

# RESIDENTIAL

RO elements for residential use (1.8 inch diameter)



**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 %
RE1810 -30	30 (114)	98.0%
RE1810 -50	50 (189)	98.0%
RE1812 -35	35 (132)	98.0%
RE1812 -50	50 (189)	98.0%
RE1812 -60	60 (227)	98.0%
RE1812 -80	80 (303)	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

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

Membrane type: Thin-Film Composite

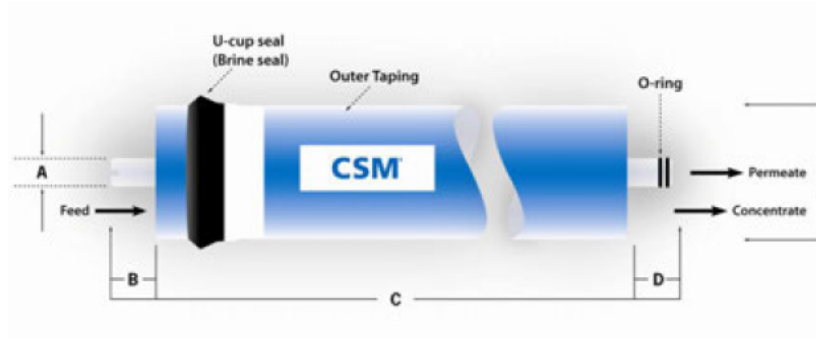
Membrane material: Polyamide(PA)

Element configuration: Spiral-Wound, Tape Wrapping

## Dimensions

Model Name	A	B	C	D	E
RE1810 -30	0.67	0.55	10.08	0.98	1.77
RE1810 -50	(17mm)	(14mm)	(256mm)	(25mm)	(45mm)
RE1812 -35	0.67	0.87	11.73	0.98	1.77
RE1812 -50	(17mm)	(22mm)	(298mm)	(25mm)	(45mm)
RE1812 -60					
RE1812 -80					

\*All measurement are in inches



These model names are tested and certified under NSF/ANSI standard 58, material requirement only (excluding RE181030)

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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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