

Specification Sheet

SB810HF

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

Membrane Surface Area(Nominal)	40.9 m² (440 ft²)	
Feed spacer thickness	28 mil	
Permeate flow	47.3 m³/d (12,500 GPD)	*1, *2
Nominal Salt Rejection	99.5%	*1
Minimum Salt Rejection	99.4%	*1

(*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

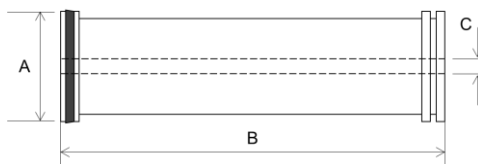
(*2) Individual permeate flow rate may vary +/- 15%

■ Operating limits

Maximum Pressure	4.14 MPa (600 psi)
Maximum Temperature	45 °C
Maximum Feed water SDI₁₅	5
Maximum Feed water flow	17 m³/hr
pH range during operation	3 - 10
Free chlorine of feed water	Not detectable
Maximum element pressure drop	0.1 MPa (15 psi)

■ Element Dimension

A	Outer diameter	200 mm (7.9 inch)
B	Length	1,016 mm (40 inch)
C	Diameter of permeate tube	28.6 mm (1.125 inch)



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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