

## High Rejection RO Membrane Elements

### Applications

- Seawater desalination.
- Industrial applications for landfill leachate sewage wastewater treatment, high-salinity wastewater concentration etc.
- Minimal or zero liquid discharge.
- Feed TDS above 10000mg/L.

### Benefits

- High Rejection Rate and High Concentration Rate.
- Stability and Durability.

### 8040 Elements



### Specifications

Model	Active Area ft <sup>2</sup> (m <sup>2</sup> )	Feed Spacer Thickness(mil)	Permeate Flow Rate GPD(m <sup>3</sup> /d)	Stabilized Salt Rejection (%)
SW-8040HR	400(37.2)	28	6500(24.6)	99.80
SW-8040MR	400(37.2)	28	7500(39.7)	99.75

### Standard Test Condition

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%

**4040 Elements**



**Specifications**

Model	Active Area ft <sup>2</sup> (m <sup>2</sup> )	Feed Spacer Thickness(mil)	Permeate Flow Rate GPD(m <sup>3</sup> /d)	Stabilized Salt Rejection (%)
SW-4040HR	85(7.9)	28	1500(5.7)	99.75
SW-4040MR	85(7.9)	28	1800(6.8)	99.70

**Standard Test Condition**

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%

**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	1200psi(8.3MPa)
Maximum Operating Temperature	45°C
Maximum Feed Silt Density Index (SDI <sub>15</sub> )	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.