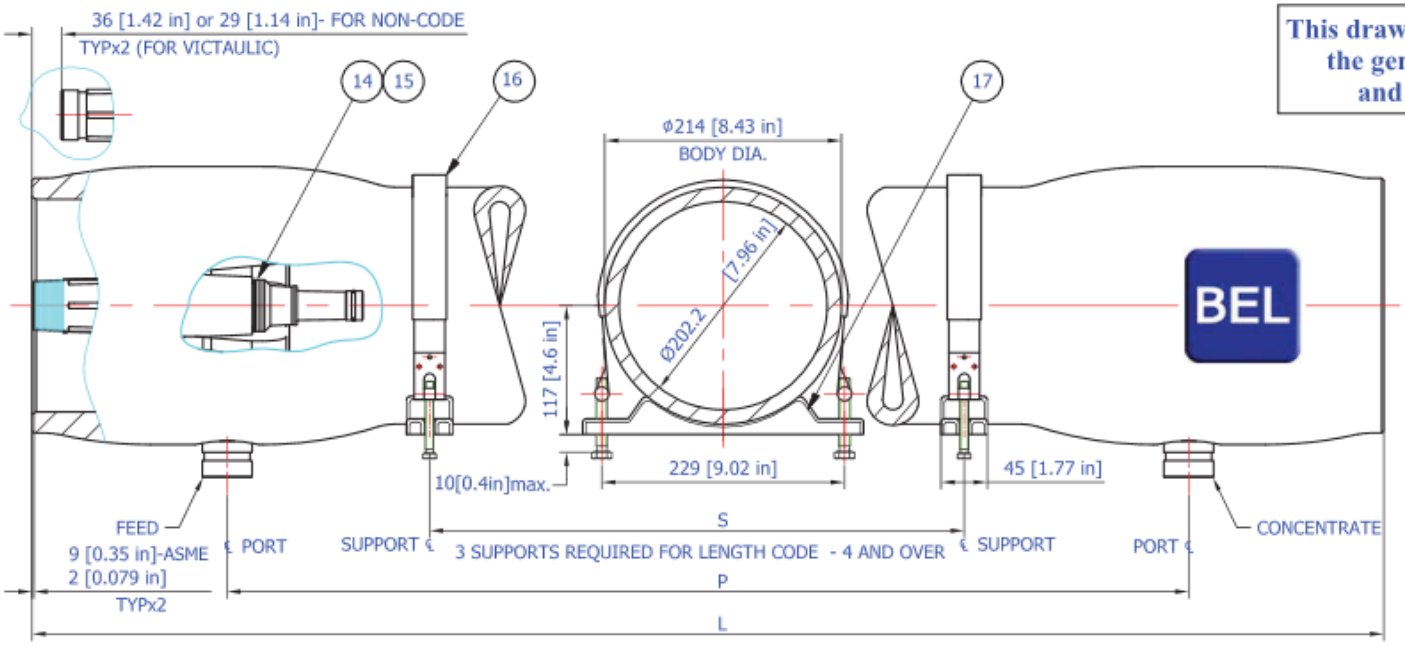
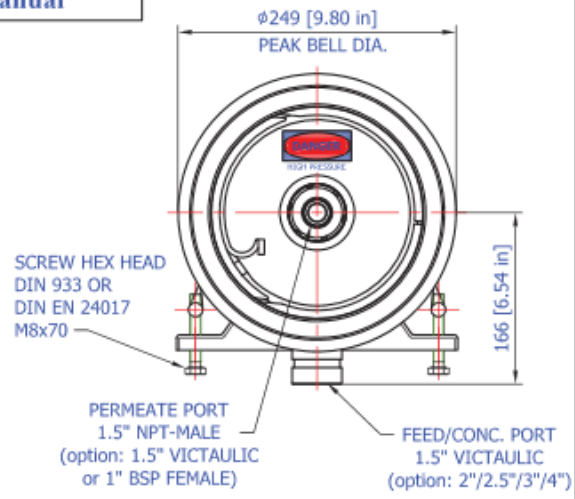
This drawing is an integral part of the general statement of use and Technical Manual

