





Low pressure grade RO elements for residential use

SPECIFICATIONS

General Features

Permeate Flow Rate GPD (L/Day) 50 GPD (189L/day)

NaCl Rejection % 93% (Minimum 90%)

Membrane Type Thin-Film Composite

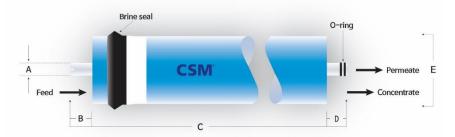
Membrane Material Polyamide (PA)

Element Configuration Spiral-Wound, Tape Wrapping

The stated product performance is based on data taken after 30 minutes of operation at the following test Conditions: 100 mg/L NaCl solution at 20 psig (0.14 MPa) applied pressure; 15% recovery; 77°F (25°C); pH 6.5–7.0; Permeate flow rate for each element may vary +20 / -20%; Minimum salt rejection is 90.0%; All elements are vacuum leak tested using the CSM integrity test; Elements can be supplied as dry or wet-type. Wet-tested elements are soaked in a preservative solution (1.0% food grade SBS) and vacuum sealed in a poly bag. All elements are individually boxed.

Dimensions

| Model Name | Α | В | С | D | E |
|------------|-----------|-----------|------------|-----------|-----------|
| RE2012-LP | 0.67 inch | 0.47 inch | 11.73 inch | 0.91 inch | 1.89 inch |
| | (17 mm) | (12 mm) | (298 mm) | (23mm) | (48 mm) |



Operating Limits

| Max. Operating Pressure | 150 psi (1.03 MPa) |
|-----------------------------|---------------------------------|
| Max. Feed Flow Rate | 2 gpm (0.45 m ³ /hr) |
| Max. Operating Temperature | 113°F (45°C) |
| Operating pH Range | 2.0 – 11.0 |
| Max. Turbidity | 1.0 NTU |
| Max. SDI (15 min) | 3.0 |
| Max. Chlorine Concentration | < 0.1 mg/L |

- Elements contained in the boxes must be kept dry at room temperature (7–32°C; 40–95°F) and should not be stored in direct sunlight.
- For WET-TYPE, the preservative solution (1% sodium metabisulfite solution) is added to prohibit the growth of micro-organisms.
- Permeate from the first hour of operation should be discarded.
- Stabilized salt rejection is generally achieved within 1~48 hours of continuous use.
- Keep elements moist at all times after initial wetting.

- Avoid excessive pressure and flow spikes.
- Only use chemicals compatible with the membrane elements and components. Use of such chemicals may void the element limited warranty.
- Permeate pressure must always be equal or less than the feed/concentrate pressure. Damage caused by permeate back pressure voids the element limited warranty.

Certified to NSF/ANSI 58

