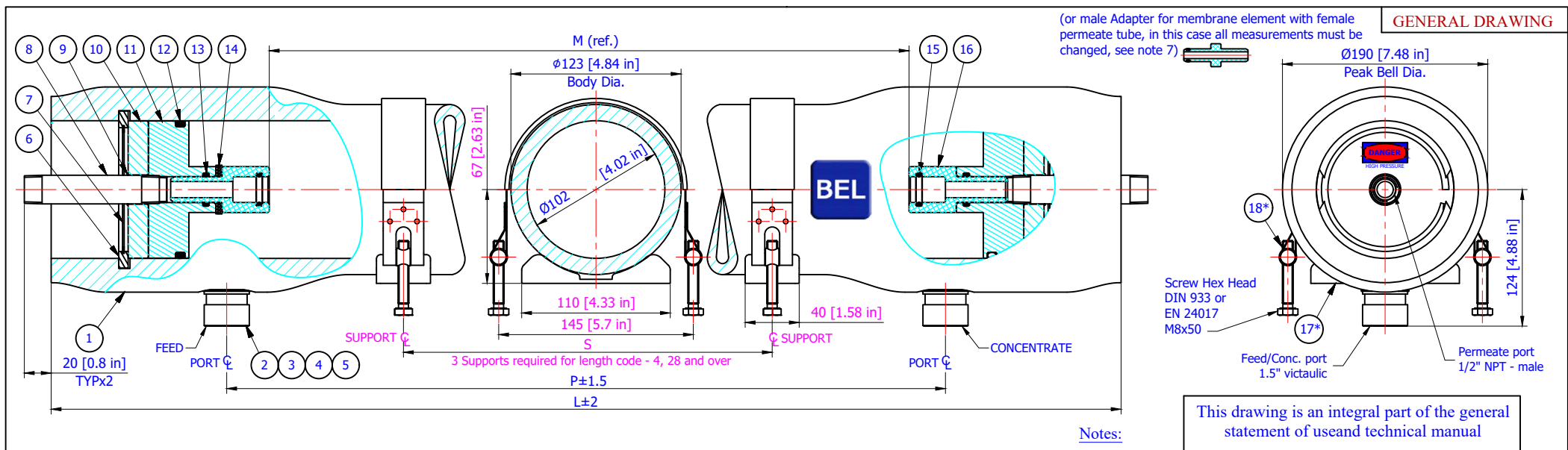




Shell length code	L (l.o.a.) mm. inch	P (port to port) mm. inch	S # (span) mm. inch	M, mm/in length for membranes elements	W weight kg. lb.	Article number
22	1375	1092	420	1019	24	421001-22
	54,1	43,0	16,54	40,1	53	
23	1908	1626	950	1552	28	421001-23
	75,1	64,0	37,40	61,1	62	
24	2442	2159	1400	2086	32	421001-24
	96,1	85,0	55,12	82,1	71	
25	2976	2694	1900	2620	36	421001-25
	117,2	106,1	74,80	103,1	79	
26	3510	3228	2400	3154	40	421001-26
	138,2	127,1	94,49	124,2	88	
27	4045	3762	2900	3689	44	421001-27
	159,3	148,1	114,17	145,2	97	
28	4579	4297	3400	4223	49	421001-28
	180,3	169,2	133,86	166,3	108	
29	5114	4832	3900	4758	53	421001-29
	201,3	190,2	153,54	187,3	117	
30	5649	5367	4400	5293	57	421001-30
	222,4	211,3	173,23	208,4	126	
31	6184	5902	4900	5828	61	421001-31
	243,5	232,4	192,91	229,4	135	
32	6718	6435	5400	6362	65	421001-32
	264,5	253,3	212,60	250,5	143	

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	1326	1044	380	1020	970	27	421000-1
	52,2	41,1	15	40,2	38,2	60	
2	2342	2060	1350	2036	1986	35	421000-2
	92,2	81,1	53	80,2	78,2	77	
3	3358	3076	2300	3052	3002	43	421000-3
	132,2	121,1	91	120,2	118,2	95	
4	4374	4092	3250	4068	4018	51	421000-4
	172,2	161,1	128	160,2	158,2	112	
5	5391	5109	4250	5085	5035	59	421000-5
	212,2	201,1	167	200,2	198,2	130	
6	6409	6127	5250	6103	6053	67	421000-6
	252,3	241,2	207	240,3	238,3	148	

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 1000 psi. (69 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 65°C (150°F).

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	421000-0	1	Body of Pressure Vessel	Glass/Epoxy	
2	040-155-1204	2	Sideport 1.5"	Super Duplex Stainless steel	
3	014-150-0506	2	Seal for Sideport 1.5"	EPDM	
4	006-156-1203	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	
	BEL4-S(1.5")-1000 psi. RO PRESSURE VESSEL		DESIGN	VMLS	28/08/2025
			CHECK	SRS	28/08/2025
			APPR.	VMLS	28/08/2025
DRAWING NO. BEL4-S(1.5")-1000			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.: 6

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:

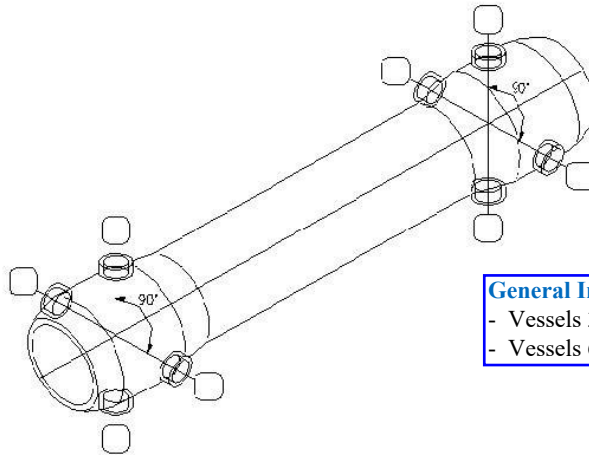
Customer name:

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