**INTENDED USE:**

The CodeLine Model 40E100 Fiberglass RO Pressure Vessel is designed for continuous, long term use as housing for reverse osmosis membrane elements to desalt typical sea waters at pressures up to 1000 psi. Any make of four-inch nominal diameter spiral-wound element is easily accommodated; the appropriate interfacing hardware for the element specified is furnished with the vessel.

The CodeLine Model 40E100 is designed in accordance with the engineering standards of the Boiler and Pressure Vessel Code of the American Society of Mechanical Engineers (ASME Code) Section X. At small additional cost, vessels can be inspected during construction by an ASME Authorized inspector and ASME Code stamped.

The CodeLine Model 40E100 must be installed, operated and maintained in accordance with the listed precautions and good industrial practice to assure safe operation over a long service life.

The high performance reinforced plastic shell must be allowed to expand under pressure; undue restraint at support points or piping connections can cause leaks to develop in the shell. The end closure, incorporating close-fitting, interlocking metal components, must be kept dry and free of corrosion; deterioration can lead to catastrophic mechanical failure of the heads.

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Pentair will assist the purchaser in determining the suitability of this standard vessel for their specific operating conditions. The final determination however, including evaluation of the standard material of construction for compatibility with the specific corrosive environment, shall be the responsibility of the purchaser.

Specifications are subject to change without notice.

**ORDERING:**

Using the chart below, please check the features you require and fax them with your purchase order to our customer service department for expedited processing.

For optional materials and/or features not listed below, please consult factory for pricing and availability.

**VESEL LENGTH CODE – please check one**

MODEL 40E100 □ -1 □ -2 □ -3 □ -4 □ -5 □ -6 □ -7

**MEMBRANE BRAND AND MODEL – please check one and fill in information**

- □ Please supply adapters for the following membrane brand and specific model
  - Brand_________________________Model_______________________

- □ Membrane brand and model information is not available, but will be supplied to Pentair on or before the following date __________/________/________

**CERTIFICATION REQUIRED– please check one**

- □ ASME Stamped and National Board Registered.
- □ In compliance with the ASME Sec. X but not Code Stamped.
- □ CE Marked.

**EXTERIOR FINISH – please check one**

- □ Standard – White high-gloss RAL 9003 polyurethane coating.
- □ Option – Optional colors are available for 50 or more vessels per order. Call factory for pricing details.

**MATERIAL AND PORT CONFIGURATIONS OPTIONS– please check one**

- □ Standard – All materials and port configurations as per drawing 518015 on the first page.
- □ Option – Feed/Concentrate port, ¾” IPS Grooved (P/N 47473)

**NOTE**

Spiral Retaining Ring Removal Tool (50303)
Recommended to open and close vessel.