

RESIDENTIAL

RO elements for residential use (2.0 and 2.8 inch diameter s)



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 2012 -100	100 (397)	98.0%
RE2812 -300	300 (1,136)	98.0%

1. 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

2. Minimum salt rejection is 96.0%.

3. Dry type elements are vacuum leak tested using the San Diego Protocol.

4. Permeate flow rate for each element may vary but will be no more than 5%.

5. Dry elements are packaged in a polyethylene bag

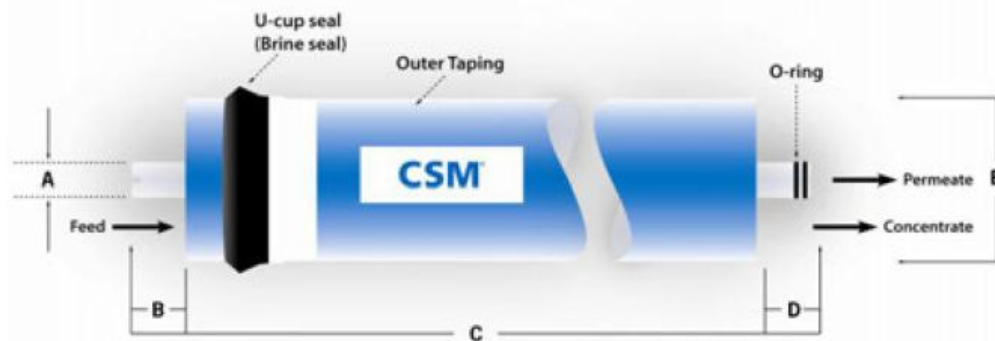
α Wet elements are packaged in a polyethylene bag containing SB(4g/L) + HCl(0.51g/L) solution.

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

Dimensions

Model Name	A	B	C	D	E
RE 2012 -100	0.67	0.47	11.73	0.91	1.91
RE 2812 -300	0.67	0.87	11.73	0.87	2.87

*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 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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