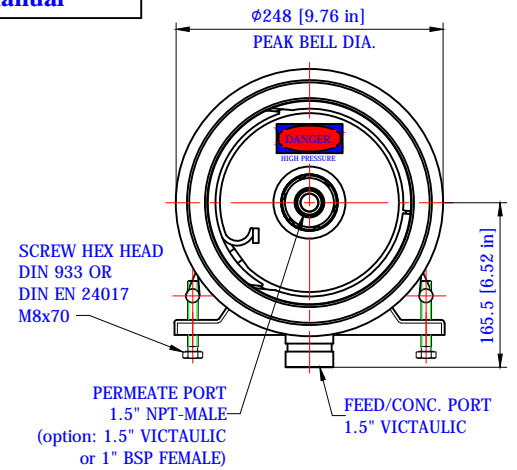
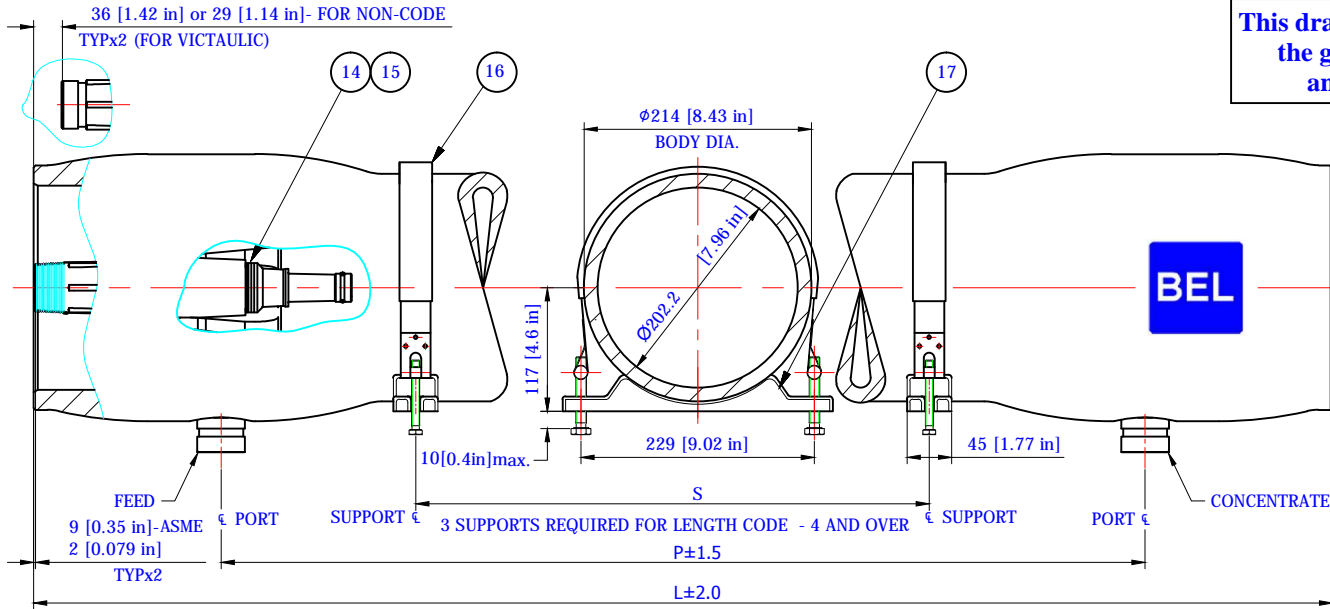


This drawing is an integral part of the general statement of use and Technical Manual



