

# Parker Racor Village Marine Tec 8" Reverse Osmosis Membrane Element Sea Water / Brackish Water



## Contact Information:

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Racor thin film composite reverse osmosis membranes deliver high salt rejection while maintaining high production rates to obtain the energy efficiency demanded by plant operators.

By selecting the highest grade of materials and thoroughly testing performance, Racor Village

Marine Tec. is able to offer the highest quality products.

Racor membranes are designed for use in Parker Village Marine Tec. pressure vessel housings as well as other brand housings.



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# 8" RO Membrane

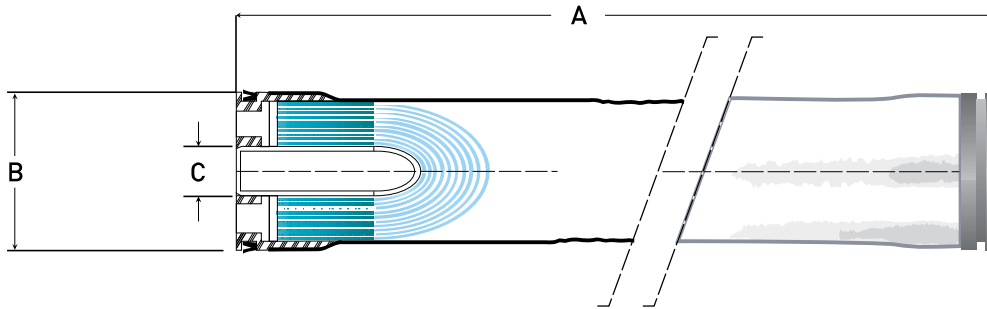
## Operating Information:

- Keep elements moist at all times
- Permeate obtained from first two hours of operation should be discarded

- To prevent biological growth during storage, shipping, or system shutdowns it is recommended that elements be immersed in a protective solution. The standard storage solution for long or short term storage should contain 1.0

percent (by weight) sodium metabisulfite (food grade).

- Flow rates for individual elements may vary +/-20%
- Element to fit industry standard 8.0 inch I.D. pressure vessel



P/N	Product Water Flow Rate GPD (M <sup>3</sup> /D)	Minimum Salt Rejection (%)	Typical Salt Rejection (%)	Maximum Recovery (%)	Dimensions inches (cm)		
					A	B	C
<b>Seawater 33-0840</b>	6000 (22.7)	99.6	99.75	15	40.0	8.0	1.125
<b>Brackish 33-0850</b>	10500 (39.7)	99.4	99.7	15	(101.6)	(20.3)	(2.86)

## Operating Limits:

Membrane Type:

Maximum Operating Pressure:

Maximum Operating Temperature:

Maximum Feed Turbidity:

Free Chlorine Tolerance:

pH Range

    Continuous Operation:

    Short-term (30 min.), Cleaning

Maximum Feed Flow:

Maximum Feed Silt Density Index:

Membrane Outer Wrap:

Maximum Pressure Drop Per Element

### Seawater

#### p/n 33-0840

Thin-film composite

1200 PSI

113°F (45°C)

1 NTU

<0.1 PPM

2-11

1-13

75 GPM

SDI 5

Fiberglass

15 PSI

### Brackish water

#### p/n 33-0850

Thin-film composite

600 PSI

113°F (45°C)

1 NTU

<0.1 PPM

2-11

1-13

75 GPM

SDI 5

Fiberglass

15 PSI

Element Test Conditions:

~32,000 PPM NaCl

800 PSI

77°F (25°C)

~2,000 PPM NaCl

225 PSI

77°F (25°C)

To maintain peak performance always use genuine Parker-Racor/Village Marine Tec. replacement parts.

We reserve the right to change our specifications or standards without notice.



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