GENERAL DRAWING

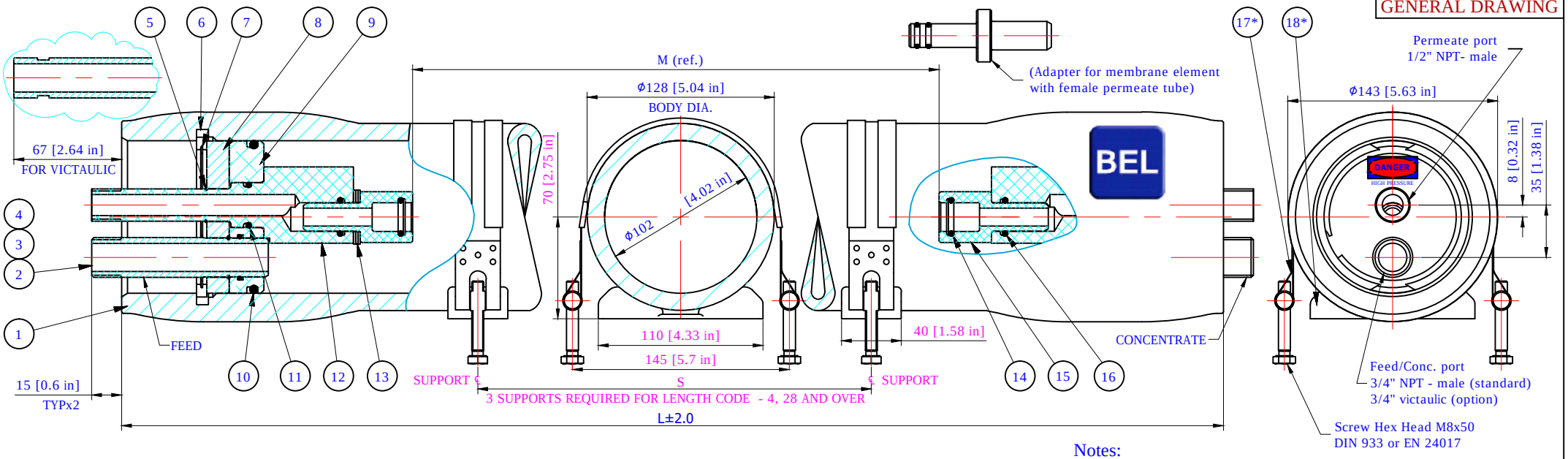

Table №1 for membrane length 21" (533.4mm.).
Table №2 for membrane length 40" (1016mm.).

Shell length code	L (l.o.a.) mm. / inch	S # (span) mm. / inch	M, mm/in length for membranes elements	W weight kg. / lb.	Article number
1	871	410	485	13	401501-21
	34.3	16	19.1	28	
2	1405	940	1018.5	17	401501-22
	55.3	37	40.1	39	
3	1938	1480	1552	22	401501-23
	76.3	58	61.1	49	
4	2472	2000	2085.5	27	401501-24
	97.3	79	82.1	60	
5	3006	2540	2620	32	401501-25
	118.3	100	103.1	71	
6	3540	3070	3153.5	37	401501-26
	139.4	121	124.2	82	
7	4075	3600	3688.5	42	401501-27
	160.4	142	145.2	93	
8	4609	4140	4223	47	401501-28
	181.5	163	166.3	104	
9	5144	4670	4758	52	401501-29
	202.5	184	187.3	115	
10	5679	5200	5292.5	57	401501-30
	223.6	205	208.4	126	
11	6214	5740	5828	62	401501-31
	244.6	226	229.4	137	
12	6748	6270	6361.5	67	401501-32
	265.6	247	250.5	148	

Shell length code	L (l.o.a.) mm. / inch	S # (span) mm. / inch	M, mm/in length for membranes elements (with membrane type)		W weight kg. lb.	Article number
1	1356	710	1020	970	16	401500-1
	53.4	28	40.2	38.2	36	
2	2372	1550	2036	1986	25	401500-2
	93.4	61	80.2	78.2	55	
3	3388	2550	3052	3002	34	401500-3
	133.4	100	120.2	118.2	74	
4	4404	3250	4068	4018	42	401500-4
	173.4	128	160.2	158.2	94	
5	5421	4250	5085	5035	51	401500-5
	213.4	167	200.2	198.2	113	
6	6439	5250	6103	6053	60	401500-6
	253.5	207	240.3	238.3	132	

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 pressure on port what can lead to leaks.
3. Max. allowable working pressure not to exceed 1500 psi. (103.4 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 49°C (120°F).

Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. * - *Item 17 & 18 are optional. Delivered upon request. Priced separately.*
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. The vessel is supplied with two strap for external saddles.

Item	Q-ty	Part Number	Description	Material
1	1	401500-0	Body of Pressure Vessel	Glass/Epoxy acc. to F.I. 202
2	2	009-034-1200/v	F/C Port	Super duplex stainless steel
3	2	011-034-1202	Retaining ring for Endport	316 Stainless steel
4	2	55412361	Seal for Endport	EPDM
5	2	55412369	Retaining ring for P. port	316 Stainless steel
6	2	005-416-1500	Support ring	316 Stainless steel
7	2	011-401-1202	Retaining ring for Support ring	316 Stainless steel
8	2	003-423-1003	Base plate	316 Stainless steel
9	2	55410231	Sealing plate	Engineering plastic
10	2	55412360	Seal for base plate / sealing plate	EPDM
11	2	55412363	Seal for Permeate port	EPDM
12	2	008-403-1200	Permeate port	Engineering plastic
13	6	55412377	Disk spacer	Engineering plastic
14	2	55412367	Membrane seal	EPDM
15	2	As required	Adapter	Engineering plastic
16	2	As required	Seal for adapter	EPDM
			- Vessel support parts - optional -	
17	2 - 3	55410352	Saddle	Engineering plastic
18	2	55410246	Strap	Stainless steel

BEL	TITLE: BEL 4-E-1500 psi. RO PRESSURE VESSEL	DESIGN	DMG	09/04/2018
		CHECK	JMEP	09/04/2018
DRAWING No. BEL 4-E-1500		APPR.	MAF	09/04/2018

REV.: 0