

# RESIDENTIAL

Low pressure grade RO elements for residential use



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

General Features

Model Name	Permeate Flow Rate GPD (L/day)	Salt Rejection %
RE 2010-LP	30 (114)	93.0%
RE 2012-LP	50 (189)	93.0%
RE2012 -LP F	60 (227)	93.0%

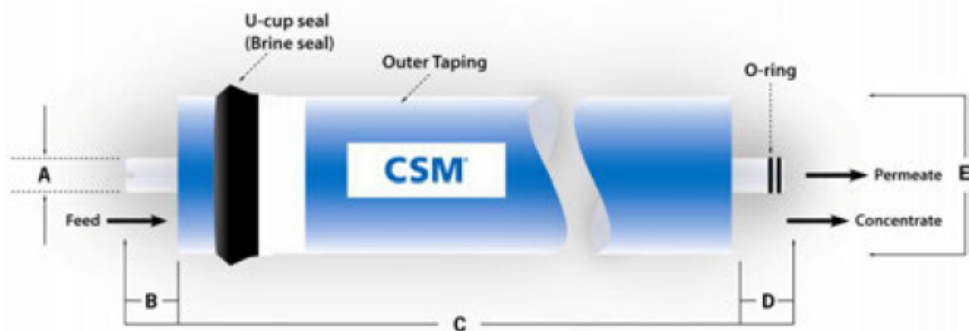
- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
  - 100 mg/L NaCl solution at 20 psig ( 0.14 MPa) applied pressure
  - 15% recovery
  - 77 °F (25 °C)
  - pH 6.5 –7.0
- Minimum salt rejection is 90.0%.
- Dry type elements are vacuum leak tested using the San Diego Protocol.
- Permeate flow rate for each element may vary but will be no more than 15%.
- Dry elements are packaged in a polyethylene bag
  - Wet elements are packaged in a polyethylene bag containing 500 mg/L + HCl(0.51 g/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 2010-LP	0.67	0.55	10.08	0.98	1.91
RE 2012-LP	0.67	0.47	11.73	0.91	1.91
RE2012 -LPF	0.67	0.47	11.73	0.91	1.91

\*All measurement are in inches



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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 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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