

## SPECIFICATIONS

### General Features

<b>Permeate Flow Rate GPD (L/Day)</b>	450 GPD (1,703L/day)
<b>NaCl Rejection %</b>	96% (Minimum 94%)
<b>Membrane Type</b>	Thin-Film Composite
<b>Membrane Material</b>	Polyamide (PA)
<b>Element Configuration</b>	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 94.0%; 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
RE2812-450	0.67 inch (17 mm)	0.87 inch (22 mm)	11.73 inch (298 mm)	0.87 inch (22mm)	2.93 inch (74.5 mm)



## APPLICATION DATA

### Operating Limits

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

### Toray Advanced Materials Korea Inc.

For more information on our products, company and regional contacts, please visit our website at [www.csmfilter.com](http://www.csmfilter.com).  
Product Specification Sheet / Model RE2812-450