

# CODELINE® - 80E SERIES

## 8 INCH END ENTRY MEMBRANE HOUSING FOR RO APPLICATION

### MEMBRANE HOUSING DATASHEET

ARTICLE CODE: 80E30, 80E45, 80E60, 80E100, 80E120

#### GENERAL INFORMATION

Codeline 80E Series is membrane housing of 8" diameter with end entry design. This is used for commercial, municipal and industrial RO applications. Vessel models are available upto a maximum operating pressure of 300 PSI, 450 PSI & 600 PSI, 1000 PSI & 1200 PSI. These are made up of epoxy / glass composite to meet the demands of long term and continuous use in RO processes. Codeline 80E Series vessels can accommodate any standard\* 8" membrane element.

\* Standard element length = 40 " long

#### UNIQUE FEATURES

- Mirror Finish ID for easy & quick loading and unloading of membranes
- Quick lock head retention system for quick access to membranes
- Exteriors coated with high gloss polyurethane paint for UV resistance
- Head seal is captured, hence doesn't roll during head assembly fitment
- Compatible for using in all water type application
- Available in ASME certified & CE Marked models

#### CERTIFICATIONS

- ASME code compliant
- CE certified

#### CODELINE 80E SERIES SPECIFICATION\*

MODEL NUMBER	DRAWING NUMBER	MAX. OPERATING PRESSURE	MAX. OPERATING TEMPERATURE	QUALIFICATION PRESSURE	ELEMENT LENGTH
CODELINE 80E30	99111	300 PSI / 20 Bar	120 °F / 49 °C	1800 PSI / 124 Bar	1-8
CODELINE 80E45	99112	450 PSI / 31 Bar	120 °F / 49 °C	2700 PSI / 186 Bar	1-8
CODELINE 80E60	99109	600 PSI / 41 Bar	120 °F / 49 °C	3600 PSI / 248 Bar	1-8
CODELINE 80E100	99108	1000 PSI / 68 Bar	120 °F / 49 °C	6000 PSI / 413 Bar	1-8
CODELINE 80E120	99110	1200 PSI / 82 Bar	120 °F / 49 °C	7200 PSI / 496 Bar	1-8

\* Specifications are subjected to change without prior notice (for more details refer model specific engineering drawings)

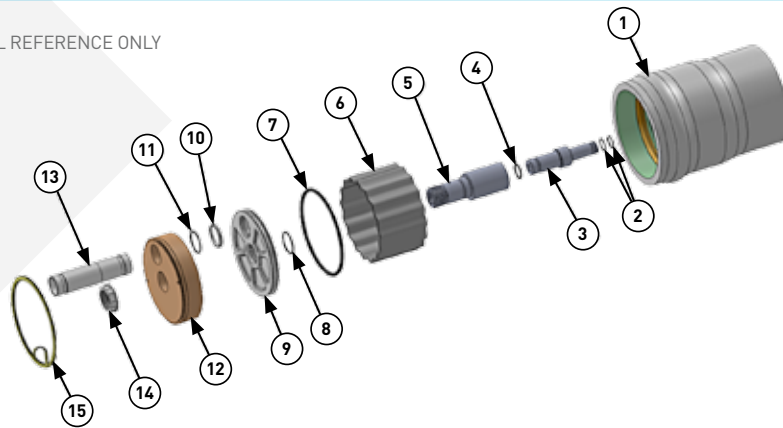
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#### EXPLODED VIEW & DETAILS

A GENERIC VIEW FOR VISUAL REFERENCE ONLY



#### PARTS TABLE

DRG REG	QTY	DESCRIPTION	MATERIAL	80E30	80E45	80E60	80E100	80E120
				PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
1	1	Shell	Filament Wound Epoxy / Glass composites. Head Locking grooves integrally wound in place.	Order section	Order section	Order section	Order section	Order section
2	4	PWT Seal	Ethylene Propylene - O Ring	As required	As required	As required	As required	As required
3	2	Adapter	Engineering Thermoplastic	As required	As required	As required	As required	As required
4	2	Adapter Seal	Ethylene Propylene - O Ring	52245	52245	52245	52245	52245
5	2	Permeate Port	Engineering Thermoplastic	50608	50569	50569	50558	50558
6	1	Thrust Ring	Engineering Thermoplastic	45069	45069	45069	45069	45069
7	2	Head Seal	Ethylene Propylene - O Ring	96000	96000	96000	96000	96000
8	2	Perm Port Seal	Ethylene Propylene - O Ring	45312	45312	45312	45312	45312
9	2	Sealing Plate	Engineering Thermoplastic	96003	96003	96003	96003	96003
10	2	Port Retainer / Set	Stainless Steel / Two-piece Set	45247	45090	45090	45090	45090
11	2	FC Port Seal	Ethylene Propylene - O Ring	45312	45312	45312	45312	45312
12	2	Bearing Plate	6061-T6 Aluminum Alloy - Hard Anodized	51050	51051	51052	47317	47317
13	2	Feed / Conc Port	Stainless Steel 316L** / Super Duplex Stainless Steel	50607**	50567**	50567**	50556	50556
14	2	Port Retainer / Port Nut	Stainless Steel / Engineering Thermoplastic	45247	45066	45066	45066	45066
15	2	Retaining Ring	316 Stainless Steel	47336	47336	47336	47336	47336
16*	AR	Saddle	Engineering Thermoplastic	52169	52169	52169	52169	52169
17*	AR	Strap Assembly	304 Stainless Steel - PVC Cushion	45042	45042	45042	45042	45042
18*	AR	Strap Screw	5/16-18 UNC, 18-8 Stainless Steel	46265	46265	46265	46265	46265

\* Not shown in the exploded view

\*\* Stainless Steel 316L material



#### CODELINE®

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