conditions, the presence of free chlorine and other oxidizing agents will cause premature membrane failure. Since oxidation damage is not covered under warranty, AMFOR recommends removing residual free chlorine by pretreatment prior to membrane exposure. Please refer to technical bulletin ANDE-AMF for more information.