<table>
<thead>
<tr>
<th>Dash Length</th>
<th>L (IN/MM)</th>
<th>S (IN/MM)</th>
<th>Approx Weight (LB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>-1</td>
<td>49.90 (1267)</td>
<td>28X1 (711)</td>
<td>14 (6)</td>
</tr>
<tr>
<td>-2</td>
<td>89.90 (2283)</td>
<td>56X1 (1422)</td>
<td>22 (10)</td>
</tr>
<tr>
<td>-3</td>
<td>129.90 (3299)</td>
<td>80X1 (2032)</td>
<td>31 (14)</td>
</tr>
<tr>
<td>-4</td>
<td>169.90 (4315)</td>
<td>64X2 (1626)</td>
<td>39 (18)</td>
</tr>
<tr>
<td>-5</td>
<td>209.90 (5331)</td>
<td>98X2 (1981)</td>
<td>48 (22)</td>
</tr>
<tr>
<td>-6</td>
<td>249.90 (6347)</td>
<td>92X2 (2337)</td>
<td>56 (25)</td>
</tr>
</tbody>
</table>

**NOTES:**
- Dimensions in inches (mm approximate).
- Not to be used for construction unless certified.
- Shell exterior coated with white RAL 9006, high gloss polyurethane paint.
**RATING:**

<table>
<thead>
<tr>
<th>DESIGN PRESSURE</th>
<th>600 PSI (4.14 Mpa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. OPERATING TEMP</td>
<td>120°F (49°C)</td>
</tr>
<tr>
<td>MIN. OPERATING TEMP</td>
<td>20°F (-7°C)</td>
</tr>
<tr>
<td>FACTORY TEST PRESSURE</td>
<td>900 PSIG (6.21 MPa)</td>
</tr>
<tr>
<td>BURST PRESSURE</td>
<td>3600 PSI (24.82 MPa)</td>
</tr>
</tbody>
</table>

**PRECAUTIONS:**

DO...read, understand and follow all instructions; failure to take every precaution will void warranty and may result in vessel failure

DO...mount the shell on horizontal members at span “S” using complaint vessel supports furnished; tighten hold down straps just snug

DO...provide flexibility in, and support for piping manifolds so that vessel can grow in length under pressure without undue restraint; provide additional flexible joints in large pipes leading to manifold header

DO...provide overpressure protection for vessel set at not more than 105% of design pressure

DO...inspect end closures regularly; replace components that have deteriorated and correct causes of corrosion

DO NOT...work on any component until first verifying that pressure is relieved from vessel

DO NOT...make rigid piping connections to ports or clamp vessel in any way that resists growth of fiberglass shell under pressure; ΔDIA = 0.02 in. (0.5mm) and ΔL = 0.2 in. (5mm) for a length code -6 vessel

DO NOT...hang piping manifolds from ports or use vessel in any way to support other components.

DO NOT...operate vessel with permeate pressure in excess of 125 psi at 120°F (0.86 Mpa @ 49°C)

DO NOT...operate vessel at pressures and temperatures in excess of its rating

DO NOT...operate vessel without permeate ports internally connected with a complete set of elements and interconnecting hardware

DO NOT...operate vessel with permeate pressure in excess of 125 psi at 120°F (0.86 Mpa @ 49°C)

DO NOT...overtighten the connection to the permeate port (hand-tighten plus one-quarter turn, check for leaks)

DO NOT...tolerate leaks or allow end closures to be routinely wetted in any way

DO NOT...pressurize vessel until double-checking to verify that the retaining ring is completely inside the groove

DO NOT...operate outside the pH range 3-11

**CAUTION:**

EYE PROTECTION SHOULD BE WORN WHEN REMOVING OR INSTALLING RETAINING RINGS.

KEEP FINGERS CLEAR FROM RETAINING RING WHILE INSTALLING LAST OF TWO TURNS. RING MAY SNAP INTO POSITION POSSIBLY PINCHING FINGERS.

**NOTE**

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

**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.

**VESSSEL LENGTH CODE – please check one**

-1
-2
-3
-4
-5
-6

**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 – please check one**

- CE Marked. (Not applicable for -1 vessel)

**EXTERIOR FINISH**

- Standard – White high-gloss RAL 9003 polyurethane coating over sanded surface.

- Optional – Optional colours are available for 50 or more vessels per order. Call factory for pricing details.

**PERMEATE PORT CONFIGURATION**

- Standard – ½” NPT Female

**FEED PORT CONFIGURATION**

- Standard – ¾” NPT Female

- Optional – ½” NPT Female

For complete information on proper use of the vessel Please refer to 40E60 USER’S GUIDE - 526004