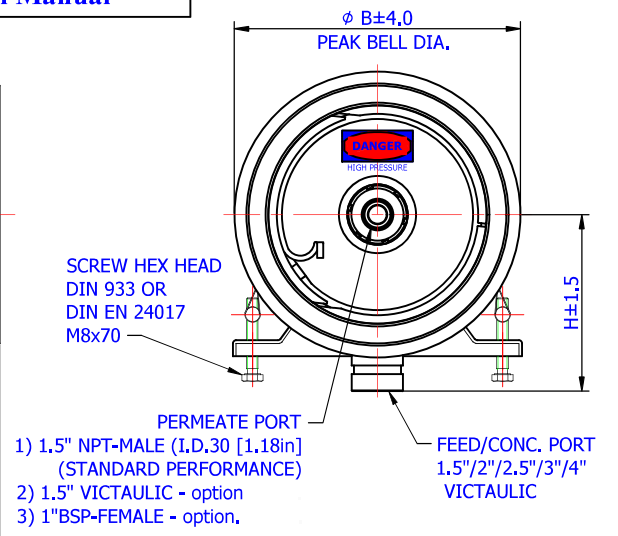


This drawing is an integral part of the general statement of use and Technical Manual



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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
S, supports span	47	87	127	167	207	247	287	327
M, space of membranes	500	1500	2500	3250	4250	5250	6250	7250
	19.7	59.1	98.4	128	167.3	206.7	246.1	285.4
	1032	2048	3064	4080	5096	6112	7128	8144
	40.6	80.6	120.6	160.6	200.6	240.6	280.6	320.6

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.

* Ports with special height (H) in vessel and Length between ports (P) can be changed to adapt old dimension - with customer's special request.
** NC (Non Code)

Membranes quantity	L (Length of pressure vessels), mm./inch							
	1	2	3	4	5	6	7	8
300 NC** (20.7)	1526	2542	3558	4574	5590	6606	7622	8638
300 code (20.7)	60.08	100.08	140.08	180.08	220.08	260.08	300.08	340.08
450 (31)	1542	2558	3574	4590	5606	6622	7638	8654
450 (31)	60.71	100.71	140.71	180.71	220.71	260.71	300.71	340.71
600 (41.4)	1566	2582	3598	4614	5630	6646	7662	8678
600 (41.4)	61.65	101.65	141.65	181.65	221.65	261.65	301.65	341.65
1000 (69)	1612	2628	3644	4660	5676	6692	7708	8724
1000 (69)	63.46	103.46	143.46	183.46	223.46	263.46	303.46	343.46
1200 (82.7)	1652	2668	3684	4700	5716	6732	7748	8764
1200 (82.7)	65.04	105.04	145.04	185.04	225.04	265.04	305.04	345.04

Working pressure, psi (bar)	B (Peak bell diameter), mm./inch				
	Side port dia. 1.5"	2"	2.5"	3"	4"
300 (20.7)	249	257	265	282	288
300 (20.7)	9.80	10.12	10.43	11.10	11.34
450 (31)	249	257	266	282	288
450 (31)	9.80	10.12	10.47	11.10	11.34
600 (41.4)	254	268	278	290	298
600 (41.4)	10.00	10.55	10.94	11.42	11.73
1000 (69)	276	286	291	301	312
1000 (69)	10.87	11.26	11.46	11.85	12.28
1200 (82.7)	278	288	292	303	314
1200 (82.7)	10.94	11.34	11.50	11.93	12.36
1500 (103.4)	292	302	305	312	318
1500 (103.4)	11.50	11.89	12.01	12.28	12.52

Working pressure, psi (bar)	H (Height of side port), mm./inch				
	Side port dia. 1.5"	2"	2.5"	3"	4"
300 (20.7)	166	166	166	166	175
300 (20.7)	6.54	6.54	6.54	6.54	6.89
450 (31)	166	166	166	166	175
450 (31)	6.54	6.54	6.54	6.54	6.89
600 (41.4)	171	171	171	171	180
600 (41.4)	6.73	6.73	6.73	6.73	7.09
1000 (69)	175	175	175	175	183
1000 (69)	6.89	6.89	6.89	6.89	7.20
1200 (82.7)	175	175	175	175	183
1200 (82.7)	6.89	6.89	6.89	6.89	7.20
1500 (103.4)	183	183	183	183	188
1500 (103.4)	7.20	7.20	7.20	7.20	7.4

Warning.

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may effect an excessive load on port what can lead to leaks.
3. Max. allowable pressure not to exceed the indicated working pressure.
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 49°C (120°F).

BEL	TITLE: BEL8 8" Side Port RO PRESSURE VESSEL	DESIGN	DMG	20/06/2017
	DRAWING NO: BEL8-S-PV	CHECK	JMEP	20/06/2017
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				REV.: 11