

## SPECIFICATIONS:

### General Features

Model Name	Permeate Flow Rate GPD (L/day)	Salt Rejection (%)
<b>RE1810-30</b>	30 (114)	98.0
<b>RE1810-50</b>	50 (189)	98.0
<b>RE1810-80</b>	80 (303)	98.0
<b>RE1812-50</b>	50 (189)	98.0
<b>RE1812-60</b>	60 (227)	98.0
<b>RE1812-80</b>	80 (303)	98.0

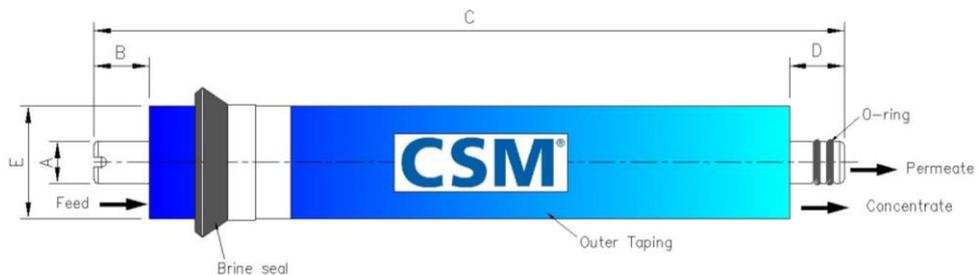
- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
  - 200 mg/L NaCl solution at 60 psig (0.41 MPa) applied pressure
  - 15% recovery
  - 77 °F (25 °C)
  - pH 6.5–7.0
- Minimum salt rejection is 96.0%.
- Permeate flow rate for each element may vary but will be no more than 15%.
- Wet 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
<b>RE1810-30</b>	0.67 (17)	0.6 (14)	10.1 (256)	1.0 (25)	1.8 (45)
<b>RE1810-50</b>					
<b>RE1810-80</b>					
<b>RE1812-50</b>	0.67 (17)	0.9 (22)	11.7 (298)	0.9 (22)	1.8 (45)
<b>RE1812-60</b>					
<b>RE1812-80</b>					

\*All measurements are in inches (millimeters).



These model names are tested and certified under NSF/ANSI standard 58, material requirement only (excluding RE1810-30, RE1810-80)

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 Product Specification Sheet / Model RE 1810-30, RE 1810-50, RE 1810-80, RE 1812-50, RE 1812-60, RE 1812-80  
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## 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	2.0–11.0
	· 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.
- When running the system for the first time, the permeate should be discarded continuously at least 1 hour.
- Keep elements moistly at all times after initial wetting.
- 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 from biological growth.
- 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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