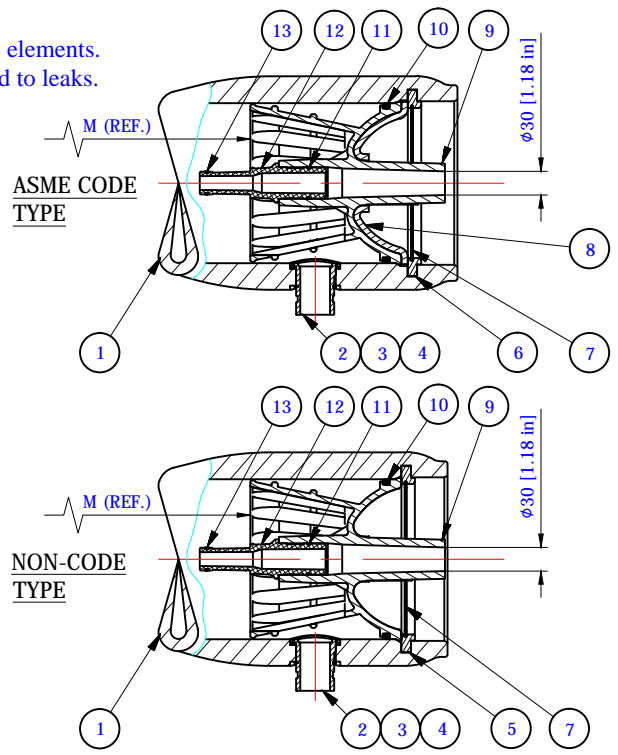
Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. Item 14 & 15 should be located on feed side.
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. Length between ports (P) can be changed to adapt old dimension - with customer's special request.
7. 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 load 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 125 psi. (8.6 bar).
5. Operating temperature not to exceed 49 °C (120°F).

Shell length code	L (l.o.a.) mm. inch	L ASME (l.o.a.) mm/in.	P, port to port mm. inch	S# (span) mm. inch	M, mm/in length for membranes elements	W weight kg. lb.	W ASME weight kg./lb.	Article number (ASME-stamp)
1	1526	1542	1194	710	1032	35.1	38.4	81300-1/(1A)
	60.1	60.7	47	28	40.6	77.3	84.7	
2	2542	2558	2210	1550	2048	44.7	48.1	81300-2/(2A)
	100.1	100.7	87	61	80.6	98.7	106	
3	3558	3574	3226	2550	3064	54.4	57.8	81300-3/(3A)
	140.1	140.7	127	100	120.6	120	127.4	
4	4574	4590	4242	3250	4080	64.1	67.4	81300-4/(4A)
	180.1	180.7	167	128	160.6	141.3	148.7	
5	5590	5606	5258	4250	5096	73.8	77.1	81300-5/(5A)
	220.1	220.7	207	167	200.6	162.6	170	
6	6606	6622	6274	5250	6112	83.4	86.8	81300-6/(6A)
	260.1	260.7	247	207	240.6	184	191.4	
7	7622	7638	7290	6250	7128	93.1	96.5	81300-7/(7A)
	300.1	300.7	287	246	280.6	205.3	212.7	
8	8638	8654	8306	7250	8144	102.8	106.1	81300-8/(8A)
	340.1	340.7	327	285	320.6	226.6	27	



Item	Part number	Q-ty	Title	Material
1	81300-0	1	Body of Pressure Vessel	Glass/Epoxy
2	040-156-0458	2	F/C Port 1.5"	Stainless steel
3	014-150-0506	2	Seal for side port	EPDM
4	011-150-1202	4	Retaining ring for side port	Stainless steel
5	285034015	2	Support ring - non code	Engineering plastic
6	55410299	2	Support ring	Aluminum
7	011-801-1202	2	Retaining ring (finger hook)	Stainless steel
8	285453003	2	Metal cap	Metal plate
9	285779010/v/g	2	End cap	Engineering plastic
10	007-080-0092	2	Seal for End cap	EPDM
11	285773918	2	Seal for Adapter	EPDM
12	As required	2	Adapter	Engineering plastic
13	As required	2-4	Membrane seal	EPDM
14	285779231	0-3	Disk spacer - 1 mm.	Engineering plastic
15	285779233	0-7	Disk spacer - 3 mm.	Engineering plastic
16	55410310	2	Strap Assy.	Stainless steel
17	55410351	2-3	Saddle	Engineering plastic
18				

BEL TITLE: BEL 8-S-300 psi. RO PRESSURE VESSEL

DESIGN: Daria P. 10/11/2011

CHECK: Yuri V. 10/11/2011

APPR. Ari A. 10/11/2011

DRAWING No. 8s15-300/300A

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REV.: 7