

## SPECIFICATIONS

### General Features

|                                       |                             |
|---------------------------------------|-----------------------------|
| <b>Permeate Flow Rate GPD (L/Day)</b> | 200 GPD (757L/day)          |
| <b>Molecular Weight Cut Off(MWCO)</b> | 100K                        |
| <b>Membrane Type</b>                  | Thin-Film Composite         |
| <b>Membrane Material</b>              | Polysulfone (PSF)           |
| <b>Element Configuration</b>          | Spiral-Wound, Tape Wrapping |

The stated product performance is based on data taken after 30 minutes of operation at the following test Conditions: Pure water (2 MΩ) at 20 psig applied pressure; 100% recovery; 77°F (25°C); Permeate flow rate for each element may vary +15 / -15%; Elements are only supplied as Wet-type. Wet-tested elements are soaked in a preservative solution (1.0% food grade SBS) and vacuum sealed in a poly bag. All elements are individually boxed.

### Dimensions

| Model Name | A                    | B                    | C                      | D                   | E                    |
|------------|----------------------|----------------------|------------------------|---------------------|----------------------|
| UE1810     | 0.67 inch<br>(17 mm) | 0.55 inch<br>(14 mm) | 10.08 inch<br>(256 mm) | 0.98 inch<br>(25mm) | 1.77 inch<br>(45 mm) |



### Operating Limits

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Max. Operating Pressure</b>    | 125 psi (0.86 MPa) |
| <b>Max. Feed Flow Rate</b>        | 2 gpm (0.45 m³/hr) |
| <b>Max. Operating Temperature</b> | 113°F (45°C)       |
| <b>Operating pH Range</b>         | 3.0 – 10.0         |
| <b>Max. Turbidity</b>             | 1.0 NTU            |
| <b>Max. SDI (15 min)</b>          | 5.0                |

- 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.
- For WET-TYPE, the preservative solution (1% sodium metabisulfite solution) is added to prohibit the growth of micro-organisms.
- Permeate from the first hour of operation should be discarded.
- Keep elements moist at all times after initial wetting.
- Avoid excessive pressure and flow spikes.
- 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.

Certified to  
NSF/ANSI 58