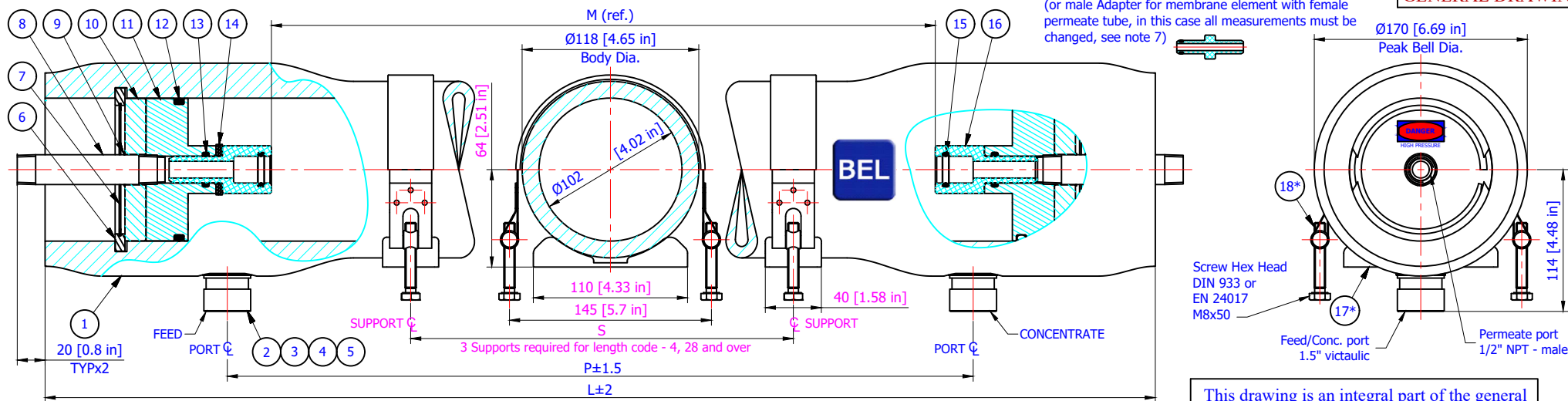


GENERAL DRAWING



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
21	841	559	410	485	15	42601-21
	33,1	22,0	16	19,1	33	
22	1375	1092	940	1019	18	42601-22
	54,1	43,0	37	40,1	40	
23	1908	1626	1480	1552	21	42601-23
	75,1	64,0	58	61,1	46	
24	2442	2159	2000	2086	24	42601-24
	96,1	85,0	79	82,1	53	
25	2976	2694	2540	2620	27	42601-25
	117,2	106,1	100	103,1	60	
26	3510	3228	3070	3154	30	42601-26
	138,2	127,1	121	124,2	66	
27	4045	3762	3600	3689	33	42601-27
	159,3	148,1	142	145,2	73	
28	4579	4297	4140	4223	37	42601-28
	180,3	169,2	163	166,3	82	
29	5114	4832	4670	4758	40	42601-29
	201,3	190,2	184	187,3	88	
30	5649	5367	5200	5293	43	42601-30
	222,4	211,3	205	208,4	95	
31	6184	5902	5740	5828	46	42601-31
	243,5	232,4	226	229,4	101	
32	6718	6435	6270	6362	49	42601-32
	264,5	253,3	247	250,5	108	

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	1326	1044	710	1020	970	20	42600-1
	52,2	41,1	28	40,2	38,2	44	
2	2342	2060	1550	2036	1986	25	42600-2
	92,2	81,1	61	80,2	78,2	55	
3	3358	3076	2550	3052	3002	31	42600-3
	132,2	121,1	100	120,2	118,2	68	
4	4374	4092	3250	4068	4018	37	42600-4
	172,2	161,1	128	160,2	158,2	82	
5	5391	5109	4250	5085	5035	43	42600-5
	212,2	201,1	167	200,2	198,2	95	
6	6409	6127	5250	6103	6053	49	42600-6
	252,3	241,2	207	240,3	238,3	108	

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 600 psi. (41.4 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 17 & 18 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	42600-0	1	Body of Pressure Vessel	Glass/Epoxy
2	040-156-0604	2	Sideport 1.5"	Stainless steel
3	006-156-1203	2	Seal for Sideport 1.5"	EPDM
4	014-150-0506	2	Disk for Sideport 1.5"	Stainless steel
5	011-150-1202	4	R.Ring for Sideport 1.5"	Stainless steel
6	005-461-1200	2	Support Ring	Aluminium
7	011-401-1202	2	Retaining ring for S.Ring	316 Stainless steel
8	008-400-1215	2	Permeate tube	Engineering plastic
9	55412369	2	R.Ring for permeate port	316 Stainless steel
10	003-420-1215	2	Base plate	Aluminium
11	003-400-0005	2	Sealing plate	Engineering plastic
12	55412360	2	Seal for sealing plate	EPDM
13	55412367	2	Seal for adapter	EPDM
14	55412377	0-6	Disk spacer	Engineering plastic
15	as required	2	Membrane seal	EPDM
16	as required	2	Membrane Adapter LONG	Engineering plastic

Vessel support parts - optional -

17*	55410352	2-3	Saddle	Engineering plastic
18*	55410246	2	Strap	Stainless steel

	TITLE: BEL4-S(1.5")-600 psi. RO PRESSURE VESSEL		DESIGN	VMLS	20/09/2024
			CHECK	SRS	20/09/2024
DRAWING NO:	BEL4-S(1.5")-600		APPR.	VMLS	20/09/2024
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.: 0

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:

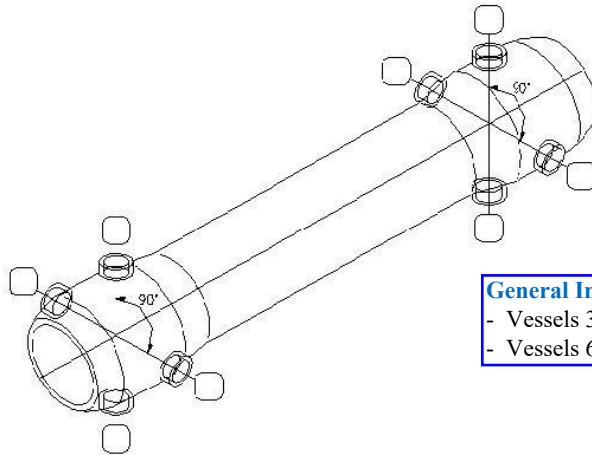
Customer name:

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: (1 to 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