



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

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Item	Part number	Q-ty	Title	Material
1	16-0-600	1	Body of PV	GFRP
2	009-306-0600	2	End port 3"	Stainless steel
3	011-300-1202	4	Retaining ring	Stainless steel
4	007-089-0035	2	Seal for port	EPDM
5	005-661-0600	2	Support ring	Aluminum
6	003-165-0603	2	Base plate	Aluminum
7	007-402-0084	2	Seal for S.plate	EPDM
8	011-420-1202	2	Retaining ring	Stainless steel
9	007-112-0053	2	Seal for P.port	EPDM
10	013-165-1200	2	Sealing plate	Engineering plastic
11	008-160-0603	2	Permeate port	Engineering plastic
12	004-165-1040	1	Thrust ring	Engineering plastic
13	007-099-0053	2	Seal for adapter	EPDM
14	As required	2	Adapter	Engineering plastic
15	As required	2	Membrane seal	EPDM
16	010-160-9001	3	Spacer 1mm.	Engineering plastic
17	010-160-9005	2-8	Spacer 5mm.	Engineering plastic
18	016-002-0845	6	Socket screw	Stainless steel
19	015-160-0000	2	Strap assy.	Stainless steel
20	012-160-0000	2-3	Saddle	Engineering plastic
21				

Shell length code	L (l.o.a.), mm. inch	M, length for membrane elements, mm. / inch	S # (span) mm. inch	W weight kg. lb.
1	1931	1107	460	165
	76.02	43.6	18.1	363
2	2963	2139	1460	199
	116.65	84.2	57.5	438
3	3995	3171	2460	233
	157.28	124.8	96.9	513
4	5027	4203	3180	267
	197.91	165.5	125.2	588
5	6059	5235	4210	301
	238.54	206.1	165.7	663
6	7091	6267	5230	334
	279.17	246.7	205.9	738
7	8123	7299	6260	368
	319.80	287.4	246.5	812
8	9155	8331	7290	402
	360.43	328	287.0	887

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 18 & 19 should be located on feed side for membranes shimming.
- Item 14 downstream only.
- Item 20 - 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 manifolding may effect an excessive pressure on port what can lead to leaks.
- Max. allowable working pressure not to exceed 600 psi. (41.3 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-E-600 psi. RO PRESSURE VESSEL	DESIGN	Daria P.	16/06/2011
	DRAWING NO.	16e600	CHECK	Yuri V.	16/06/2011
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			Sheet 1 Of 1 REV.:PO		