

# RE2012-LP

Low pressure grade RO elements for residential use

**LENNTECH**  
WATER TREATMENT SOLUTIONS

**CSM**<sup>®</sup>

## 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	A	B	C	D	E
RE2012-LP	0.67 inch (17 mm)	0.47 inch (12 mm)	11.73 inch (298 mm)	0.91 inch (23mm)	1.89 inch (48 mm)



### Operating Limits

Max. Operating Pressure	150 psi (1.03 MPa)
Max. Feed Flow Rate	2 gpm (0.45 m <sup>3</sup> /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

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