ULTRAMAR WATER

FLEXIBILITY MEETS SUSTAINABILITY

Residential RO Membrane Elements

Introduction:

ULTRAMAR Water reverse osmosis (RO) membrane elements for household drinking water are some of the most reliable and consistent products in the industry. Advanced membrane technology, coupled with well-controlled element rolling, allows ULTRAMAR Water to provide RO Membrane Elements with stable performance. ULTRAMAR Water's first class RO Membrane Element quality helps customers develop and maintain brand recognition, along with a reputation for building systems that reliably provide low impurity drinking water. ULTRAMAR Water elements are uniquely engineered for their high level of salt rejection with minimum compromise in water flux. ULTRAMAR Water RO Membrane Elements have been certified by NSF (National Sanitation Foundation).

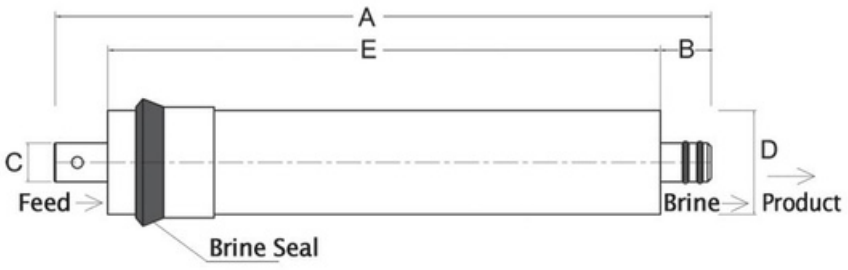
Specifications:

Model	Water Yield (GPD)	Stabilized Salt Rejection
UW-2012- 400	400	95%

* Test Condition: 25℃, 200PPM NaCl solution, 80PSI and 30% recovery rate

.* Permeate flows for single element may vary ±15% .

Dimension:



Model No.	Dimension- Inches (mm)				
	A	B	C	D	E
UW-2012**-**400	11.75 (298)	0.8 7 (22)	0.68 (17)	1.87 (47.5)	10. 00 (254)

*Home Drinking Water elements seal at a standard 2.0 inch I.D. within pressure vessels

1inch=25.4mm

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Operating Limits forDesign:

Membrane Type ..... Polyamide Thin-Film Composite
Maximum Operating Temperature ..... 113F˚/45C˚
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

Important Operation Notes:

- When this product is used for the first time, permeate water obtained from the first hour of use should be discarded.
- Keep elements moist at all times after initial wetting.
- If operating limits and guidelines given in this Product Information Bulletin are not strictly followed, the Limited Warranty will be null and void.
- To prevent biological growth during prolonged system shutdowns, it is recommended that membrane elements be immersed in a preservative solution. Rinse out the preservative before use.
- The OEM is fully responsible for the effects of incompatible chemicals and lubricants on elements. Use of any such chemicals or lubricants will void the Limited Warranty.