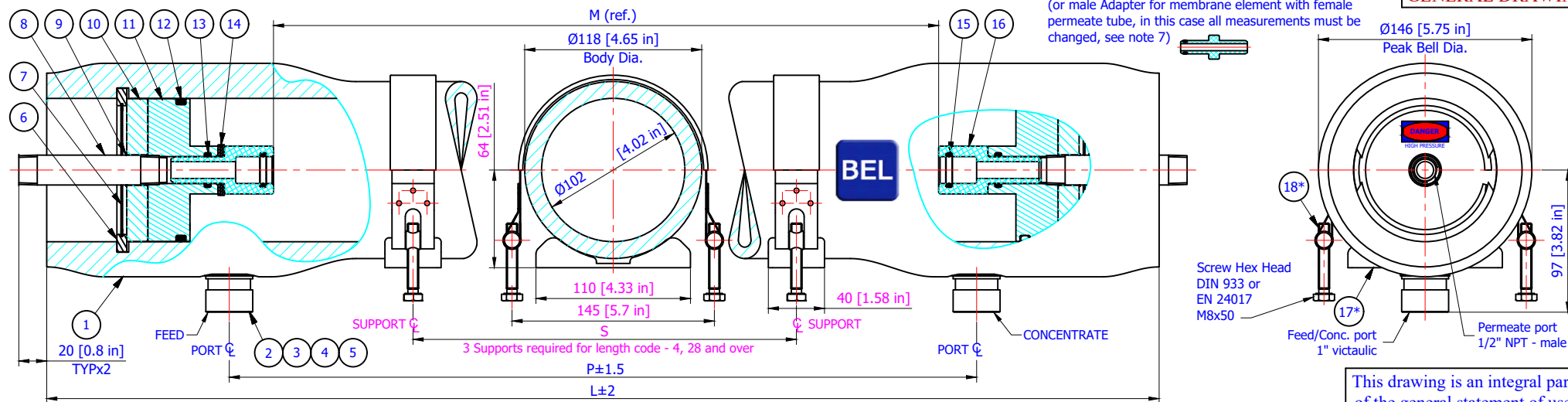


GENERAL DRAWING



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	799	540	180	485	7	40601-21
	31,5	21,3	7,09	19,1	15	
22	1332,5	1073,5	650	1018,5	10	40601-22
	52,5	42,3	25,59	40,1	22	
23	1866	1607	1200	1552	14	40601-23
	73,5	63,3	47,24	61,1	31	
24	2399,5	2140,5	1700	2085,5	17	40601-24
	94,5	84,3	66,93	82,1	37	
25	2934	2675	2200	2620	20	40601-25
	115,5	105,3	86,61	103,1	44	
26	3467,5	3208,5	2700	3153,5	24	40601-26
	136,5	126,3	106,30	124,2	53	
27	4002,5	3743,5	3200	3688,5	27	40601-27
	157,6	147,4	125,98	145,2	60	
28	4537	4278	3700	4223	31	40601-28
	178,6	168,4	145,67	166,3	68	
29	5072	4813	4200	4758	34	40601-29
	199,7	189,5	165,35	187,3	75	
30	5606,5	5347,5	4700	5292,5	37	40601-30
	220,7	210,5	185,04	208,4	82	
31	6142	5883	5200	5828	41	40601-31
	241,8	231,6	204,72	229,4	90	
32	6675,5	6416,5	5700	6361,5	44	40601-32
	262,8	252,6	224,41	250,5	97	

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	1284	1024	620	1020	970	10	41600-1
	50,6	40,3	24	40,2	38,2	22	
2	2300	2040	1550	2036	1986	16	41600-2
	90,6	80,3	61	80,2	78,2	35	
3	3316	3056	2550	3052	3002	23	41600-3
	130,6	120,3	100	120,2	118,2	51	
4	4332	4072	3250	4068	4018	29	41600-4
	170,6	160,3	128	160,2	158,2	64	
5	5349	5089	4250	5085	5035	36	41600-5
	210,6	200,4	167	200,2	198,2	79	
6	6367	6107	5250	6103	6053	42	41600-6
	250,7	240,4	207	240,3	238,3	93	

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	41600-0	1	Body of Pressure Vessel	Glass/Epoxy
2	009-106-0450	2	Sideport 1"	Stainless steel
3	006-116-1202	2	Disk for Sideport 1"	Stainless steel
4	014-100-0505	2	Seal for Sideport 1"	EPDM
5	011-100-1202	4	R.Ring for Sideport 1"	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 tube	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	Engineering plastic

Vessel support parts - optional -

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

	TITLE: BEL4-S(1")-600 psi. RO PRESSURE VESSEL		DESIGN	VMLS	29/08/2025
			CHECK	SRS	29/08/2025
DRAWING NO:	BEL4-S(1")-600		APPR.	VMLS	29/08/2025
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.: 3

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:

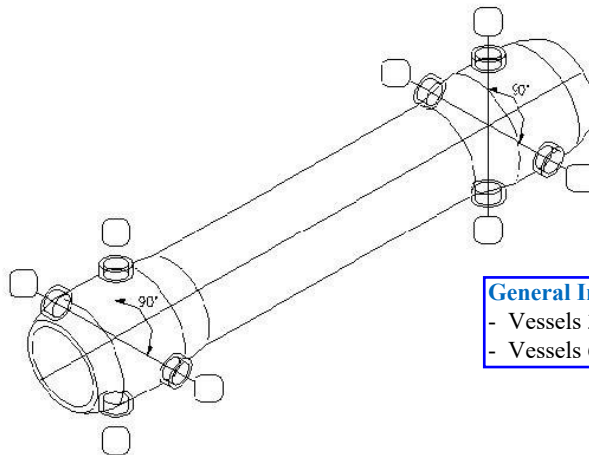
Customer name:

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