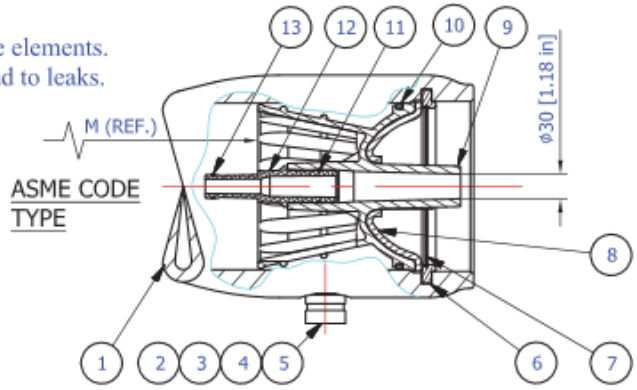


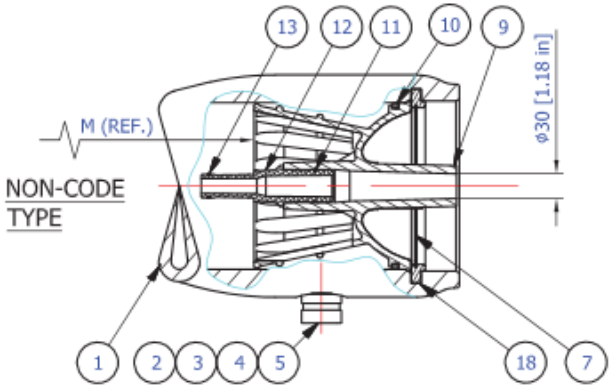


Warning.

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 300 psi. (20.7 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 65°C (150°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	500	1032	35.1	38.4	81300-1/(1A)
	60.1	60.7	47	20	40.6	77.3	84.7	
2	2542	2558	2210	1500	2048	44.7	48.1	81300-2/(2A)
	100.1	100.7	87	59	80.6	98.7	106	
3	3558	3574	3226	2500	3064	54.4	57.8	81300-3/(3A)
	140.1	140.7	127	98	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	





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.**
8. Storage & installation: Indoor.
9. **For tolerances & sizes, please check the drawing in page 2.**
10. **Vessel´s Port diameters, according to ANSI Standards.**

Item	Q-ty	Part Number	Description	Material
1	1	81300-0	Body of Pressure Vessel	Glass/Epoxy
2	2	040-156-0458	F/C port 1,5"	Stainless steel
3	2	006-156-0452	Disk for sideport	Stainless steel
4	2	014-150-0506	Seal for sideport	EPDM
5	4	011-150-1202	Retaining ring for SP	Stainless steel
6	2	55410299	Support ring (Coce)	Aluminum
7	2	011-801-1202	Retaining ring (finger hook)	Stainless steel
8	2	285453003	Metal cap 3mm (Code)	Stainless steel
9	2	285779010/vg	End cap	Engineering plastic
10	2	007-080-0092	Seal for End cap	EPDM
11	2	285773918	Seal for Adapter	EPDM
12	2	As required	Adapter	Engineering plastic
13	2-4	As required	Membrane seal	EPDM
14	0-3	285779231	Disk spacer - 1mm	Engineering plastic
15	0-7	285779233	Disk spacer - 3mm	Engineering plastic
16	2	55410310	Strap Assy.	Stainless steel
17	2-3	55410351	Saddle	Engineering plastic
18	2	285034015	Support ring (Non Code)	Engineering plastic

BEL	BEL8-S-300 psi. RO PRESSURE VESSEL	DESIGN	DMG 04/05/2020
		CHECK	JME 04/05/2020
BEL8-S(1.5")-300/300A		APPR.	MAF 04/05/2020

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