



GlobalAqua

**Residential & Light Commercial
Reverse Osmosis Membrane Elements**
Consistent Quality by Outstanding Technology





1812 Residential Reverse Osmosis Membrane

GlobalAqua™ household RO membrane elements for drinking water are one of the most reliable and consistent NSF Certified products with high flow rate and excellent salt rejection rate. A wide selection ranges from 24 gpd to 150 gpd, along with advanced membrane technology and precisely-controlled element rolling, we are confident that GlobalAqua™ high performance RO membranes are ideal for your residential or light commercial use.

SPECIFICATIONS

Model	Working Pressure	Permeate Flow	Nominal Rejection	Min. Rejection	Recovery Rate
MTW-1812-24G	60PSI	24GPD	97.5%	96.0%	15.0%
MTW-1812-36G	60PSI	36GPD	97.5%	96.0%	15.0%
MTW-1812-50G	60PSI	50GPD	97.5%	96.0%	15.0%
MTW-1812-75G	60PSI	75GPD	97.5%	96.0%	15.0%
MTW-1812-100G	60PSI	100GPD	96.0%	95.0%	15.0%
MTW-1812-150G	60PSI	150GPD	96.0%	95.0%	15.0%

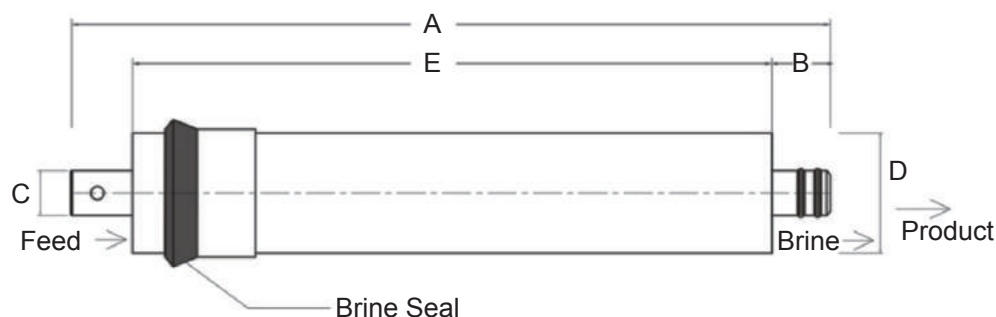
Testing Condition: 25°C / 77°F, 250PPM NaCl, 60PSI, pH 7.2

Operating Limit

Membrane Type Polyamide Thin-Film Composite
 Maximum Operating Temperature 113°F / 45°C
 Maximum Operating Pressure 300psi (21bar)
 pH range, Continuous Operation 2 - 11
 pH range, Short-Term Cleaning (30 min) 1 - 12
 Maximum Feed Silt Density Index (SDI) 5
 Free Chlorine Tolerance < 0.1ppm



Dimension



Model	Dimension - Inches (mm)				
	A	B	C	D	E
MTW-1812	11.75 (298)	0.87 (22)	0.68 (17)	1.75 (44.5)	10.00 (254)

Home Drinking Water elements seal at a standard 2" I.D. within RO housing



2812 & 3012 Commercial Reverse Osmosis Membrane

GlobalAqua™ commercial RO membrane elements for drinking water are one of the most reliable and consistent products with high flow rate and excellent salt rejection rate. A wide selection ranges from 200 gpd to 500 gpd, along with advanced membrane technology and precisely-controlled element rolling, we are confident that GlobalAqua™ high performance RO membranes are ideal for your light commercial use.

SPECIFICATIONS

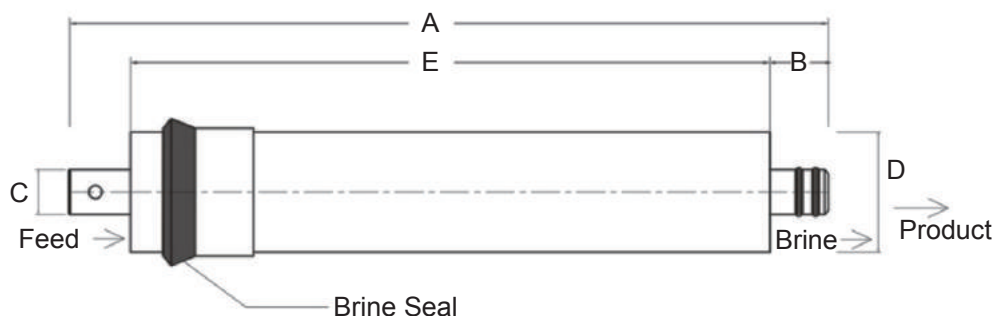
Model	Testing Pressure	Permeate Flow	Min. Rejection	Recovery
MTW-2812-200G	100PSI	200GPD	94.0%	15.0%
MTW-2812-300G	100PSI	300GPD	94.0%	15.0%
MTW-3012-400G	100PSI	400GPD	94.0%	15.0%
MTW-3012-500G	100PSI	500GPD	94.0%	15.0%

Testing Condition: 25°C, 500PPM NaCl, 100PSI, pH 7.2

Operating Limit

Membrane Type Polyamide Thin-Film Composite
 Maximum Operating Temperature 113°F / 45°C
 Maximum Operating Pressure 300psi (21bar)
 pH range, Continuous Operation 2 - 11
 pH range, Short-Term Cleaning (30 min) 1 - 12
 Maximum Feed Silt Density Index (SDI) 5
 Free Chlorine Tolerance < 0.1ppm

Dimension



Model	Dimension - Inches (mm)				
	A	B	C	D	E
MTW-2812-200G	11.75 (298)	0.87 (22)	0.68 (17)	2.60 (66.0)	10.00 (254)
MTW-2812-300G	11.75 (298)	0.87 (22)	0.68 (17)	2.70 (68.5)	10.00 (254)
MTW-3012-400G	11.75 (298)	0.87 (22)	0.68 (17)	2.89 (73.5)	10.00 (254)
MTW-3012-500G	11.75 (298)	0.87 (22)	0.68 (17)	3.05 (77.5)	10.00 (254)

Drinking Water elements seal at a standard 3" I.D. within RO housing



Important Operation Notice

- During the first time of use, permeate water obtained from the first hour of use should be discarded.
- First full tank of permeate water must be discarded.
- This RO membrane ships completely dry to keep the high rejection performance at high input TDS
- Flushing is needed after shutting down the system for long term
- Lines for feed water, concentrate, permeate water need to be set up separately.
- Keep the RO elements moist at all times after initial wetting.
- The presence of free chlorine and other oxidizing agents under certain conditions will cause unexpected oxidation of the membrane. It is strongly recommended to remove these oxidizing agents contained in feed water before operating RO system.
- If the given operating limits and guidelines are not strictly followed, GlobalAqua does not accept the responsibility for the results.
- Due to different condition of use, GlobalAquaTM accept no responsibilities for the result obtained by the application of this information provided in each single page or the safety or suitability of GlobalAqua's products, either along or in combination with other products. Users are advised to test by their own to determine the safety and suitability of the product combination before using the product.
- GlobalAquaTM remains the right of updating and releasing all related specification without further notice.

Please contact for more information