

Residential RO Membrane Elements II

Introduction:

Ospura 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 Ospura to produce RO Membrane Elements with stable performance. Ospura'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. Ospura elements are uniquely engineered for their high level of salt rejection with minimum compromise in water flux.

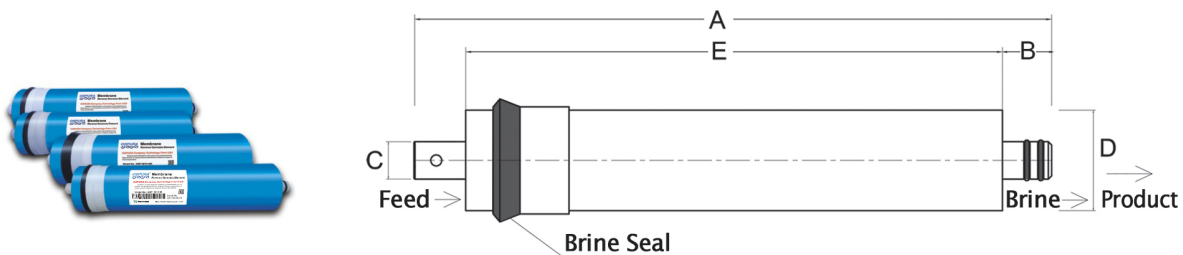
Specifications:

Specification Item	Specification				
	OSP-2812-200	OSP-2812-300	OSP-2813-400	OSP-3012-400	OSP-3012-500
Water Yield (GPD)	200	300	400	400	500
Stabilized Salt Rejection (%)	96	96	96	96	96

* Test Condition: 25°C , 500PPM NaCl solution, 100PSI and 15% recovery rate .

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

Dimension:



Model No.	Dimension- Inches (mm)				
	A	B	C	D	E
OSP-2812-200	11.75 (298)	0.87 (22)	0.68 (17)	2.60 (66)	10.00 (254)
OSP-2812-300	11.75 (298)	0.87 (22)	0.68 (17)	2.70 (68.5)	10.00 (254)
OSP-2813-400	12.99 (330)	0.98 (25)	0.68 (17)	2.70 (68.5)	11.02 (280)
OSP-3012-400	11.75 (298)	0.87 (22)	0.68 (17)	2.89 (73.5)	10.00 (254)
OSP-3012-500	11.75 (298)	0.87 (22)	0.68 (17)	3.05 (77.5)	10.00 (254)

* Home Drinking Water elements seal at a standard 3.0 inch I.D. within pressure vessels

1 inch=25.4 mm

Operating Limits for Design:

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

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.