# RE2812-HR+ (300) High rejection RO element for residential use



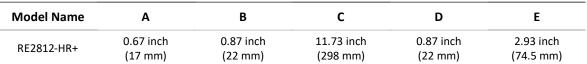
### SPECIFICATIONS •\_\_\_\_\_

**General Features** 

Permeate Flow Rate GPD (L/Day)	300 GPD (1,136L/day)
NaCl Rejection %	99% (Minimum 97%)
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 97.0%; 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





### **APPLICATION DATA** •

#### **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

# **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.

#### Toray Advanced Materials Korea Inc.

For more information on our products, company and regional contacts, please visit our website at <u>www.csmfilter.com</u>. Product Specification Sheet / Model RE2812-HR+



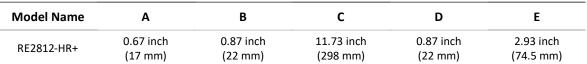
### SPECIFICATIONS •

**General Features** 

Permeate Flow Rate GPD (L/Day)	400 GPD (1,514L/day)
NaCl Rejection %	96% (Minimum 95%)
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 80 psig (0.55 MPa) applied pressure; 60% recovery;  $77^{\circ}F$  ( $25^{\circ}C$ ); pH 6.5–7.0; Permeate flow rate for each element may vary +20 / -20%; Minimum salt rejection is 97.0%; 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.

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