

GENERAL DRAWING

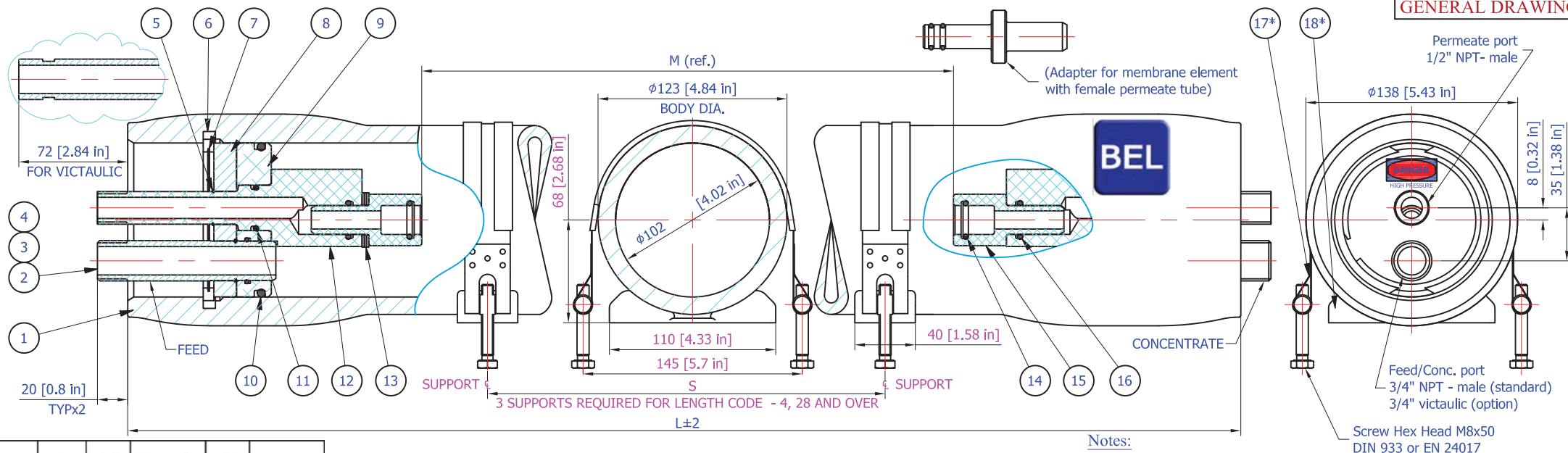


Table №1 for membrane length 21" (533.4mm.).
Table №2 for membrane length 40" (1016mm.).

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	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

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 65°C (150°F).

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

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

BEL	TITLE: BEL4-E-1000 psi. RO PRESSURE VESSEL		DESIGN	DMG	05/05/2020
			CHECK	JME	05/05/2020
	DRAWING NO: BEL4-E-1000		APPR.	MAF	05/05/2020

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REV.: 1

ORDER / R.F.Q. FORM - 4" END PORT PRESSURE VESSELS

Please fill and send it to your contact at BEL

P.O. / R.F.Q. Number:

Customer name:

1. NUMBER OF VESSELS:

(Please use separate forms for each type in case of multi-type orders)

2. WORKING PRESSURE RATE (PSI): 300 / 450 / 600 / 1,000 / 1,200 / 1,500

3. NUMBER OF MEMBRANE ELEMENTS IN EACH VESSEL:

For 40" membranes length: (1to 6)

For 21" membranes length: (1 to 12)

General Information for Permeate ports:

- Vessels 300 psi & 450 psi: ½" NPT Female.
- Vessels 600 psi up to 1500 psi: ½" NPT Male.

4. MEMBRANE BRAND AND TYPE:

5. FEED / CONCENTRATE PORTS: Vessel's Port diameters, according to ANSI Standards.

5.1 - (for 600 psi, 1,000 psi, 1,200 psi & 1,500 psi): ¾" NPT male (*standard*) / ¾" Victaulic (*special request*)

5.2 - (for 300 psi & 450 psi): ½" NPT female

6. CONFIRM TYPE – BEL4 E- - **M**
pressure #membranes

7. SADDLES & STRAPS (Optional): NO / YES (*please contact for pricing*)

8. COLOR: Standard (white, RAL 9010) / Other RAL number: (*contact for pricing*)

Customer signature:

Date:

FOR DETAILS PLEASE VISIT OUR WEBSITE: www.belvessels.com