

SPECIFICATIONS :

General Features

| Model Name | Permeate Flow Rate GPD (L/day) | MolecularWeight Cut Off |
|------------|--------------------------------|-------------------------|
| U E 1810 | 200 (757) | 100K |
| U E 1812 | 250 (946) | 100K |
| UE2010 | 450 (1,703) | 100K |

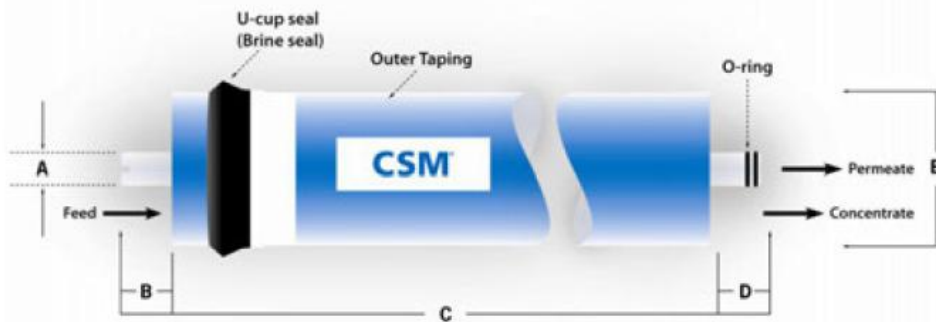
- The stated product performance is based on data taken after 30 minutes of operation at the following test conditions:
 - Pure water r (2 M Ω) at 20 psig applied pressure
 - 100% recovery
 - 77 °F (25 °C)
- Dry type elements are vacuum leak tested using the San Diego Protocol.
- Permeate flow rate for 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: Polysulfone(PSF)
 Element configuration: Spiral-Wound, Tape Wrapping

Dimensions

| Model Name | A | B | C | D | E |
|------------|------|------|-------|------|------|
| U E 1810 | 0.67 | 0.55 | 10.08 | 0.98 | 1.77 |
| U E 1812 | 0.67 | 0.55 | 11.02 | 0.79 | 1.77 |
| UE2010 | 0.67 | 0.55 | 10.08 | 0.98 | 1.91 |

*All measurement are in inches



These model names are tested and certified under NSF/ANSI standard 58, material requirement only (excluding UE1812)

RESIDENTIAL

UF elements for residential use

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 |

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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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