

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% |

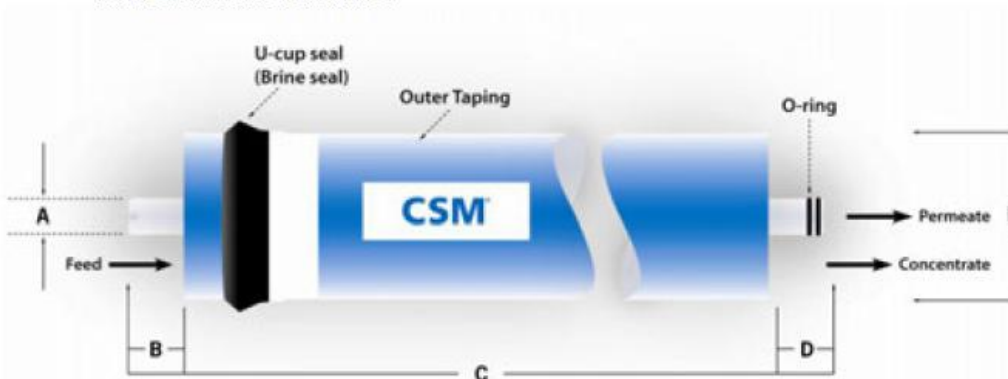
- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
 - 100 mg/L NaCl solution at 20 psig (0.14 MPa) applied pressure
 - 15% recovery
 - 77 °F (25 °C)
 - pH 6.5 –7.0
- Minimum salt rejection is 90.0%.
- Dry type elements are vacuum leak tested using the San Diego Protocol.
- Permeate flow rate for each element may vary but will be no more than 5%.
- Dry elements are packaged in a polyethylene bag
 - Wet elements are packaged in a polyethylene bag containing (90g/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 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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CSM®

APPLICATION DATA :

| | | |
|------------------|-------------------------------|-------------------------------|
| Operating Limits | · Max. Operating Pressure | 125 psi (0.86 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) | 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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