

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

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Notes:


1. All dimensions are for reference only, not for construction unless certified.
2. Item 16 & 17 should be located on feed side for membranes shimming.
3. Item 20 & 21 downstream only.
4. Drawing unit: mm. (inches).
5. Membrane length correspond to 60" element, can be varied according to exact membrane type.
6. Saddles can be shimmed if required.
7. Do not scale drawing, may be reprinted on any paper size or copied.
8. The vessel is supplied with two strap assembly.

Warning:

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may effect an excessive pressure on port what can lead to leaks.
3. Max. allowable working pressure not to exceed 300 psi. (20.7 bar).
4. Permeate internal pressure not to exceed 232 psi. (16 bar).
5. Operating temperature not to exceed 49°C (120°F).

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	1939	1625	939	1507	64.9	93300-1
	76.34	63.98	36.97	59.33	143.0	
2	3443	2641	2420	3011	82.0	93300-2
	135.55	103.98	95.28	118.54	180.7	
3	4947	3657	3908	4515	99.1	93300-3
	194.76	143.98	153.86	177.76	218.4	
4	6451	4673	5412	6019	116.2	93300-4
	253.98	183.98	213.07	236.97	256.1	
5	7955	5689	6916	7523	133.3	93300-5
	313.19	223.98	272.28	296.18	293.8	
6	9459	6705	8420	9027	150.4	93300-6
	372.40	263.98	331.50	355.39	331.5	

Item	Part number	Q-ty	Title	Material
1	91300-0	1	Body of Pressure Vessel	Glass/Epoxy
2	040-156-0309	2	Side Port 1.5"	316 stainless steel
3	014-150-0506	2	Seal for side port	EPDM
4	011-150-1202	4	Retaining ring for side port	316 stainless steel
5	006-156-0452	2	Disk for port 1.5"	316 stainless steel
6	005-861-0309	2	Support ring	Aluminum
7	011-900-0002	2	Retaining ring	316 stainless steel
8	003-095-0300	2	Base plate	Aluminum
9	013-090-0300	2	Sealing plate	Engineering plastic
10	007-229-0069	2	Seal for Sealing plate	EPDM
11	007-064-0053	2	Seal for Permeate port	EPDM
12	008-903-0200	2	Permeate port	Engineering plastic
13	007-076-0035	2	Seal for Adapter	EPDM
14	As required	2	Adapter	Engineering plastic
15	As required	2	Membrane seal	EPDM
16	010-900-0001	0-4	Disk spacer - 1 mm.	Engineering plastic
17	010-900-0003	0-4	Disk spacer - 3 mm.	Engineering plastic
18	015-900-0000	2	Strap Assy.	316 stainless steel
19	012-900-0000	2	Saddle	Engineering plastic
20	001-160-0025	2	Thrust ring adapter	Engineering plastic
21	004-900-0325	2	Thrust ring	Engineering plastic
22	55412392	2	Retaining ring	316 stainless steel
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	TITLE		DESIGN	Daria P.	04/12/2011
	BEL 9-S(2x1.5")-300 psi. PRESSURE VESSEL		CHECK	Yuri V.	04/12/2011
	DRAWING No. BEL9-S(2x1.5")-300		APPR.	Ari A.	04/12/2011
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