**CODELINE®**

**LOW PRESSURE MEMBRANE HOUSING**

**MODEL - 40E30N**

**DRAWN DATE**

**CHECKED DATE**

**APPROVED DATE**

**DRAWN NO.**

**REV.**

**SCALE**

**SHEET OF**

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**NOTES:**

- **DIMENSIONS IN INCHES (MM APPROX)**
- **NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED**
- **SHELL EXTERIOR COATED WITH BLUE RAL 5010, HIGH GLOSS POLYURETHANE PAINT**
- **DIRECT CONNECT—NO SUPPLY OF ADAPTERS**
- **FOR HEX NIPPLE PART NO. REFER PAGE 2**

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**TIGHTENING TORQUE:**

- **1/4" NPT FEMALE**
  - **F34**
  - **Tighten to 300 RFI**

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**CAUTION:** INCORRECT MANUFACTURING WILL CAUSE SEVERE LOCAL STRESS AROUND PORT AND MAY RESULT IN LEAKS AND PREMATURE FAILURE. TAKE EVERY PRECAUTION LISTS ON PAGE 02. SEE INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

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**SECTION THROUGH END CLOSURE**

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**Part Description:**

- **Dash Length:** L IN (MM) S IN (MM) Approx Weight LB (KG)
  - **44.12**
    - 28X1 (1121) (711) (4)
  - **84.12**
    - 56X1 (2137) (1422) (7)
  - **124.12**
    - 80X1 (3153) (2032) (10)

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**Part Numbers:**

- **1 1 SHELL**
- **2 2 95927 End plug Sub-assembly Engineering Thermoplastic.**
- **3 2 45317 Head Seal Ethylene-Propylene - O - Ring**
- **4 2 45296 PWT Seal Ethylene-Propylene - O - Ring**
- **5 2 45260 Retaining Ring SS 316 as per SA-479 ASME Edition 2015.**
- **6 2 45058 Saddle Engineering Thermoplastic.**
- **7 2 47459 Strap Assembly 304 Stainless Steel-PVC Cushion.**
- **8 4 97821 Strap screw 5/16-18 UNC, 1.5" L, 18-8 Stainless Steel.**
RATING:

DESIGN PRESSURE……………………………300 PSI (2.07 Mpa)
MAX. OPERATING TEMP………………………… 120°F (-36°C)
MIN. OPERATING TEMP……………………… 20°F (-7°C)
FACTORY TEST PRESSURE…………………450 PSIG (3.10 MPa)
BURST PRESSURE…………………………1800 PSI (12.41 MPa)

INTENDED USE:
The Model 40E30N Fiberglass RO/UF Pressure Vessel is designed for continuous, long term use as housing for reverse osmosis and ultrafiltration elements in typical industrial water treatment systems at pressures up to 300 psi. Any make of four-inch nominal diameter spiral-wound element with a ¾” dia male product water tube is easily accommodated. The Model 40E30N 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.

Specifications are subject to change without notice.

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.

VESSEL LENGTH CODE – please check one

MODEL 40E30N □-1 □-2 □-3

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

□ Please supply end plugs 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 – please check one
□ Standard – Blue high-gloss RAL 5010 polyurethane coating over sanded surface.
□ Optional – White high-gloss RAL 9003 polyurethane coating over sanded surface.

PERMEATE PORT CONFIGURATION
□ Standard – ½” NPT Female
□ Optional – ¾” BSPT Male PVC (p/n 98790)

FEED PORT CONFIGURATION
□ Standard – ¼” NPT Female
□ Optional – ¾” NPT Male PVC (p/n 98752)

HEX NIPPLE CONFIGURATION FOR FEED PORT
□ Optional – ¾” NPT Male PVC (p/n 98752)
□ Optional – ¾” BSPT Male PVC (p/n 98790)

For complete information on proper use of the vessel Please refer to 40E30N USER’S GUIDE - 526003