KeenSen® 沁森高科

Brackish Water RO Membrane Elements

Applications

- Brackish water, groundwater, surface water, tap water treatment etc.
- Production water supply system for electronics, power, steel, pharmacy, thermoelectric, petrochemical, coal chemical industry etc.
- Feed TDS below 5000mg/L.

Economical

High Rejection

Benefits

★ High Rejection and Strong Stability

★ High Economical and Wide applicability

1. 8040 Elements



1.1 Specifications

Model	Active Area $ft^2(m^2)$	Feed Spacer Thickness(mil)	Permeate Flow Rate GPD(m^3/d)	Stabilized Salt Rejection(%)
BW-8040-2	400(37.2)	28	10500(39.7)	99.70
BW-8040	400(37.2)	28	10500(39.7)	99.60
BW-8040HF	440(40.9)	28	13000(49.2)	99.50
BW-8040-E	400(37.2)	28	10500(39.7)	99.50

1.2 Standard Test Conditions

Solution	Operating Pressure psi(MPa)	Temperature (°C)	pH	Recovery (%)
2000mg/L NaCl	225(1.55)	25	7.5-8.0	15

Individual flow rate may vary±15%

2. 4040 Element



2.1 Specifications

Model	Active Area $ft^2(m^2)$	Feed Spacer Thickness(mil)	Permeate Flow Rate GPD(m^3/d)	Stabilized Salt Rejection(%)
BW-4040	85(7.9)	28	2500(9.5)	99.60
BW-4040HF	100(9.3)	28	2900(11.0)	99.50
BW-4040-E	85(7.9)	28	2400(9.1)	99.50

2.2 Standard Test Conditions

Solution	Operating Pressure psi(MPa)	Temperature (°C)	pH	Recovery (%)
2000mg/L NaCl	225(1.55)	25	7.5-8.0	15

Individual flow rate may vary±15%

3. Element Dimensions and Operating Limits

Model	Length		Diameter		Permeate Tube Inner Diameter		Permeate Tube Extension Length	
	inch	mm	inch	mm	inch	mm	inch	mm
8040	40	1016	7.9	201	1.12	28.5	/	/
4040	40	1016	3.9	99	0.75	19.1	1.04	26.5

Maximum Operating Pressure	600psi(4.14MPa)
Operating Temperature Range	0-45℃
Maximum Feed Flow Rate	17.0m^3/h(8040), 3.6m^3/h(4040)
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)

All pictures for reference only. Please contact KeenSen for further advise.

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