

## SPECIFICATIONS:

### General Features

Model Name	Permeate Flow Rate GPD (L/day)	Salt Rejection %
RE1810-30	30 (114)	96.0%
RE1810-50	50 (189)	96.0%
RE1812-35	35 (132)	96.0%
RE1812-50	50 (189)	96.0%
RE1812-60	60 (227)	96.0%
RE1812-80	80 (303)	96.0%

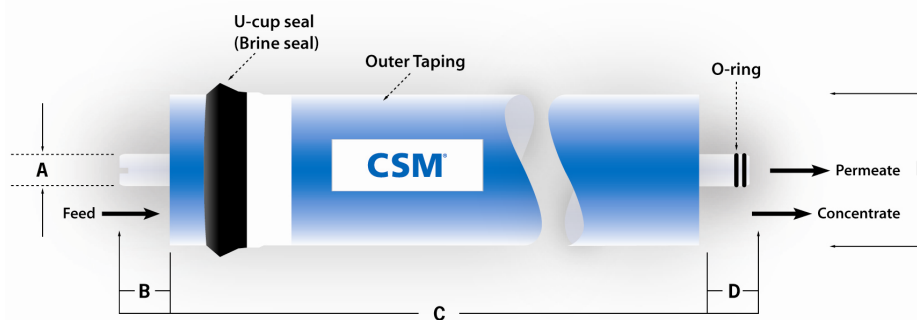
- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
  - 250 mg/L NaCl solution at 60 psig (0.41 MPa) applied pressure
  - 15% recovery
  - 77 °F (25 °C)
  - pH 6.5–7.0
- Dry type elements are vacuum leak tested using the San Diego Protocol.
- Permeate flow rate for each element may vary but will be no more than 15% below the value shown.
- All elements are packaged in a polyethylene bag containing 1.0% SBS (sodium bisulfite) solution.

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

### Dimensions

Model Name	A	B	C	D	E
RE1810-30	0.67	0.55	10.08	1.77	0.98
RE1810-50	0.67	0.55	10.08	1.77	0.98
RE1812-35	0.67	0.87	11.73	1.77	0.98
RE1812-50	0.67	0.87	11.73	1.77	0.98
RE1812-60	0.67	0.87	11.73	1.77	0.98
RE1812-80	0.67	0.87	11.73	1.77	0.98

\*All measurement are in inches



These model names are tested and certified under NSF/ANSI standard 58, material requirement only (excluding RE1810-30)

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Product Specification Sheet / Model RE 1810-30, RE 1810-50, RE 1812-35, RE 1812-50, RE 1812-60, RE 1812-80

## APPLICATION DATA:

### Operating Limits

· Max. Operating Pressure	125 psi (0.86 MPa)
· Max. Feed Flow Rate	2 gpm (0.45 m <sup>3</sup> /hr)
· Max. Operating Temperature	113 °F (45 °C)
· Operating pH Range	3.0–10.0
· Max. Turbidity	1.0 NTU
· Max. SDI (15 min)	5.0
· Max. Chlorine Concentration	< 0.1 mg/L

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## 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. If the polyethylene bag is damaged, a new preservative solution (sodium bisulfite) must be added and air-tight sealed to prevent drying and biological growth.
- 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.

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