



GENERAL DRAWING

This drawing is an integral part of the general statement of use and technical manual

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

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	411000-1
	2300 90.6	2040 80	1550 61	2036 80.2	1986 78.2	
2	3316 130.6	3056 120	2550 100	3052 120.2	3002 118.2	411000-3
	4332 170.6	4072 160	3250 128	4068 160.2	4018 158.2	
3	5349 210.6	5089 200	4250 167	5085 200.2	5035 198.2	411000-5
	6367 250.7	6107 240	5250 207	6103 240.3	6053 238.3	

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 49°C (120°F).

Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. * - Item 18 & 19 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 is supplied with two strap assembly.
7. For further information please contact BEL

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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