



Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. For membranes shimming (if needed) use disks spacers on feed side of the vessels.
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. Ports with special height (H) in vessel and Length between ports (P) can be changed to adapt old dimension - with customer's special request.
8. Storage & installation: Indoor.
9. Vessel's Port diameters, according to ANSI Standards.

Membranes quantity	Length between ports, supports & internal space for membranes elements, mm./inch							
	1	2	3	4	5	6	7	8
P, port to port	1194	2210	3226	4242	5258	6274	7290	8306
	47	87	127	167	207	247	287	327
S, supports span	500	1500	2500	3250	4250	5250	6250	7250
	19.7	59.1	98.4	128	167.3	206.7	246.1	285.4
M, space of membranes	1032	2048	3064	4080	5096	6112	7128	8144
	40.6	80.6	120.6	160.6	200.6	240.6	280.6	320.6

B (Peak bell diameter), mm./inch					
Side port dia.	1.5"	2"	2.5"	3"	4"
1500 (103.4)	292	302	305	312	318
	11.50	11.89	12.01	12.28	12.52

Membranes quantity	L (Length of pressure vessels), mm./inch							
	1	2	3	4	5	6	7	8
1500 (103.4)	1704	2720	3736	4752	5768	6784	7800	8816
	67.1	107.1	147.1	187.1	227.1	267.1	307.1	347.1

H (Height of side port), mm./inch					
Side port dia.	1.5"	2"	2.5"	3"	4"
1500 (103.4)	183	183	183	183	188
	7.20	7.20	7.20	7.20	7.40

Warning.

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may cause an excessive load on port what can lead to leaks.
3. Max. allowable working pressure not to exceed 1500 psi. (103.4 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 65°C (150°F).

This drawing is an integral part of the general statement of use and Technical Manual

BEL	TITLE: BEL 8" Side Port 1500 psi. RO PRESSURE VESSEL	DESIGN	DMG	04/05/2020
	DRAWING NO: BEL8-S-PV-1500	CHECK	JME	04/05/2020
		APPR.	MAF	04/05/2020
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