

Residential RO Membrane Elements II

Introduction:

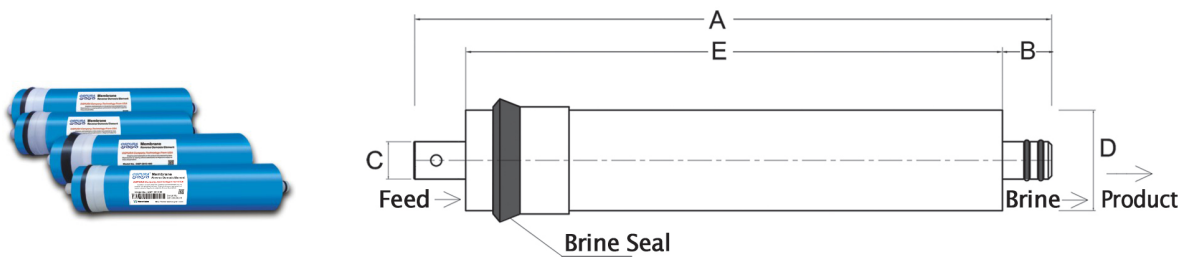
Ospura reverse osmosis (RO) membrane elements for household drinking water are some of the most reliable and consistent products in the industry. Advanced membrane technology, coupled with well-controlled element rolling, allows Ospura to produce RO Membrane Elements with stable performance. Ospura's 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.