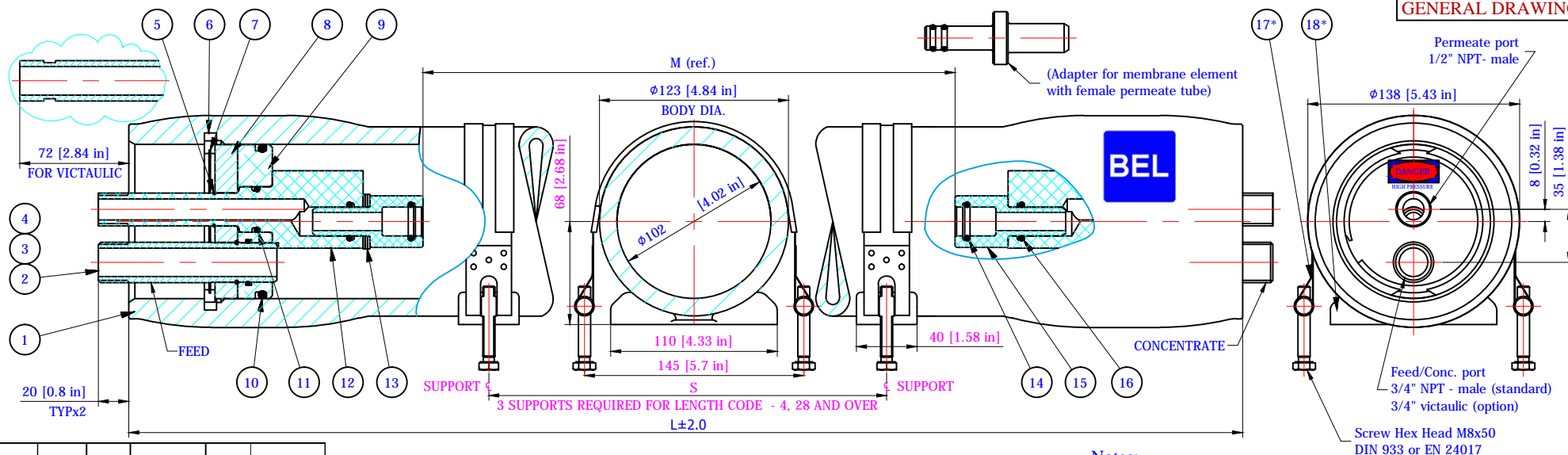


# GENERAL DRAWING



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	865 34.1	410 16	485 19.1	12 26	401001-21
2	1399 55.1	940 37	1018.5 40.1	17 36	401001-22
3	1932 76.1	1480 58	1552 61.1	21 47	401001-23
4	2466 97.1	2000 79	2085.5 82.1	26 57	401001-24
5	3000 118.1	2540 100	2620 103.1	30 67	401001-25
6	3534 139.1	3070 121	3153.5 124.2	35 77	401001-26
7	4069 160.2	3600 142	3688.5 145.2	40 87	401001-27
8	4603 181.2	4140 163	4223 166.3	44 97	401001-28
9	5138 202.3	4670 184	4758 187.3	49 108	401001-29
10	5673 223.3	5200 205	5292.5 208.4	53 118	401001-30
11	6208 244.4	5740 226	5828 229.4	58 128	401001-31
12	6742 265.4	6270 247	6361.5 250.5	63 138	401001-32

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 (with membrane type)	W weight kg. lb.	Article number
1	1350 53.1	710 28	1020 40.2	970 38.2	401000-1
2	2366 93.1	1550 61	2036 80.2	1986 78.2	401000-2
3	3382 133.1	2550 100	3052 120.2	3002 118.2	401000-3
4	4398 173.1	3250 128	4068 160.2	4018 158.2	401000-4
5	5415 213.2	4250 167	5085 200.2	5035 198.2	401000-5
6	6433 253.3	5250 207	6103 240.3	6053 238.3	401000-6

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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 1000 psi. (69 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	Part number	Q-ty	Title	Material
1	401000-0	1	Body of Pressure Vessel	Glass/Epoxy
2	009-034-1200/v	2	F/C Port	Super Duplex Stainless Steel
3	011-034-1202	2	Retaining ring for End port	316 stainless steel
4	55412361	2	Seal for End port	EPDM
5	55412369	2	Retaining ring for P.port	316 stainless steel
6	005-461-1200	2	Support ring	Aluminum
7	011-401-1202	2	Retaining ring for S.ring	316 stainless steel
8	003-400-1003	2	Base plate	Aluminum
9	55410231	2	Sealing plate	Engineering plastic
10	55412360	2	Seal for Sealing plate	EPDM
11	55412363	2	Seal for Permeate port	EPDM
12	008-403-1200	2	Permeate port	Engineering plastic
13	55412377	0-6	Disk spacer	Engineering plastic
14	As required	2	Membrane seal	EPDM
15	As required	2	Adapter	Engineering plastic
16	55412367	2	Seal for Adapter	EPDM

## - Vessel support parts - optional -

17*	55410246	2	Strap	316 stainless steel
18*	55410352	2-3	Saddle	Engineering plastic

TITLE	DESIGN	NAME	DATE
BEL	BEL 4-E-1000 psi. RO PRESSURE VESSEL	Yuri V.	30/07/2014
DRAWING No.	APPR.	DATE	
BEL 4-E-1000	Ari A.	30/07/2014	
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			REV.: 0