# RE1812-HR+ High rejection RO element for residential use



# **SPECIFICATIONS •**

## **General Features**

Permeate Flow Rate GPD (L/Day) 80 GPD (303L/day)

NaCl Rejection % 99% (Minimum 97.5%)

Membrane Type Thin-Film Composite

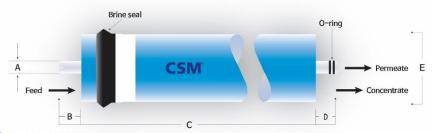
Membrane Material Polyamide (PA)

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: 200 mg/L NaCl solution at 60 psig (0.41 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 97.5%; 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
RE1812-HR+	0.67 inch	0.87 inch	11.73 inch	0.87 inch	1.77 inch
	(17 mm)	(22 mm)	(298 mm)	(22mm)	(45 mm)



## **APPLICATION DATA**

## **Operating Limits**

Max. Operating Pressure150 psi (1.03 MPa)Max. Feed Flow Rate2 gpm (0.45 m³/hr)Max. Operating Temperature113°F (45°C)Operating pH Range2.0 – 11.0Max. Turbidity1.0 NTUMax. SDI (15 min)3.0Max. Chlorine Concentration< 0.1 mg/L</th>

## GENERAL HANDLING PROCEDURES •

- 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.
- To ensure compliance with NSF/ANSI 58 standards, it is advised to rinse systems containing these elements for 24 hours prior to their initial use.

