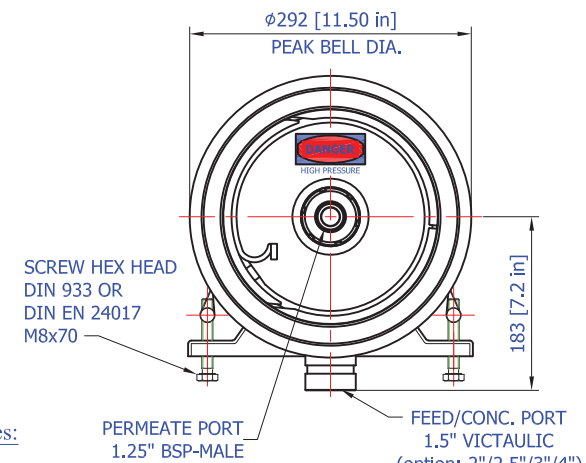
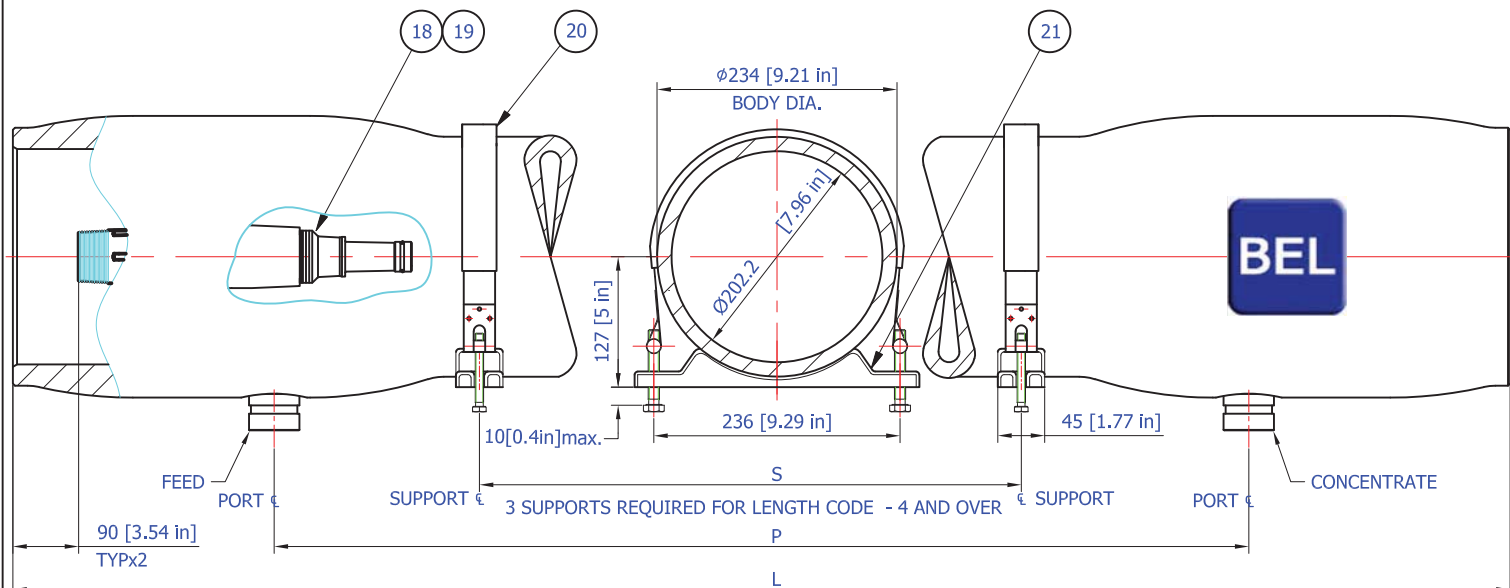
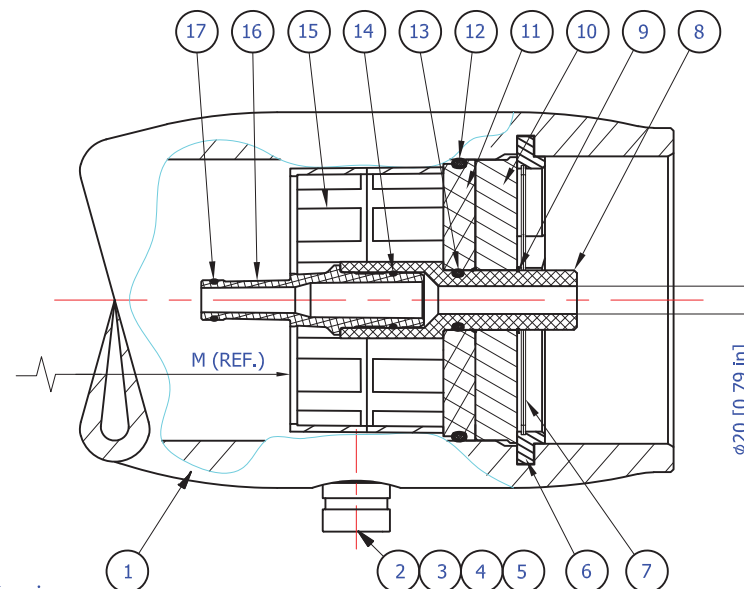




Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. Item 18 & 19 should be located on feed side.
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. Length between ports (P) can be changed to adapt old dimension with customer's special request.
7. The vessel is supplied with two strap assembly.
8. Storage & installation: Indoor.
9. For tolerances & sizes, please check the drawing in page 2.
10. Vessel's Port diameters, according to ANSI Standards.

