

CODELINE® 4 INCH SIDE 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): 300 450 600
- ⇒ Number of membrane elements per housing: -1; -2; -3; -4; -5; -6
- ⇒ Head assembly / end enclosure
 - Coded head assembly (designed as per ASME sec X guidelines / mandatory for ASME RP stamped housings)
 - Non-coded head assembly (single piece head / cannot be used for ASME compliant or ASME stamped housings)
- ⇒ Membrane element brand & model: _____ & _____
- ⇒ Adapter kits / end connectors:
 - Open adapters on both end (standard offering) Open adapter (product end) & blind adapter (non product end)

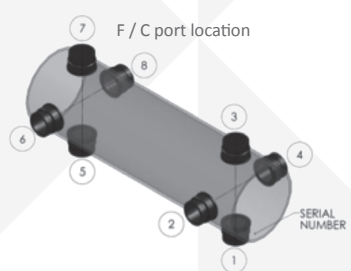
** Adapter kit selection depends on the membrane to be used in the housing.

⇒ Feed / concentrate port:

- Feed / concentrate port material:

Application	Standard material	Non standard
<input type="checkbox"/> Brackish water application – Up to 600 psi	<input type="checkbox"/> CF8M cast equivalent of SS316 (austenitic) - 40S30/45 <input type="checkbox"/> CF3M cast equivalent of SS316L (austenitic) - 40S60	<input type="checkbox"/> _____ <small>(refer the GA drawing to specify part nos / MOC / availability to be checked with factory)</small>

- Feed / concentrate port configuration:

<p>Standard</p> <p><input type="checkbox"/> 1 C 5 C (standard) – 2 ports in line of size 1.0” IPS grooved</p> <p><input type="checkbox"/> 1 A 5 A (optional) – 2 ports in line of size 3/4” NPT Female</p> <p><input type="checkbox"/> 1 B 5 B (optional) – 2 ports in line of size 3/4” BSP / JIS Female</p> <p><small>** Note: Ports not available at 90° configuration for all the models, please refer the page 2 of the respective drawing of the membrane housing model.</small></p> <p>Multiport configuration</p> <ul style="list-style-type: none"> • Type I - quantity: _____ nos. Serial number end <input type="checkbox"/>1 <input type="checkbox"/>2 <input type="checkbox"/>3 <input type="checkbox"/>4 <input type="checkbox"/> Opposite end <input type="checkbox"/>5 <input type="checkbox"/>6 <input type="checkbox"/>7 <input type="checkbox"/>8 <input type="checkbox"/> • Type II - quantity: _____ nos. Serial number end <input type="checkbox"/>1 <input type="checkbox"/>2 <input type="checkbox"/>3 <input type="checkbox"/>4 <input type="checkbox"/> Opposite end <input type="checkbox"/>5 <input type="checkbox"/>6 <input type="checkbox"/>7 <input type="checkbox"/>8 <input type="checkbox"/> • Type III - quantity: _____ nos. Serial number end <input type="checkbox"/>1 <input type="checkbox"/>2 <input type="checkbox"/>3 <input type="checkbox"/>4 <input type="checkbox"/> Opposite end <input type="checkbox"/>5 <input type="checkbox"/>6 <input type="checkbox"/>7 <input type="checkbox"/>8 <input type="checkbox"/> 	<p>Port configuration selection aid</p> <table border="1" style="margin-bottom: 10px;"> <thead> <tr> <th colspan="2">Port size code</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>3/4” NPT Female</td> </tr> <tr> <td>B</td> <td>3/4” BSP / JIS Female</td> </tr> <tr> <td>C</td> <td>1” grooved end</td> </tr> </tbody> </table>  <p style="text-align: right;"><small>F / C port location</small></p> <p style="text-align: right;"><small>SERIAL NUMBER</small></p>	Port size code		A	3/4” NPT Female	B	3/4” BSP / JIS Female	C	1” grooved end
Port size code									
A	3/4” NPT Female								
B	3/4” BSP / JIS Female								
C	1” grooved end								

CODELINE® 4 INCH SIDE PORT RO MEMBRANE HOUSINGS

ORDERING FORM

⇒ Permeate port selection:

- Offering with coded head assembly:

Serial number end			Non serial number end		
Size	Connection	Material	Size	Connection	Material
<input type="checkbox"/> 1/2" (standard offering)	<input type="checkbox"/> FNPT (standard offering)	<input type="checkbox"/> Engg Thermoplastic (standard offering)	<input type="checkbox"/> 1/2" (standard offering)	<input type="checkbox"/> FNPT (standard offering)	<input type="checkbox"/> Engg Thermoplastic (standard offering)
<input type="checkbox"/> 3/4" **	<input type="checkbox"/> BSPT F*	<input type="checkbox"/> SS316L*	<input type="checkbox"/> 3/4" **	<input type="checkbox"/> BSPT F*	<input type="checkbox"/> SS316L*
	<input type="checkbox"/> BSPP F*			<input type="checkbox"/> BSPP F*	
	<input type="checkbox"/> Triclover / Sanitary**			<input type="checkbox"/> Triclover / Sanitary**	

* 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.

** Triclover / sanitary connection is non-standard connection & available in 3/4" size & material of construction in SS316L only

⇒ Permeate port selection (contd.)

- Offering with non-coded head assembly:

Standard	Non standard	Non standard
<input type="checkbox"/> 1/2" FNPT (Engg Thermoplastic) (standard offering)	<input type="checkbox"/> 1/2" BSPT / JIS Female (Engg Thermoplastic)	<input type="checkbox"/> 1/2" BSPP / JIS Female (Engg Thermoplastic)

Note: The material of the single piece head is engineering thermoplastic.

⇒ 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.

⇒ Exterior paint finish:

- White RAL 9003 (standard offering)
- If other specify - _____ (minimum order quantity: 100 membrane housings)

⇒ Strap assembly material:

- SS304 (standard offering)

⇒ Bearing Plate standard material:

- Stainless steel 316L
- ** Bearing plate is the part of only coded head assembly.

⇒ Sealing Plate material:

- PVC (standard offering)
 - PET
- ** Sealing plate is the part of the coded head assembly, PET sealing plate should be selected for applications with temp requirement of 190 °F and sanitary application.

⇒ Other special requirement:

⇒ Know your Codeline membrane housing model:

40

S

(PSI)

(number of membrane element)

i.e. examples given below for reference only
 40S30 - 6 represents: 40 (4" housing) –
 S (Side port housing) –
 30 (300 psi design pressure) –
 6 (can house max. 6 elements)

The next two or three numerical represents the design pressure of the membrane housings
 30 - 300 psi
 45 - 450 psi
 60 - 600 psi

The last numerical provides the data on the membrane i.e. number of elements or length of element
 1 to 6 – number of membranes

** For general arrangement drawing and more details visit our website www.codeline.com



CODELINE®

PENTAIR WATER INDIA PVT. LTD. L / 52 – 55, VERNA INDUSTRIAL ESTATE, VERNA, GOA, INDIA – 403 722 - WWW.CODELINE.COM

Note: The information and data contained in this document are based on our general experience and are believed to be correct. They are given in good faith and are intended to provide a guideline for the selection and use of our products. Since the conditions under which our products may be used are beyond our control, this information does not imply any guarantee of final product performance and we cannot accept any liability with respect to the use of our products. The quality of our products is guaranteed under our conditions of sale. Existing industrial property rights must be observed.
 OF CODELINE 4 INCH SIDE PORT RO MEMBRANE HOUSINGS EN 4116 © 2016 Pentair. All Rights Reserved.