

SPECIFICATIONS:

| General Features | Model Name | Permeate Flow Rate GPD (L/day) | Salt Rejection (%) | Pressure / Recovery |
|------------------|-------------------|--------------------------------|-------------------------|---------------------|
| | RE2012-400 | 400 (1514) | 96.0 (min. 93.0) | 80psig / 30% |

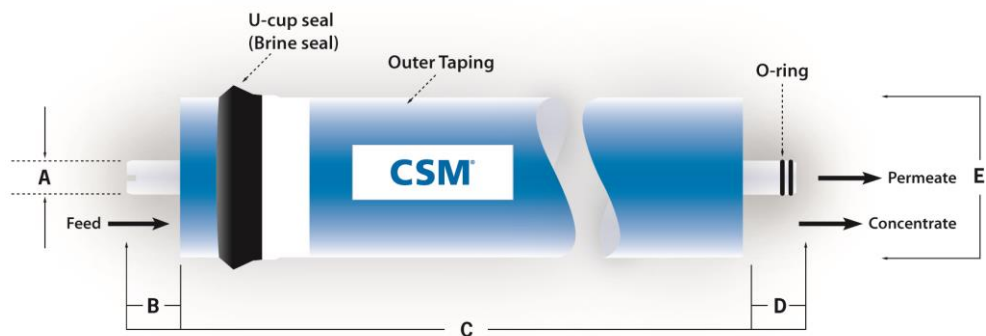
The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:

- 200 mg/L NaCl solution, 77 °F (25 °C), pH 6.5–7.0

1. All elements are vacuum leak tested using the CSM integrity test.
2. Permeate flow rate for each element may vary +15/ -15%.
3. 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 |
|------------|-------------------|------------------|-------------------|---------------------|-------------------|-------------------|
| | RE2012-400 | 0.67 inch (17mm) | 0.47 inch (12 mm) | 11.73 inch (298 mm) | 0.91 inch (23 mm) | 1.89 inch (48 mm) |



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APPLICATION DATA:

| | | |
|-------------------------|-------------------------------|---------------------------------|
| Operating Limits | · Max. Operating Pressure | 150 psi (1.03 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) | 3.0 |
| | · 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.
- 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.
- Keep elements moistly 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. For additional information on use of approved chemicals please contact your nearest CSM representative.
- 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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