



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

Notes:

- All dimensions are for reference only, not for construction unless certified.
- Item 16 & 17 should be located on feed side for membranes shimming.
- Item 20 & 21 downstream only.
- Drawing unit: mm. (inches).
- Membrane length correspond to 60" element, can be varied according to exact membrane type.
- 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.
- Vessel's ports diameters according to ANSI Standards.

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 300 psi. (20.7 bar).
- Permeate internal pressure not to exceed 232 psi. (16 bar).
- Operating temperature not to exceed 65°C (150°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	F/C port 1.5"	316 stainless steel
3	014-150-0506	2	Seal for side port	EPDM
4	011-150-1202	4	Retaining ring for port	316 stainless steel
5	006-156-0452	2	Disk for port	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 2"	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
23				
24				

	TITLE: BEL9-S-300 psi. PRESSURE VESSEL	DESIGN	DMG	21/03/2022
		CHECK	JME	21/03/2022
DRAWING NO: BEL9-S-300		APPR.	MAF	21/03/2022

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