

IonClear SW-8040-400HRLE Element

Product Description

IC SW-HRLE series are aimed at the problem of high energy consumption of conventional seawater desalination membranes. The membrane performance has been upgraded again to achieve high rejection rate while reducing operating energy consumption and saving costs for users.

Product Highlights

- \cdot Help the system to operate at lower energy consumption,or obtain higher flux under the same pressure
- \cdot High rejection rate, high flux and high boron removal
- · Non-oxidation post-treatment process ensure the service life and chemical stability of membranes
- Adopt short membrane sheet length design to increase the utilization rate of the effective area, make the flux distribution on the membrane surface more uniform, and reduce the fouling rate of membranes

Product Dimensions

A inch (mm)	40(1,016)	
B inch (mm)	1	
C inch (mm)	1.125(29)	
D inch (mm)	7.9(201)	

Product Specifications

Model	Effective Membrane	Stablized Rejection	Rejection Minimum	Stablized Boron	Flux,gpd
	ft² (m²)	Rate(%)	Rate(%)	Rate(%)	(m³/d)
IC SW-8040-400HRLE	400(37.2)	99.80	99.65	92.0	7400(28)

Operating and Cleaning Limits

83 bar (1200 psi)	· pH Range Short-Term Cleaning	1-13
45°C (113°F)	· Maximum Feed SDI(SDI ₁₅)	5.0
1.0 bar (15psi)	· Free Chlorine Tolerance	< 0.1 ppm
2-11		
	83 bar (1200 psi) 45°C (113°F) 1.0 bar (15psi) 2-11	83 bar (1200 psi)· pH Range Short-Term Cleaning45°C (113°F)· Maximum Feed SDI(SDI15)1.0 bar (15psi)· Free Chlorine Tolerance2-11· PH Range Short-Term Cleaning

Notes

- $\cdot\,$ Permeate flow for individual elements may vary ±15 percent from the value specifed.
- · Active membrane area guaranteed ±4%.
- Stabilized salt rejection is generally achieved within 24-48 hours of continuous use; depending uponfeedwater characteristics and operating conditions.