

# CODELINE® 4 INCH END PORT RO MEMBRANE HOUSINGS

## ORDERING FORM

Customer: \_\_\_\_\_ Project: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Model: \_\_\_\_\_ Total number of vessels: \_\_\_\_\_ PO / ref number: \_\_\_\_\_

### TECHNICAL REQUIREMENTS

⇒ Design pressure / max. working pressure (PSI):  300  600  1000  
 40E30N / 40E60 - non-coded models & 40E100 - code compliant

⇒ Number of membrane elements per housing:  -1;  -2;  -3;  -4;  -5;  -6;  -7  
 Maximum element per vessel: 40E30N - 3 elements / 40E60 - 6 elements / 40E100 - 7 elements

⇒ 40E30N / 40E60: Non-coded (end plug assembly selection)

Models	Standard connection (F / C x permeate)	Non standard (F / C x permeate)
40E30N - 300 psi	<input type="checkbox"/> 3/4" x 1/2" FNPT	<input type="checkbox"/> _____
40E60 - 600 psi	<input type="checkbox"/> 3/4" x 1/2" FNPT	<input type="checkbox"/> _____

⇒ 40E100: Code compliant

• Feed / concentrate port configuration:

Size	Standard material	Non standard
<input type="checkbox"/> 3/4" MNPT (standard offering)	<input type="checkbox"/> SAF 2507 - UNS S32750 (super duplex) - sea water 1000 psi	<input type="checkbox"/> _____ (availability to be checked with factory)
<input type="checkbox"/> 3/4" IPS grooved end*		

⇒ Membrane element brand & model: \_\_\_\_\_ & \_\_\_\_\_

⇒ Adapter kits / end connectors:

Open adapters on both end (standard offering)  Open adapter (product end) & blind adapter (non product end)

\*\* Adapter kit selection depends on the membrane to be used in the housing.

\*\* Not applicable for 40E30N - direct connect (does not require adapter).

⇒ Permeate port selection:

Serial number end			Non serial number end		
Size	Connection	Material	Size	Connection	Material
<input type="checkbox"/> 1/2" (standard offering)	<input type="checkbox"/> MNPT (standard offering) <input type="checkbox"/> BSPT M* <input type="checkbox"/> BSPP M*	<input type="checkbox"/> Engg Thermoplastic (standard offering) <input type="checkbox"/> SS316L*	<input type="checkbox"/> 1/2" (standard offering)	<input type="checkbox"/> MNPT (standard offering) <input type="checkbox"/> BSPT M* <input type="checkbox"/> BSPP M*	<input type="checkbox"/> Engg Thermoplastic (standard offering) <input type="checkbox"/> SS316L*

\* Non standard offerings will have cost implications / MOQ, please refer the price list or contact product management / sales support team for the applicable price adders.

⇒ Certifications:

- Hydro testing at 1.1 times the design pressure./MAWP
- In compliance with the ASME Section X but not Code Stamped.
- ASME Stamped and National Board Registered.
- CE Marked – MODULE-D1, CATEGORY-2

\*\* Membrane housings with only coded head assemblies can be ASME RP stamped and ASME compliant.

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⇒ Exterior paint finish:

- Blue RAL-5010 (standard offering) - for 40E30N vessel model
- White RAL-9003 (standard offering) - applicable for 40E60 / 40E100

⇒ Strap assembly material:

- SS304 (standard offering)

⇒ Bearing plate material (applicable for 40E100 vessel models):

- 6061 T6 aluminium (standard offering)

Note: Non standard offerings will have cost implications / MOQ, please refer the price list or contact product management / sales support team for the applicable price adders.

⇒ Other special requirement:

⇒ Know your Codeline membrane housing model:

40

E

(PSI)

(number of membrane element)

The next two or three numerical represents the design pressure of the membrane housings  
30 - 300 psi  
60 - 600 psi  
100 - 1000 psi

The last numerical provides the data on the membrane i.e. number of elements or length of element  
1 to 7 – number of membranes  
40E30N - 3 elements  
40E60 - 6 elements  
40E100 - 7 elements

*i.e. examples given below for reference only*

*40E100 - 7 represents: 40 (4" housing) – E (End entry housing) – 100 (1000 psi design pressure) – 7 (can house max. 7 elements)*



\*\* For general arrangement drawing and more details visit our website [www.codeline.com](http://www.codeline.com)

CODELINE®

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