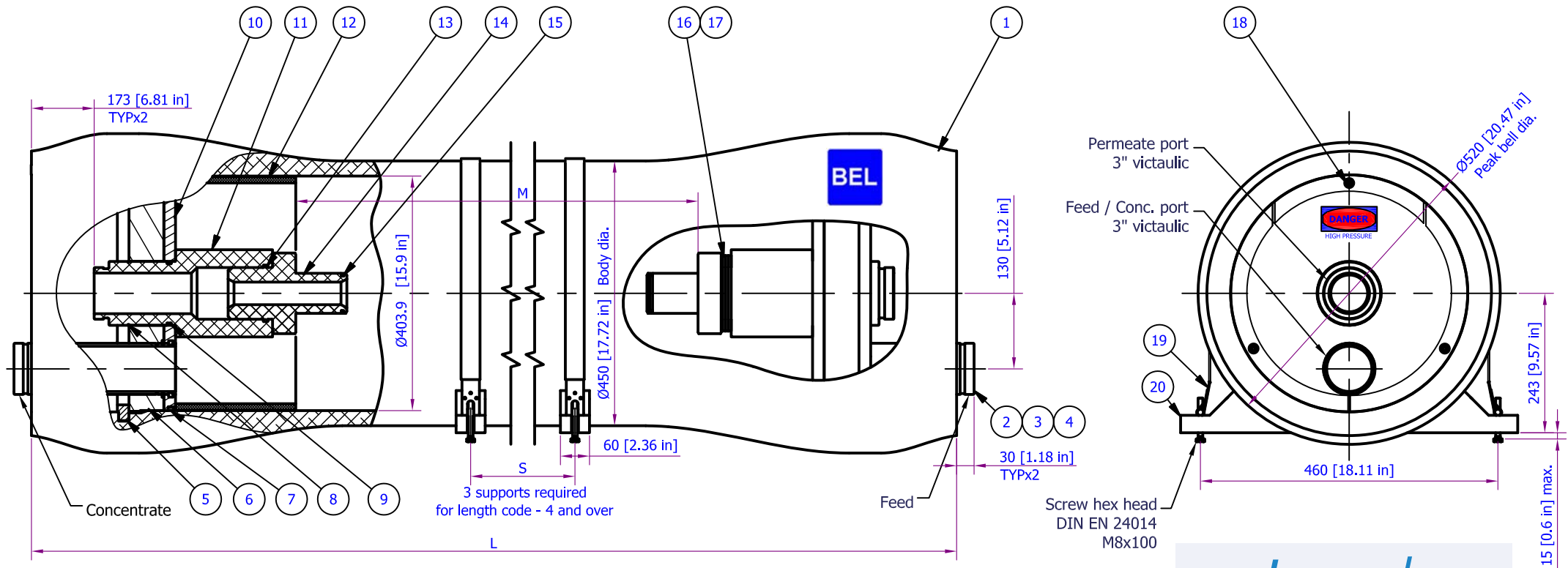




This drawing is an integral part
of the general statement of use
and technical manual

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Item	Part number	Q-ty	Title	Material
1	16-0-1200	1	Body of PV	GFRP
2	009-305-1200	2	End port 3"	Super duplex stainless steel
3	011-300-1202	4	Retaining ring	Stainless steel
4	007-089-0035	2	Seal for port	EPDM
5	005-661-1200	2	Support ring	Aluminum
6	003-165-1203	2	Base plate	Aluminum
7	007-402-0084	2	Seal for S.plate	EPDM
8	011-420-1202	2	Retaining ring	Stainless steel
9	007-112-0053	2	Seal for P.port	EPDM
10	013-165-1200	2	Sealing plate	Engineering plastic
11	008-160-1203	2	Permeate port	Engineering plastic
12	004-165-1040	1	Thrust ring	Engineering plastic
13	007-099-0053	2	Seal for adapter	EPDM
14	As required	2	Adapter	Engineering plastic
15	As required	2	Membrane seal	EPDM
16	010-160-9001	3	Spacer 1mm.	Engineering plastic
17	010-160-9005	2-8	Spacer 5mm.	Engineering plastic
18	016-002-0845	6	Socket screw	Stainless steel
19	015-160-0000	2	Strap assy.	Stainless steel
20	012-160-0000	2-3	Saddle	Engineering plastic
21				

Shell length code	L (l.o.a.), mm. inch	M, length for membrane elements, mm. / inch	S # (span) mm. inch	W weight kg. lb.
1	2063	1107	460	256
	81.22	43.6	18.1	565
2	3095	2139	1460	320
	121.85	84.2	57.5	706
3	4127	3171	2460	384
	162.48	124.8	96.9	847
4	5159	4203	3180	448
	203.11	165.5	125.2	988
5	6191	5235	4210	512
	243.74	206.1	165.7	1129
6	7223	6267	5230	576
	284.37	246.7	205.9	1270
7	8255	7299	6260	640
	325.00	287.4	246.5	1411
8	9287	8331	7290	704
	365.63	328	287.0	1551

Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. Dimensions L,P,M can be varied according to exact membrane type.
3. Item 18 & 19 should be located on feed side for membranes shimming.
4. Item 14 downstream only.
5. Item 20 - closing torque not to exceed 2 Nm.
6. Drawing unit: mm. (inches).
7. Saddles can be shimmed if required.
8. The vessel is supplied with two straps for external saddles.
9. Do not scale drawing, may be reprinted on any paper size or copied.

Warning:

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

BEL	TITLE	BEL 16-E-1200 psi.	DESIGN	Daria P.	16/06/2011
		RO PRESSURE VESSEL	CHECK	Yuri V.	16/06/2011
	DRAWING NO.	16e1200	APPR.	Ari A.	16/06/2011
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