

SPECIFICATIONS

Features

Model	Permeate Flow Rate <i>GPD (L/Day)</i>	NaCl Rejection %
RE1812-24	24 (91)	98.0
RE1812-35	35 (132)	98.0
RE1812-50	50 (189)	98.0
RE1812-60	60 (227)	98.0
RE1812-80	80 (303)	98.0
RE2012-100	100 (397)	98.0
RE2812-300	300 (1,136)	98.0

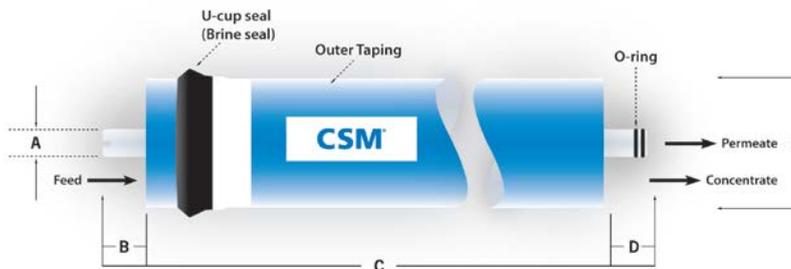
- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
 - 200 mg/L NaCl solution at 60 psig (0.41 MPa) applied pressure
 - 15% recovery
 - 77 °F (25 °C)
 - pH 6.5–7.0
- Minimum NaCl rejection is 96.0%.
- Integrity test method ASTM International Designation D3923-94 is used to detect leaks.
- Permeate flow rate may vary not exceeding plus/minus 15% than the value shown.
- Wet-type elements are packaged in a poly bag with sodium bisulfate (4 g/L) & HCl (0.51 g/L) for membrane preservation purposes.

Membrane type: Thin-Film Composite
Membrane material: Polyamide (PA)
Element configuration: Spiral-Wound, Tape-Wrapped

Dimensions (measurements are in inches)

Model	A	B	C	D	E
RE1812-24	0.67 (17)	0.87 (22)	11.73 (298)	0.87 (22)	1.77 (45)
RE1812-35	0.67 (17)	0.87 (22)	11.73 (298)	0.87 (22)	1.77 (45)
RE1812-50	0.67 (17)	0.87 (22)	11.73 (298)	0.87 (22)	1.77 (45)
RE1812-60	0.67 (17)	0.87 (22)	11.73 (298)	0.87 (22)	1.77 (45)
RE1812-80	0.67 (17)	0.87 (22)	11.73 (298)	0.87 (22)	1.77 (45)
RE2012-100	0.67 (17)	0.50 (12)	11.73 (298)	0.91 (23)	1.9 (48)
RE2812-300	0.67 (17)	0.87 (22)	11.73 (298)	0.91 (23)	2.9 (74)

*Measurements: inches (millimeters)



TCK MEMBRANE AMERICA INC.

APPLICATION DATA:

Operating Limits

· Max. Operating Pressure	125 psi (0.86 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)	5.0
· Max. Chlorine Concentration	< 0.1 mg/L

The information provided in this document is solely for informative purposes. It is the user's responsibility to ensure the appropriate usage of this product. TCK Membrane America assumes no obligation, liability or damages incurred for the misuse of the product or for the information provided in this document. This document does not express or implies any warranty as to the merchantability or fitness of the products.

GENERAL HANDLING PROCEDURES

- Elements contained must be kept dry at room temperature (7–32°C; 40–95°F) and should not be stored in direct sunlight. For wet-type elements, if the poly bag is damaged and there is a vacuum leak, a new preservative solution (sodium bisulfite) must be added and vacuum sealed to prevent drying and biological growth.
- For wet-type membranes, permeate from the first hour of operation should be discarded to flush out the preservative solution.
- Elements should be immersed in a preservative solution during storage, shipping and system shutdowns to prevent biological growth and freezing. The standard storage solution contains 1% by weight sodium bisulfite or sodium metabisulfite (food grade). For short term storage (i.e. one week or less) 1% by weight sodium metabisulfite solution is adequate for preventing biological growth.
- Keep elements moist at all times after initial wetting.
- 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.