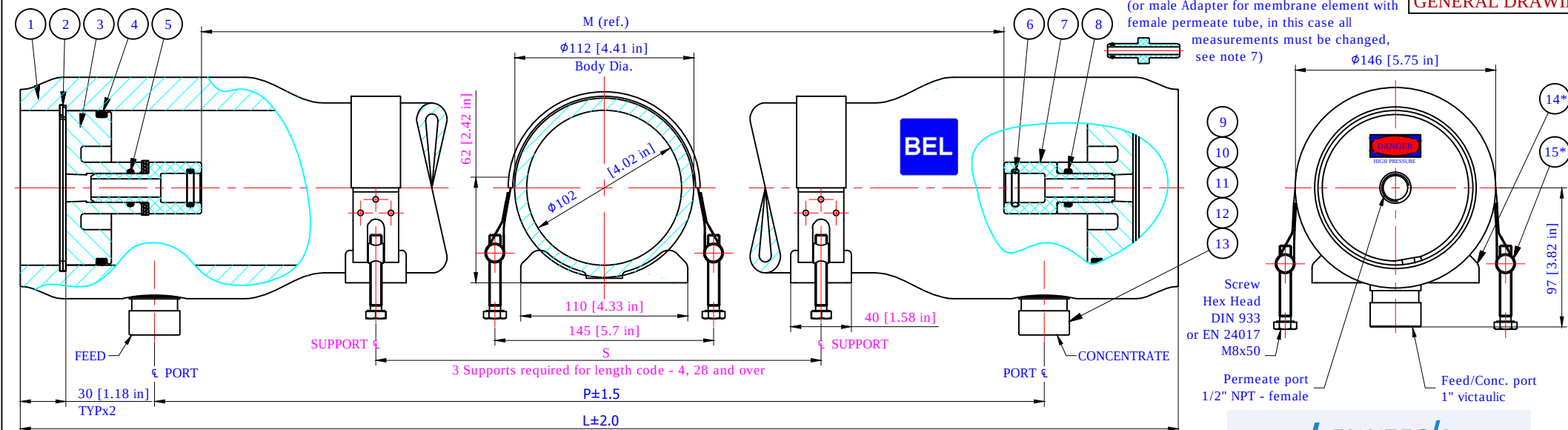




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Notes:

- All dimensions are for reference only, not for construction unless certified.
- * - Item 14 & 15 are optional. Delivered upon request. Priced separately.
- Drawing unit: mm. (inches).
- Saddles can be shimmed if required.
- Do not scale drawing, may be reprinted on any paper size or copied.
- The vessel is supplied with two strap assembly.
- For further information please contact BEL

Item	Part number	Q-ty	Title	Material
1	41300-0	1	Body of Pressure Vessel	Glass/Epoxy
2	55410208	2	Retaining ring	316 stainless steel
3	003-400-0005	2	Base plate	Engineering plastic
4	55412360	2	Seal for base plate	EPDM
5	55412377	0-6	Disk spacer	Engineering plastic
6	As required	2	Membrane seal	EPDM
7	As required	2	Adapter	Engineering plastic
8	55412367	2	Seal for Adapter	EPDM
9	009-106-0450	2	F/C Port	316 stainless steel
10	014-100-0505	2	Seal for F/C Port	EPDM
11	006-112-1202	2	Disk for F/C Port	304 stainless steel
12	011-100-1202	2	Retaining ring	316 stainless steel
13	55412368	2	Retaining ring	316 stainless steel

-Vessel support parts -optional -

14 *	55410352	2-3	Saddle	Engineering plastic
15 *	55410246	2	Strap	316 stainless steel

BEL	TITLE		DESIGN	NAME	DATE
	BEL 4-S-300 psi. RO PRESSURE VESSEL		CHECK	Yuri V.	30/07/2014
DRAWING No.			APPR.	Ari A.	30/07/2014
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Shell length code	L (l.o.a.) mm. inch	P port to port, mm. Inch	S # (span) mm. inch	M, mm/in length for membrane elements	W weight kg. lb.	Article number
21	715 28.1	540 21.3	410 16	485 19.1	6 12	41301-21
22	1248.5 49.2	1073.5 42.3	940 37	1018.5 40.1	8 18	41301-22
23	1782 70.2	1607 63.3	1480 58	1552 61.1	11 24	41301-23
24	2315.5 91.2	2140.5 84.3	2000 79	2085.5 82.1	13 29	41301-24
25	2850 112.2	2675 105.3	2540 100	2620 103.1	16 35	41301-25
26	3383.5 133.2	3208.5 126.3	3070 121	3153.5 124.2	18 41	41301-26
27	3918.5 154.3	3743.5 147.4	3600 142	3688.5 145.2	21 46	41301-27
28	4453 175.3	4278 168.4	4140 163	4223 166.3	24 52	41301-28
29	4988 196.4	4813 189.5	4670 184	4758 187.3	26 58	41301-29
30	5522.5 217.4	5347.5 210.5	5200 205	5292.5 208.4	29 63	41301-30
31	6058 238.5	5883 231.6	5740 226	5828 229.4	31 69	41301-31
32	6591.5 259.5	6416.5 252.6	6270 247	6361.5 250.5	34 75	41301-32

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 47.2	1025 40.4	710 28	1020 40.2	970 38.2	8 17
2	2216 87.2	2041 80.4	1550 61	2036 80.2	1986 78.2	13 28
3	3232 127.2	3057 120.4	2550 100	3052 120.2	3002 118.2	18 39
4	4248 167.2	4073 160.4	3250 128	4068 160.2	4018 158.2	23 50
5	5265 207.3	5090 200.4	4250 167	5085 200.2	5035 198.2	28 61
6	6283 247.4	6108 240.5	5250 207	6103 240.3	6053 238.3	32 71

Warning.

- Never pressurize a pressure vessel that was not loaded with membrane elements.
- Wrong manifolding may cause an excessive pressure on port what can lead to leaks.
- Max. allowable working pressure not to exceed 300 psi. (20.7 bar).
- Permeate internal pressure not to exceed 125 psi. (8.6 bar).
- Operating temperature not to exceed 49°C (120°F).