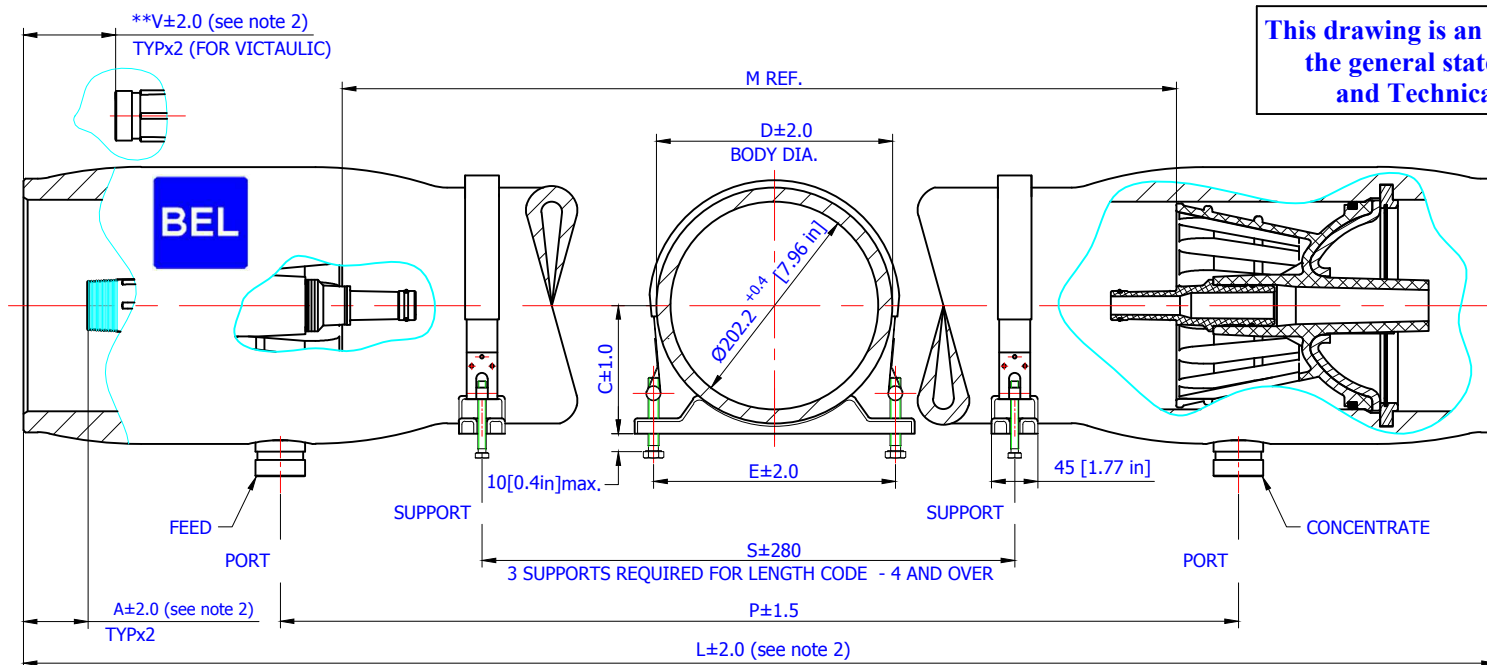




This drawing is an integral part of
the general statement of use
and Technical Manual

SCREW HEX HEAD
DIN 933 OR
DIN EN 24017
M8x70

- PERMEATE PORT
1) 1.5" NPT-MALE (I.D.30 [1.18in])
(STANDARD PERFORMANCE)
2) 1.5" VICTAULIC - option
3) 1" BSP-FEMALE - option.
- FEED/CONC. PORT
1.5"/2"/2.5"/3"/4"
VICTAULIC

LENNTECH

info@lenntech.com Tel. +31-152-610-900
www.lenntech.com Fax. +31-152-616-289

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

Working pressure psi (bar)	A, mm / in.	V, mm / in.	C, mm / in.	D, mm / in.	E, mm / in.
LPC	2	29	117	214	229
290 (20)	0.08	1.14	4.61	8.43	9.02
300	2	29	117	214	229
(20.7)	0.08	1.14	4.61	8.43	9.02
450 (31)	9	36	118	216	229
	0.35	1.42	4.65	8.50	9.02
600	21	48	120	220	229
(41.4)	0.83	1.89	4.72	8.66	9.02
1000	45	72	122.5	225	236
(69)	1.77	2.83	4.82	8.86	9.29
1200	65	92	124.5	229	236
(82.7)	2.56	3.62	4.90	9.02	9.29
1500	88	115	127	234	236
(103.4)	3.46	4.53	5.00	9.21	9.29

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	710	1550	2550	3250	4250	5250	6250	7250
	28	61	100.4	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

Membranes quantity	L (Length of pressure vessels), mm./inch							
	1	2	3	4	5	6	7	8
LPC	1526	2542	3558	4574	5590	6606	7622	8638
290 (20)	60.08	100.08	140.08	180.08	220.08	260.08	300.08	340.08
300	1526	2542	3558	4574	5590	6606	7622	8638
(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
	60.71	100.71	140.71	180.71	220.71	260.71	300.71	340.71
600	1566	2582	3598	4614	5630	6646	7662	8678
(41.4)	61.65	101.65	141.65	181.65	221.65	261.65	301.65	341.65
1000	1612	2628	3644	4660	5676	6692	7708	8724
(69)	63.46	103.46	143.46	183.46	223.46	263.46	303.46	343.46
1200	1652	2668	3684	4700	5716	6732	7748	8764
(82.7)	65.04	105.04	145.04	185.04	225.04	265.04	305.04	345.04
1500	1698	2714	3730	4746	5762	6778	7794	8810
(103.4)	66.85	106.85	146.85	186.85	226.85	266.85	306.85	346.85

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).

B (Peak bell diameter), mm./inch					
Side port dia.	1.5"	2"	2.5"	3"	4"
LPC 290	246	250	258	273	280
(20)	9.69	9.84	10.16	10.75	11.02
300	249	257	265	282	288
(20.7)	9.80	10.12	10.43	11.10	11.34
450 (31)	249	257	266	282	288
	9.80	10.12	10.47	11.10	11.34
600	254	268	278	290	298
(41.4)	10.00	10.55	10.94	11.42	11.73
1000 (69)	276	286	291	301	312
(82.7)	10.87	11.26	11.46	11.85	12.28
1200	278	288	292	303	314
(82.7)	10.94	11.34	11.50	11.93	12.36
1500	292	302	305	312	318
(103.4)	11.50	11.89	12.01	12.28	12.52

H (Height of side port), mm./inch					
Side port dia.	1.5"	2"	2.5"	3"	4"
LPC 290	149.5	"	"	162.5	"
(20)	5.89	"	"	6.40	"
300	166	166	166	166	175
(20.7)	6.54	6.54	6.54	6.54	6.89
450 (31)	166	166	166	166	175
	6.54	6.54	6.54	6.54	6.89
600	171	171	171	171	180
(41.4)	6.73	6.73	6.73	6.73	7.09
1000 (69)	175	175	175	175	183
(82.7)	6.89	6.89	6.89	6.89	7.20
1200	175	175	175	175	183
(82.7)	6.89	6.89	6.89	6.89	7.20
1500	183	183	183	183	188
(103.4)	7.20	7.20	7.20	7.20	7.4

BEL	TITLE	BEL 8" Side Port RO PRESSURE VESSEL	Design	Daria P.	10/11/2011
	Drawn	Yuri V.	10/11/2011		
	Check	Ari A	10/11/2011		
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