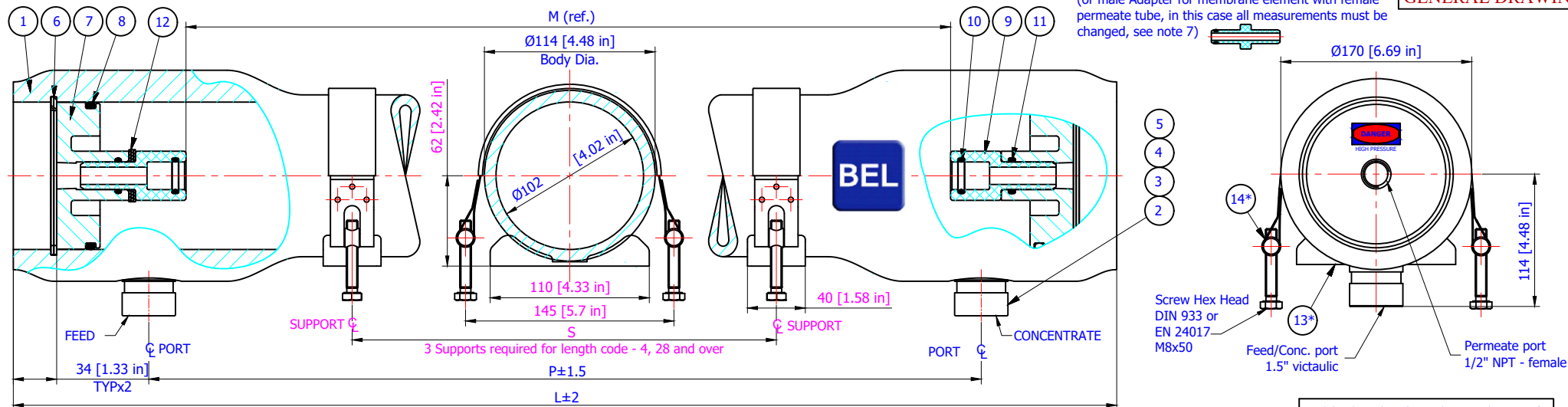




This drawing is an integral part of the general statement of use and technical manual

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 	W weight kg, lb.	Article number
22	1298	1092	420	1019	14	42451-22
	51,1	43,0	16,54	40,1	31	
23	1832	1626	950	1552	17	42451-23
	72,1	64,0	37,40	61,1	37	
24	2365	2159	1400	2086	19	42451-24
	93,1	85,0	55,12	82,1	42	
25	2900	2694	1900	2620	21	42451-25
	114,2	106,1	74,80	103,1	46	
26	3434	3228	2400	3154	24	42451-26
	135,2	127,1	94,49	124,2	53	
27	3968	3762	2900	3689	26	42451-27
	156,2	148,1	114,17	145,2	57	
28	4503	4297	3400	4223	28	42451-28
	177,3	169,2	133,86	166,3	62	
29	5038	4832	3900	4758	30	42451-29
	198,3	190,2	153,54	187,3	66	
30	5573	5367	4400	5293	33	42451-30
	219,4	211,3	173,23	208,4	73	
31	6108	5902	4900	5828	35	42451-31
	240,5	232,4	192,91	229,4	77	
32	6641	6435	5400	6362	37	42451-32
	261,5	253,3	212,60	250,5	82	

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 450 psi. (31 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	42450-0	1	Body of Pressure Vessel	Glass/Epoxy
2	040-156-0604	2	Sideport 1.5"	Stainless steel
3	014-150-0506	2	Seal for Sideport 1.5"	EPDM
4	006-156-0452	2	Disk for Sideport 1.5"	Stainless steel
5	011-150-1202	4	R.Ring for Sideport 1.5"	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 LONG	Engineering plastic
10	as required	2	Membrane seal	EPDM
11	55412367	2	Seal for adapter	EPDM
12	55412377	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(1.5")-450 psi. RO PRESSURE VESSEL DRAWING NO.: BEL4-S(1.5")-450				DESIGN VMLS 28/08/2025 CHECK SRS 28/08/2025 APPR. VMLS 28/08/2025
THIS DRAWING IS PROPERTY OF BEL GROUP LIMITED IT IS STRICTLY FORBIDDEN TO USE, COPY, REPRODUCE OR DISCLOSE ANY PART OF IT TO THIRD PARTY WITHOUT WRITTEN AUTHORIZATION.				REV.: 1

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:

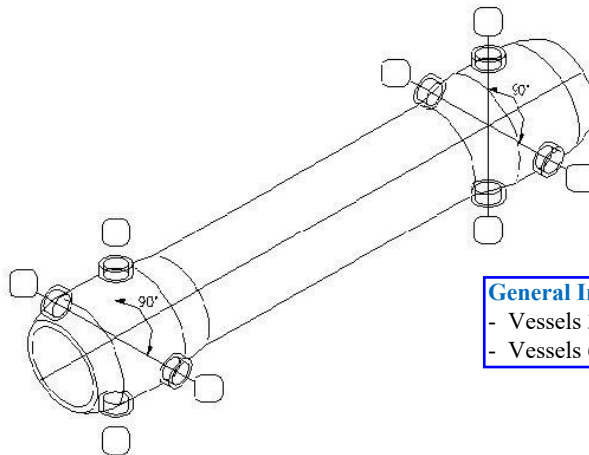
Customer name:

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