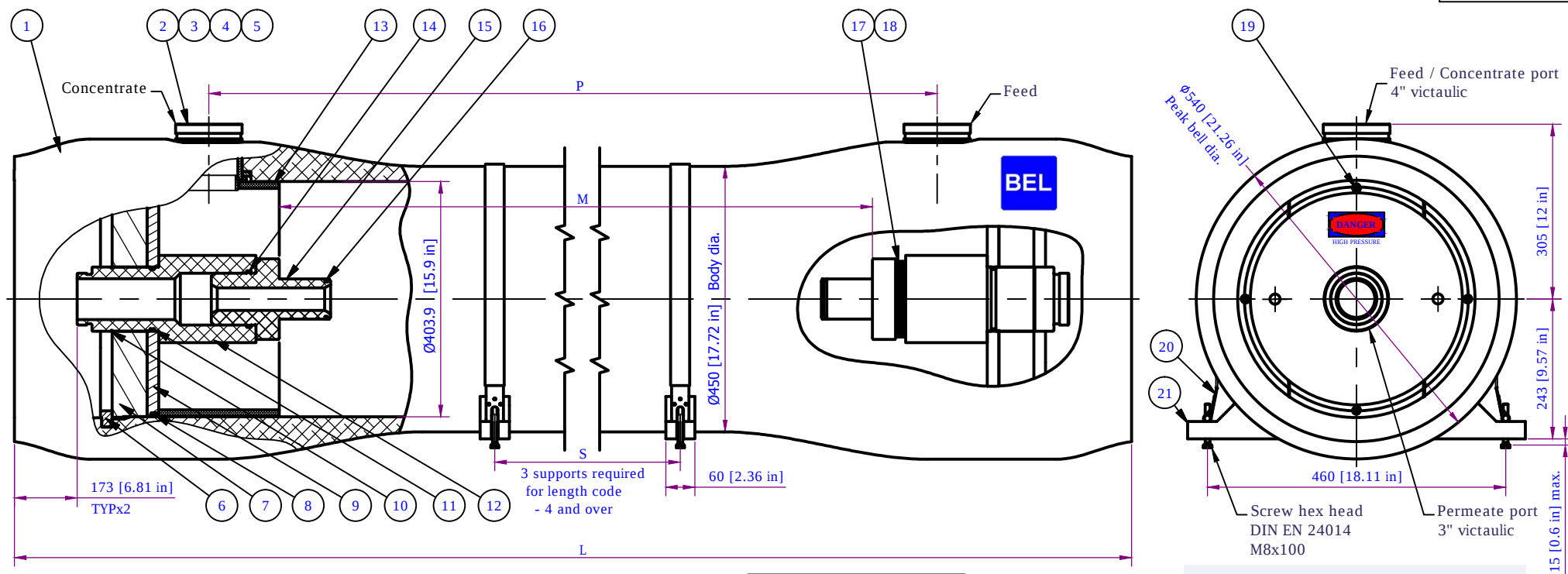




Item	Part number	Q-ty	Title	Material
1	16-4-1200	1	Body of PV	GFRP
2	044-405-1201	2	Side port 4"	Super duplex stainless steel
3	285772409	4	Retaining ring	Stainless steel
4	006-406-1205	2	Disk for port	Stainless steel
5	014-400-0709	2	Seal for port	EPDM
6	005-661-1200	2	Support ring	Aluminum
7	003-165-1200	2	Base plate	Aluminum
8	007-402-0084	2	Seal for S.plate	EPDM
9	013-165-1200	2	Sealing plate	Engineering plastic
10	011-420-1202	2	Retaining ring	Stainless steel
11	007-112-0053	2	Seal for P.port	EPDM
12	008-160-1204	2	Permeate port	Engineering plastic
13	004-165-1041	1	Thrust ring	Engineering plastic
14	007-085-0053	2	Seal for adapter	EPDM
15	As required	2	Adapter	Engineering plastic
16	As required	2	Membrane seal	EPDM
17	010-160-9001	3	Spacer 1mm.	Engineering plastic
18	010-160-9005	2-8	Spacer 5mm.	Engineering plastic
19	016-002-0845	8	Socket screw	Stainless steel
20	015-160-0000	2	Strap assy.	Stainless steel
21	012-160-0000	2-3	Saddle	Engineering plastic
22				
23				
24				

This drawing is an integral part of the general statement of use and technical manual

Shell length code	L (l.o.a.), mm. inch	P, port to port mm. inch	M, length for membrane elements, mm. / inch	S # (span) mm. inch	W weight kg. lb.
1	2303 90.67	1407 55.39	1107 43.6	700 27.6	401 884
2	3335 131.30	2439 96.02	2139 84.2	1700 66.9	465 1025
3	4367 171.93	3471 136.65	3171 124.8	2700 106.3	529 1166
4	5399 212.56	4503 177.28	4203 165.5	3420 134.6	593 1307
5	6431 253.19	5535 217.91	5235 206.1	4450 175.2	656 1448
6	7463 293.82	6567 258.54	6267 246.7	5470 215.4	720 1588
7	8495 334.45	7599 299.17	7299 287.4	6500 255.9	784 1729
8	9527 375.08	8631 339.80	8331 328	7530 296.5	848 1870

Notes:

- All dimensions are for reference only, not for construction unless certified. Dimensions L, P, M can be varied according to exact membrane type.
- Item 17 & 18 should be located on feed side for membranes shimming.
- Item 13 downstream only.
- Item 19 - closing torque not to exceed 2 Nm.
- Drawing unit: mm. (inches).
- Saddles can be shimmed if required.
- The vessel is supplied with two straps for external saddles.
- Do not scale drawing, may be reprinted on any paper size or copied.

Warning:

- Never pressurize a pressure vessel that was not loaded with membrane elements.
- Wrong manifolding may cause an excessive pressure on port what can lead to leaks.
- Max. allowable working pressure not to exceed 1200 psi. (82.7 bar).
- Permeate internal pressure not to exceed 125 psi. (8.6 bar).
- Operating temperature not to exceed 49°C (120°F).

BEL	TITLE	BEL 16-s(2x4)-1200 psi.	DESIGN	Daria P.	15/08/2014
		RO PRESSURE VESSEL	CHECK	Yuri V.	15/08/2014
	DRAWING NO.	16s4-1200	APPR.	Ari A.	15/08/2014
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Sheet 1 Of 1					REV.: 0

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