KeenSen 沁森高科

New-Generation High-Efficiency Durable Sea Water Membranes

Description

KeenSen New-Generation High-Efficiency Durable Sea Water Membrane elements are suitable for the concentration of high-salinity solutions or high-concentration materials, small-scale seawater desalination equipment, and medium-to-large-scale seawater desalination projects. They help customers solve the needs of desalination of seawater with a salt content of more than 10,000 mg/L, concentration and reduction of concentrated brine, and material concentration.



Features

★ High permeate flow
★ High desalination efficiency and concentration rate
★ Exceptional stability and reliability

1.Specifications

Model	Active Area $ft^2(m^2)$	Feed Spacer Thickness(mil)	Permeate Flow Rate GPD(m^3/d)	Stabilized Salt Rejection(%)	Minimum Salt Rejection(%)	Stabilized Boron Rejection(%)
SW-8040HF	400(37.2)	28	9000(34.1)	99.80	99.70	92
SW-4040HF	85(7.9)	28	2200(8.3)	99.80	99.70	92
SW-2540HF	27(2.5)	28	600(2.3)	99.80	99.70	92

2.Standard Test Conditions

Solution	Temperature (°C)	pH	Operating Pressure psi(MPa)	Recovery (%)
32000mg/L NaCl	25	7.5-8.0	800(5.5)	8

Individual flow rate may vary±15%

3. Element Dimensions and Operating Limits

Model	Length		Diameter		Permeate Tube Inner Diameter	
	inch	mm	inch	mm	inch	mm
8040	40	1016	7.9	201	1.12	28.5
4040	40	1016	3.9	99	0.75	19.0
2540	40	1016	2.4	61	0.75	19.0

Maximum Operating Pressure	1200psi(8.3MPa)
Operating Temperature Range	0-45°C
Maximum Feed Flow Rate	17.0m^3/h(8040), 3.6m^3/h(4040),1.4m^3/h(2540)
Maximum Feed SDI_{15}	5.0
Free Chlorine Tolerance	0.1mg/L
pH Range, Continuous Operation	3-10
pH Range, Short-Term Cleaning	1-13
Maximum Element Pressure Drop	15psi(0.1MPa)

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