



Item	Part number	Q-ty	Title	Material
1	16-4-600	1	Body of PV	GFRP
2	044-406-0601	2	Side port 4"	Stainless steel
3	285772409	4	Retaining ring	Stainless steel
4	006-406-1203	2	Disk for port	Stainless steel
5	014-400-0709	2	Seal for port	EPDM
6	005-661-0600	2	Support ring	Aluminum
7	003-165-0600	2	Base plate	Aluminum
8	007-402-0084	2	Seal for S.plate	EPDM
9	013-165-1200	2	Sealing plate	Engineering plastic
10	011-420-1202	2	Retaining ring	Stainless steel
11	007-112-0053	2	Seal for P.port	EPDM
12	008-160-0604	2	Permeate port	Engineering plastic
13	004-165-1041	1	Thrust ring	Engineering plastic
14	007-085-0053	2	Seal for adapter	EPDM
15	As required	2	Adapter	Engineering plastic
16	As required	2	Membrane seal	EPDM
17	010-160-9001	3	Spacer 1mm.	Engineering plastic
18	010-160-9005	2-8	Spacer 5mm.	Engineering plastic
19	016-002-0820	6	Socket screw	Stainless steel
20	015-160-0001	2	Strap assy.	Stainless steel
21	012-160-0000	2-3	Saddle	Engineering plastic
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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	M, length for membrane elements, mm. / inch	S # (span) mm. inch	W weight kg. lb.
1	2171	1407	1107	700	280
	85.47	55.39	43.6	27.6	618
2	3203	2439	2139	1700	314
	126.10	96.02	84.2	66.9	693
3	4235	3471	3171	2700	348
	166.73	136.65	124.8	106.3	768
4	5267	4503	4203	3420	382
	207.36	177.28	165.5	134.6	843
5	6299	5535	5235	4450	416
	247.99	217.91	206.1	175.2	918
6	7331	6567	6267	5470	450
	288.62	258.54	246.7	215.4	993
7	8363	7599	7299	6500	484
	329.25	299.17	287.4	255.9	1068
8	9395	8631	8331	7530	518
	369.88	339.80	328	296.5	1142

Notes:

- All dimensions are for reference only, not for construction unless certified. Dimensions L, P, M can be varied according to exact membrane type.
- Item 17 & 18 should be located on feed side for membranes shimming.
- Item 13 downstream only.
- Item 19 - closing torque not to exceed 2 Nm.
- Drawing unit: mm. (inches).
- Saddles can be shimmed if required.
- The vessel is supplied with two straps for external saddles.
- Do not scale drawing, may be reprinted on any paper size or copied.

Warning:

- Never pressurize a pressure vessel that was not loaded with membrane elements.
- Wrong manifold may cause an excessive pressure on port what can lead to leaks.
- Max. allowable working pressure not to exceed 600 psi. (41.4 bar).
- Permeate internal pressure not to exceed 125 psi. (8.6 bar).
- Operating temperature not to exceed 49°C (120°F).

BEL	TITLE	BEL 16-s(2x4)-600 psi.	DESIGN	Daria P.	15/08/2014
		RO PRESSURE VESSEL	CHECK	Yuri V.	15/08/2014
	DRAWING NO.	16s4-600	APPR.	Ari A.	15/08/2014
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