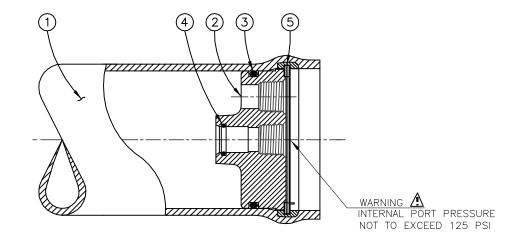


Dwg. Ref.	Qty. Per	ltem Number	Description	Materials/Remarks	
			SHELL		
1	1	Shell		Filament wound epoxy/glass composite. Head locking grooves integrally wound in place. Shell exterior coated with blue high gloss polyurethane paint.	
HEAD					
2	2	95927	End Plug Sub assembly	Engineering Thermoplastic	
<u>3</u>	2	45317	Plug Seal	Ethylene Propylene - 0-Ring	
4	2	45296	Adapter Seal	Ethylene Propylene - 0-Ring	
			HEAD INTERLOC	K	
(5)	2	45260	Retaining Ring	316L Stainless Steel	
		VE:	SSEL SUPPORT -	OPTIONAL	
6	2	45058	Saddle	Engineering Thermoplastic	
Ō	2	47459	Strap Assembly	304 Stainless Steel - PVC cushion	
B	4	97821	Strap Screw	5/16-18 UNC, 18-8 Stainless Steel	
			FOR REFERENCE C	DNLY	



Shell Length Code	L L.O.A. IN (MM)	S Span IN (MM)	APPROX. ASSEMBLY Weight LB (KG)
1	44	28 X 1	9.00
	(1118)	(711)	(4.1)
2	84	56 X 1	16.0
	(2134)	(1422)	(7.3)
3	124	80 X 1	23.0
	(3150)	(2032)	(10.5)

PENTAIR CODELINE®

	SECTION	THROUGH	END	CLOSURE
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NOTES

- DIMENSIONS IN INCHES (MM APPROX)
 NOT TO BE USED FOR CONSTRUCTION UNLESS CERTIFIED
- SHELL EXTERIOR COATED WITH BLUE, HIGH GLOSS POLYURETHANE PAINT

DRAWN DATE	AXA 11JUL05	LOW	MODEL	— MEM		E30N HOUSING	
CHECKED DATE	MD 11JULOS	ECN 3614	DWG. N		5180		REV.
APPROVED DATE	RM 11JUL05	DATE 22MAY15	SCALE	SIZE	В	SHEET	1 OF 2

RATING:

DESIGN PRESSURE300 PSI at 120°F (2.1 MPa at 49°C)
MIN. OPERATING TEMP20*F
FACTORY TEST PRESSURE450 PSI (3.1 MPa)
BURST PRESSURE1800 PSI (12.2 MPa)

INTENDED USE

The Model 40E30N Fiberglass RO/UF Pressure Vessel is designed for continuous, long—term use as a housing for single reverse osmosis and ultrafiltration elements in typical commercial water treatment sytems at pressures up to 300 psi. Any make of 4—inch nominal diameter spiral—wound element with a 3/4" diameter 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.

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 head assembly.

Pentair Water 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 materials of construction for compatibility with the specific corrosive environment, shall be the responsibility of the purchaser.

Specifications subject to change without notice.

PRECAUTIONS

- DO... read, understand and follow all instructions; failure to take every precaution will void warranty and may result in vessel failure
- DO... mount shell on horizontal or vertical members at central span "S" using compliant vessel supports; tighten hold down straps just snug.
- 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... make rigid piping connections to ports or clamp vessel in any way that restricts growth of fiberglass shell under pressure; ▲DIA = 0.01 in. (0.25mm) and ▲L = .03 in. (.8mm) for a lenath code -1 vessel
- DO NOT... hang piping manifolds from ports or use vessel in any way to support other components
- DO NOT... operate vessel at pressures and temperatures in excess of its rating
- DO NOT... operate vessel without element installed.
- 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 rings are in place
- DO NOT... work on any component until first verifying that pressure is relieved from vessel
- DO NOT... operate vessel with permeate pressure in excess of 125 psi at 120°F (0.86 MPa at 49°C)
- DO NOT... operate at pH levels below 3 or above 11

For complete information on proper use of this vessel please refer to the 40E Series USER'S GUIDE, Bulletin 526003

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.

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 feature not listed below, please

consult the factory for pricing and availability.

Please note that we require your membrane brand and model number when ordering. If this information is not initially available, you may provide it at a later date by checking the appropriate box below

		CODE — please check one			
MODEL 40E30N □ -1 □ -2 □ -3					
EXTERIOR	EXTERIOR FINISH — please check one				
	Standard – b	olue high—gloss polyurethane coating.			
	□ Optional – white high-gloss polyurethane coating.				
CERTIFICA	ATION -	please check one			
	Standard – c	ertified by Pentair, not code stamped.			
	CE Marked -	(Not applicable for dash 1 vessel).			
MEMBRANE BRAND AND MODEL - please check one and fill in information					
	Please supply	adapters for the following membrane brand and specific model.			
	Brand	Model			
		nd and model information is not currently available, but will be supplied to CodeLine the following date/			
Serial number	• • • •	END DULIO MATERIALO			
end	end	END PLUG MATERIALS			
		Standard - Noryl			
		Optional – PVC			
		PERMEATE PORT CONFIGURATION Standard - 1/2" NPT Female			
		FEED PORT CONFIGURATION			
		Standard - 3/4" NPT Female			
		Optional — 1/2" NPT Female (PVC)			
Serial r	number end				
Opposite end					