

## Specification Sheet

# ***SB410HF***

Ultra-Low Pressure Type of Polyamide Reverse Osmosis Membrane Element

### ■ Application

- Groundwater, tap water treatment etc.
- Liquid concentration, sewage wastewater and reclaimed water recycle etc.
- Dairy and beverage production, water vending machine, water purify equipment in medical lab, drinking equipment in office or residential site etc.
- Feed TDS below 2,000 mg/L

### ■ Specification

<b>Membrane Surface Area(Nominal)</b>	<b>9.3 m<sup>2</sup> (100 ft<sup>2</sup>)</b>	
<b>Feed spacer thickness</b>	<b>28 mil</b>	
<b>Permeate flow</b>	<b>10.2 m<sup>3</sup>/d (2,700 GPD)</b>	<b>*1, *2</b>
<b>Nominal Salt Rejection</b>	<b>99.5%</b>	<b>*1</b>
<b>Minimum Salt Rejection</b>	<b>99.4%</b>	<b>*1</b>

(\*1) Test condition : Feed Pressure 1.03 MPa (150 psi), Temperature 25 deg. C,

Feed water concentration 1,500 mg/L as NaCl, Recovery ratio 15%, Feed water pH 7.5 - 8.0

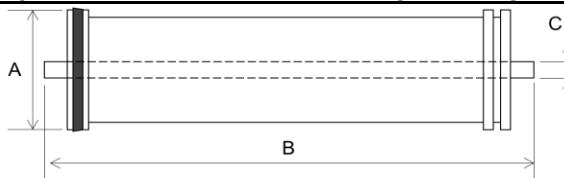
(\*2) Individual permeate flow rate may vary +/- 15%

### ■ Operating limits

<b>Maximum Pressure</b>	<b>4.14 MPa (600 psi)</b>
<b>Maximum Temperature</b>	<b>45 °C</b>
<b>Maximum Feed water SDI<sub>15</sub></b>	<b>5</b>
<b>Maximum Feed water flow</b>	<b>3.6 m<sup>3</sup>/hr</b>
<b>pH range during operation</b>	<b>3 - 10</b>
<b>Free chlorine of feed water</b>	<b>Not detectable</b>
<b>Maximum element pressure drop</b>	<b>0.1 MPa (15 psi)</b>

### ■ Element Dimension

<b>A</b>	<b>Outer diameter</b>	<b>99.7 mm (3.9 inch)</b>
<b>B</b>	<b>Length</b>	<b>1,016 mm (40 inch)</b>
<b>C</b>	<b>Diameter of permeate tube</b>	<b>19 mm ( 0.75 inch)</b>



All the information is understood to be subject to change without prior announcement. For more detail, refer to the manual and/or contact us.

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