

# RESIDENTIAL

Low pressure grade RO elements for residential use



**AGUA CONTROL LLC**  
 5609 E ADAMO DRIVE STE.D  
 TAMPA FL, 33619  
 (813) 621-7774  
 (813) 621-7776

## SPECIFICATIONS :

General Features

Model Name	Permeate Flow Rate , GPD (L/day)	Salt Rejection , %
RE 2011-LP	50 (189)	93.0

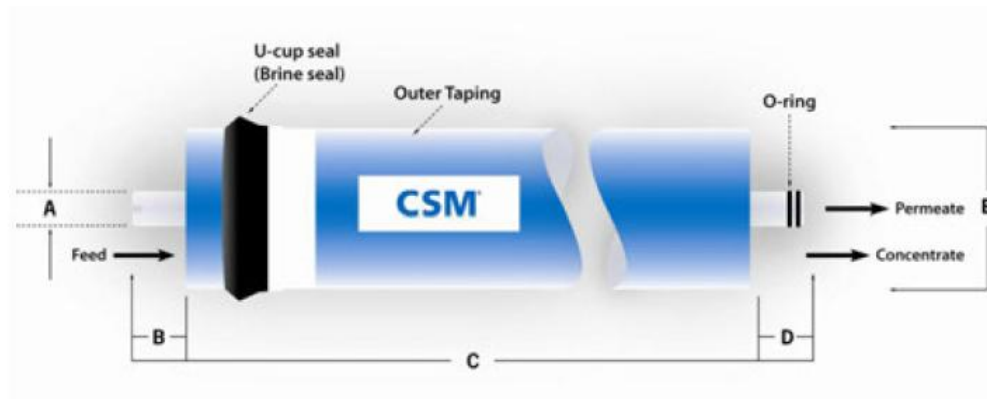
- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
  - 100 mg/L NaCl solution at 20 psig ( 0.14 MPa) applied pressure
  - 15% recovery
  - 77 °F (25 °C)
  - pH 6.5 –7.0
- Minimum salt rejection is 90.0%.
- Dry type elements are vacuum leak tested using the San Diego Protocol.
- Permeate flow rate for each element may vary but will be no more than 5%.
- Dry elements are packaged in a polyethylene bag
  - Wet elements are packaged in a polyethylene bag containing SB(4g/L) + HCl(0.51g/L) solution.

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

## Dimensions

Model Name	A	B	C	D	E
RE 2011-LP	0.67	0.87	9.98	0.87	1.85

\*All measurement are in inches



These model names are tested and certified under NSF/ANSI standard 58, material requirement only

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# CSM<sup>®</sup>

## 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 airtight 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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