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#### Notes:

- All dimensions are for reference only, not for construction unless certified.
- \* - Item 18 & 19 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

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
1	799 31.5	539 21.2	410 16	485 19.1	9 19	401001-21
2	1333 52.5	1072.5 42.2	940 37	1018.5 40.1	13 30	401001-22
3	1866 73.5	1606 63.2	1480 58	1552 61.1	18 40	401001-23
4	2400 94.5	2139.5 84.2	2000 79	2085.5 82.1	23 50	401001-24
5	2934 115.5	2674 105.3	2540 100	2620 103.1	27 60	401001-25
6	3468 136.5	3207.5 126.3	3070 121	3153.5 124.2	32 70	401001-26
7	4003 157.6	3742.5 147.3	3600 142	3688.5 145.2	37 81	401001-27
8	4537 178.6	4277 168.4	4140 163	4223 166.3	41 91	401001-28
9	5072 199.7	4812 189.4	4670 184	4758 187.3	46 101	401001-29
10	5607 220.7	5346.5 210.5	5200 205	5292.5 208.4	50 111	401001-30
11	6142 241.8	5882 231.6	5740 226	5828 229.4	55 121	401001-31
12	6676 262.8	6415.5 252.6	6270 247	6361.5 250.5	60 131	401001-32

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	1284 50.6	1024 40	710 28	1020 40.2	970 38.2	13 29
2	2300 90.6	2040 80	1550 61	2036 80.2	1986 78.2	22 48
3	3316 130.6	3056 120	2550 100	3052 120.2	3002 118.2	31 67
4	4332 170.6	4072 160	3250 128	4068 160.2	4018 158.2	39 87
5	5349 210.6	5089 200	4250 167	5085 200.2	5035 198.2	48 106
6	6367 250.7	6107 240	5250 207	6103 240.3	6053 238.3	57 126

#### 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 1000 psi. (69 bar).
- Permeate internal pressure not to exceed 125 psi. (8.6 bar).
- Operating temperature not to exceed 49°C (120°F).

Item	Part number	Q-ty	Title	Material
1	411000-0	1	Body of Pressure Vessel	Glass/Epoxy
2	009-107-1200	2	Side Port 1"	Super Duplex Stainless Steel
3	006-116-1202	2	Disk for port	Stainless steel
4	014-100-0505	2	Seal for side port	EPDM
5	011-100-1202	2	Retaining ring for port	316 stainless steel
6	55412368	2	Retaining ring for port	316 stainless steel
7	005-461-1200	2	Support ring	Aluminum
8	011-401-1202	2	Retaining ring for S.ring	316 stainless steel
9	008-400-1215	2	Permeate tube	Engineering plastic
10	55412369	2	Retaining ring for p.port	316 stainless steel
11	003-420-1215	2	Base plate	Aluminum
12	003-400-0005	2	Sealing plate	Engineering plastic
13	55412360	2	Seal for sealing plate	EPDM
14	55412367	2	Seal for Adapter	EPDM
15	55412377	0-6	Disk spacer	Engineering plastic
16	As required	2	Membrane seal	EPDM
17	As required	2	Adapter	Engineering plastic

#### - Vessel support parts - optional -

18*	55410352	2-3	Saddle	Engineering plastic
19*	55410246	2	Strap	316 stainless steel

BEL	TITLE	DESIGN	NAME	DATE
	BEL 4-(Sx1")-1000 psi. RO PRESSURE VESSEL	CHECK	Yuri V.	30/07/2014
DRAWING No.	BEL 4-S-1000	APPR.	Ari A.	30/07/2014
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				REV.: 3