

CODELINE® - 40E SERIES

4 INCH END ENTRY MEMBRANE HOUSING FOR RO APPLICATIONS

MEMBRANE HOUSING DATASHEET

ARTICLE CODE: 40E30N, 40E60, 40E100

GENERAL INFORMATION

Codeline 40E Series is membrane housing of 4" diameter with end entry design. This is used for commercial and industrial RO applications. Vessel models are available upto a maximum operating pressure of 300 PSI, 600 PSI & 1000 PSI. These are made up of epoxy / glass composite to meet the demands of long term and continuous use in RO processes. Codeline 40E Series vessels can accommodate any standard* 4" 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
- Compact design for use in compact and low energy water treatment units
- More accurate Head Seal Area is formed by mandrel surface
- Head Seal is captured, hence doesn't roll during head assembly fitment

CERTIFICATIONS

- Codeline 40E30N-2 & Codeline 40E30N-3: CE certified
- Codeline 40E60: CE certified
- Codeline 40E100: ASME code compliant & CE certified

CODELINE 40E SERIES SPECIFICATION*

| MODEL NUMBER | DRAWING NUMBER | MAX. OPERATING PRESSURE | MAX. OPERATING TEMPERATURE | QUALIFICATION PRESSURE | ELEMENT LENGTH |
|-----------------|----------------|-------------------------|----------------------------|------------------------|----------------|
| CODELINE 40E30N | 518016 | 300 PSI / 20 Bar | 120 °F / 49 °C | 1800 PSI / 124 Bar | 1-3 |
| CODELINE 40E60 | 518017 | 600 PSI / 41 Bar | 120 °F / 49 °C | 3600 PSI / 248 Bar | 1-6 |
| CODELINE 40E100 | 518015 | 1000 PSI / 68 Bar | 120 °F / 49 °C | 6000 PSI / 413 Bar | 1-7 |

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

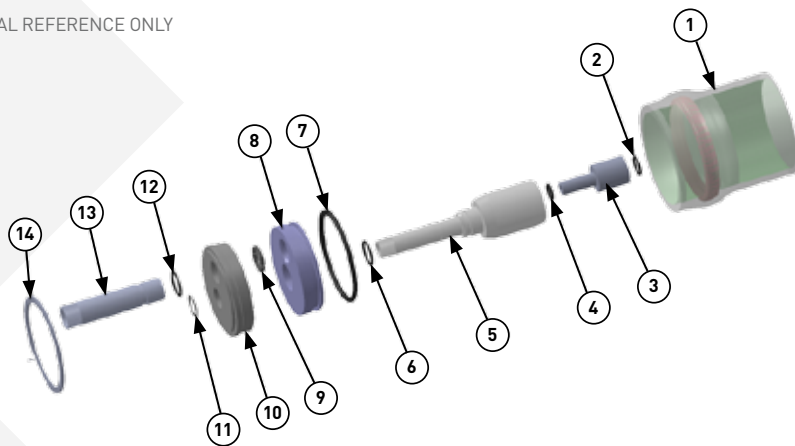
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EXPLODED VIEW & DETAILS

A GENERIC VIEW FOR VISUAL REFERENCE ONLY



PARTS TABLE

| DRG REG | QTY | DESCRIPTION | MATERIAL | 40E30N | 40E60 | 40E100 |
|---------|-----|--|---|---------------|---------------|---------------|
| | | | | 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 |
| 2 | AR | PWT Seal | Ethylene Propylene - O Ring | NA | As required | As required |
| 3 | 2 | Adapter | Engineering Thermoplastic | NA | As required | As required |
| 4 | 2 | Adapter Seal | Ethylene Propylene - O Ring | 45296 | 45294 | 45294 |
| 5 | 2 | Permeate Port | Engineering Thermoplastic | NA | NA | 47469 |
| 6 | 2 | Permeate Port Seal | Ethylene Propylene - O Ring | NA | NA | 45299 |
| 7* | 2 | Plug Seal | Ethylene Propylene - O Ring | 45317 | 45317 | 45317 |
| 8* | 2 | Sealing Plate | Engineering Thermoplastic | NA | NA | 50481 |
| 9 | 2 | Port Retainer Set | CF8M Cast SST, Two-Piece Set | NA | NA | 50489 |
| 10 | 2 | End Plug Sub Assembly / Bearing Plate | Engg. Thermoplastic*** / 6061-T6 hard anodized Alum. Alloy | 95927*** | 50312*** | 47471 |
| 11 | 2 | Port Retainer | PH 15-7 MO SST | NA | NA | 45244 |
| 12 | 2 | F / C Port Seal | Ethylene Propylene - O Ring | NA | NA | 45299 |
| 13** | 2 | F / C Port | UNS32750 | NA | NA | 47472 |
| 14 | 2 | Retaining Ring | 316 Stainless Steel | 45260 | 45260 | 45260 |
| 15* | AR | Saddle | Engineering Thermoplastic | 45058 | 45058 | 45058 |
| 16* | AR | Strap Assembly | 304 Stainless Steel Cushion | 47459 | 47459 | 47459 |

* Not shown in the exploded view and optional for the 40E30N

** For 40E100 the UNS32750 material is suitable only

*** Engg. thermoplastic material



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