RATING:

DESIGN PRESSURE ...................... 1000 PSI (6.90 Mpa) (49°C)
MAX. OPERATING TEMP .................. 120°F (-7°C)
MIN. OPERATING TEMP .................. 20°F (-7°C)
FACTORY TEST PRESSURE ........... CE / ASME
1500 / 1100 PSI (10.34 Mpa) / (7.58 Mpa)
BURST PRESSURE ...................... 6000 PSI (41.4 Mpa)

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 overpressure protection for vessel set at no more than 105% of design pressure.

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

DO NOT ... make rigid piping connections to ports or clamp vessel in any way that restricts growth of fiberglass shell under pressure.

DO NOT ... hang piping manifolds from ports or operate vessel at pressures and temperatures in excess of 125 psi at 120°F.

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 ... work on any component until first verifying that pressure is relieved from vessel.

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

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.

VESSEL LENGTH CODE – please check one

MODEL 80E100 □ -1 □ -2 □ -3 □ -4 □ -5 □ -6 □ -7 □ -8

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

☐ Please supply adapters for the following membrane brand and specific model

Brand_________________________Model_______________________

CERTIFICATION REQUIRED

☐ ASME Stamped and National Board Registered (please consult factory for pricing)

ASME Section X Edition 2015

☐ CE Marked

☐ Standard, Certified by Pentair

EXTERIOR FINISH – please check one

☐ Standard – white high-gloss polyurethane coating.

☐ Option – optional colors are available for 50 or more vessels per order. Call factory for pricing details.

MATERIAL OPTIONS

☐ Standard – All materials as per drawing 99108 on the first page.

☐ Customer specified materials: - (Please consult the factory, as these options will affect pricing and vessel lead-time.)

Specifications are subject to change without notice.

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.

For complete information on proper use of this vessel please refer to the 80E series USER’S GUIDE Bulletin 523004.