

## SPECIFICATIONS

### General Features

<b>Permeate Flow Rate GPD (L/Day)</b>	450 GPD (1,703L/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
UE2010	0.67 inch (17 mm)	0.55 inch (14 mm)	10.08 inch (256 mm)	0.98 inch (25mm)	1.89 inch (48 mm)



## APPLICATION DATA

### 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

## 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.
- 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



**Toray Advanced Materials Korea Inc.**

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Product Specification Sheet / Model UE1810

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