

(or male Adapter for membrane element with female permeate tube, in this case all measurements must be changed, see note 7)

This drawing is an integral part of the general statement of use and technical manual

Shell length code	L (l.o.a.) mm, inch	P port to port, mm, Inch	S # (span) mm, inch	M, mm/in length for membranes elements	W weight kg, lb.	Article number
21	715	540	410	485	8	41301-21
	28,1	21,3	16	19,1	18	
22	1248,5	1073,5	940	1018,5	10	41301-22
	49,2	42,3	37	40,1	22	
23	1782	1607	1480	1552	12	41301-23
	70,2	63,3	58	61,1	26	
24	2315,5	2140,5	2000	2085,5	14	41301-24
	91,2	84,3	79	82,1	31	
25	2850	2675	2540	2620	16	41301-25
	112,2	105,3	100	103,1	35	
26	3383,5	3208,5	3070	3153,5	17	41301-26
	133,2	126,3	121	124,2	37	
27	3918,5	3743,5	3600	3688,5	19	41301-27
	154,3	147,4	142	145,2	42	
28	4453	4278	4140	4223	21	41301-28
	175,3	168,4	163	166,3	46	
29	4988	4813	4670	4758	23	41301-29
	196,4	189,5	184	187,3	51	
30	5522,5	5347,5	5200	5292,5	25	41301-30
	217,4	210,5	205	208,4	55	
31	6058	5883	5740	5828	27	41301-31
	238,5	231,6	226	229,4	60	
32	6591,5	6416,5	6270	6361,5	29	41301-32
	259,5	252,6	247	250,5	64	

Table №1 for membrane length 21" (533.4mm.).
Table №2 for membrane length 40" (1016mm.).

Shell length code	L (l.o.a.) mm, inch	P port to port, mm, Inch	S # (span) mm, inch	M, mm/in length for membranes elements (with membrane type)		W weight kg, lb.	Article number
1	1200	1024	710	1020	970	10	41300-1
	47,2	40,3	28	40,2	38,2	22	
2	2216	2040	1550	2036	1986	13	41300-2
	87,2	80,3	61	80,2	78,2	29	
3	3232	3056	2550	3052	3002	17	41300-3
	127,2	120,3	100	120,2	118,2	37	
4	4248	4072	3250	4068	4018	21	41300-4
	167,2	160,3	128	160,2	158,2	46	
5	5265	5089	4250	5085	5035	24	41300-5
	207,3	200,4	167	200,2	198,2	53	
6	6283	6107	5250	6103	6053	28	41300-6
	247,4	240,4	207	240,3	238,3	62	

Warning.

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may cause an excessive pressure on port what can lead to leaks.
3. Max. allowable working pressure not to exceed 300 psi. (20.7 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 65°C (150°F).

Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. *Item 13 & 14 are optional. Delivered upon request. Priced separately.
3. Drawing unit: mm. (inches).
4. Saddles can be shimmed if required.
5. Do not scale drawing, may be reprinted on any paper size or copied.
6. The vessel should be supported with two straps for external saddles.
7. For further information please contact BEL.
8. Storage & installation: Indoor.
9. Vessel's ports diameters according to ANSI Standards.

Item	Part Number	Q-ty	Description	Material
1	41300-0	1	Body of Pressure Vessel	Glass/Epoxy
2	009-106-0450	2	Sideport 1"	Stainless steel
3	014-100-0505	2	Seal for Sideport 1"	EPDM
4	006-116-1202	2	Disk for Sideport 1"	Stainless steel
5	011-100-1202	4	R.Ring for Sideport 1"	Stainless steel
6	55410208	2	Retaining ring	Stainless steel
7	003-400-0005	2	Base plate	Engineering plastic
8	55412360	2	Seal for base plate	EPDM
9	as required	2	Membrane Adapter	Engineering plastic
10	as required	2	Membrane seal	EPDM
11	55412367	2	Seal for adapter	EPDM
12	55412377	0-6	Disk spacer	Engineering plastic

Vessel support parts - optional -

13*	55410352	2-3	Saddle	Engineering plastic
14*	55410246	2	Strap	Stainless steel

BEL	TITLE: BEL4-S(1")-300 psi. RO PRESSURE VESSEL	DESIGN	VMLS	18/09/2024
		CHECK	SRS	18/09/2024
DRAWING NO: BEL4-S(1")-300		APPR.	VMLS	18/09/2024
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ORDER / R.F.Q. FORM - 4" SIDE PORT PRESSURE VESSELS

Please fill and send it to your contact at BEL

P.O. / R.F.Q. Number:

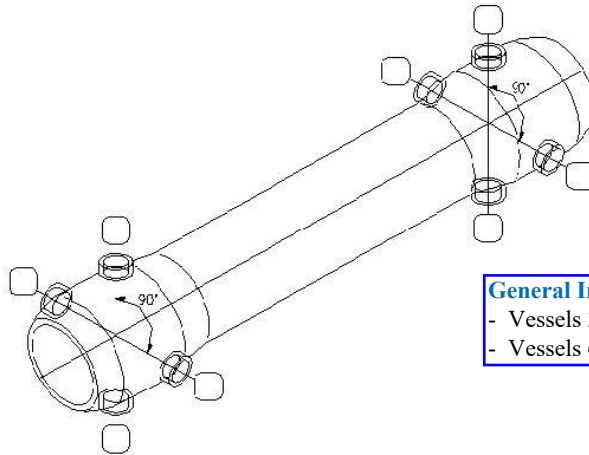
Customer name:

1. F/C PORTS CONFIGURATION: Please indicate side port requirement on each side of the vessel
(Mark the letter indicating port diameter in the box at each required port location)

A – 1" Victaulic B – 1.5" Victaulic (Except for 1500 psi models)

Vessel's Port diameters, according to ANSI Standards.

(Ports with a diameter of 1.5" cannot be mounted in 90° with any other port)



General Information for Permeate ports:

- Vessels 300 psi & 450 psi: ½" NPT Female.
- Vessels 600 psi up to 1500 psi: ½" NPT Male.

2. NUMBER OF VESSELS:

(Please use separate forms for each type in case of multi-type orders)

3. WORKING PRESSURE RATE (PSI): 300 / 450 / 600 / 1,000 / 1,200 / 1500

4. NUMBER OF MEMBRANE ELEMENTS IN EACH VESSEL:

For 40" membranes length: (1to 6)

For 21" membranes length: (1 to 12)

5. MEMBRANE BRAND AND TYPE:

6. CONFIRM TYPE – BEL4-S- (x) - - M

of ports diam. Port pressure #membranes

7. SADDLES & STRAPS (Optional): NO / YES *(please contact for pricing)*

8. ADAPTERS OPTIONS: Two Standard adapters / Standard & Solid (blind) adapter

9. COLOR: Standard (white, RAL 9010) / Other RAL number: *(contact for pricing)*

Customer signature:

Date:

FOR DETAILS PLEASE VISIT OUR WEBSITE: www.belvessels.com