This drawing is an integral part of the general statement of use and Technical Manual

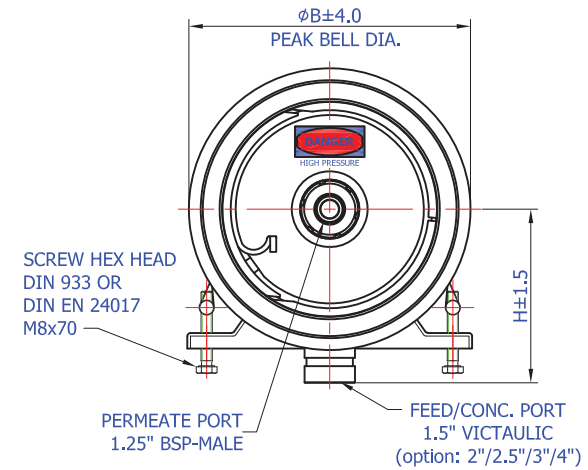
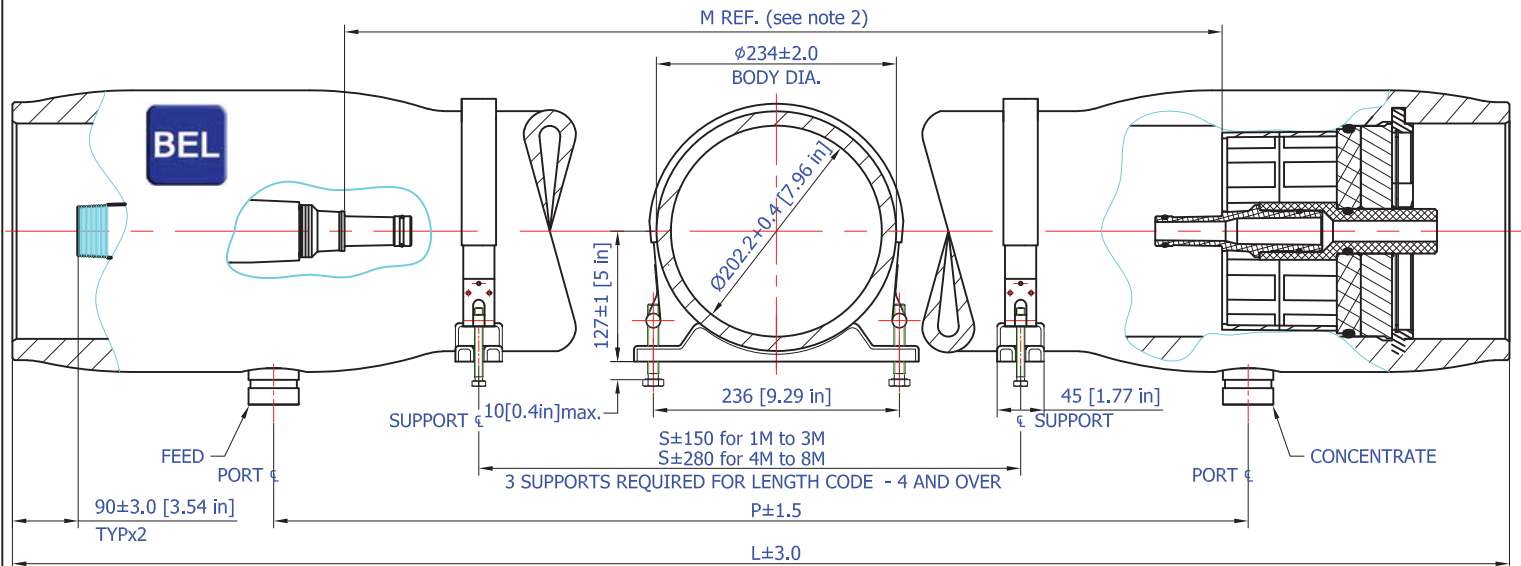


Warning.

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may cause an excessive load 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 65°C (150°F).

Item	Q-ty	Part Number	Description	Material
1	1	815000-0	Body of Pressure Vessel	Glass/Epoxy
2	2	040-155-1500	F/C por 1.5"	Super duplex
3	2	006-156-1203	Disk for sideport	Stainless steel
4	2	014-150-0506	Seal for sideport	EPDM
5	4	011-150-1202	Retaining ring for SP	Stainless steel
6	2	285154226	Support ring	Stainless steel
7	2	011-801-1202	Retaining ring (finger hook)	Stainless steel
8	2	008-811-0125	Permeate port 1.25" BSP male	Engineering plastic
9	2	283772336	Retaining ring for permeate port	Stainless steel
10	2	003-861-1205	Base plate	Aluminum
11	2	013-800-1205	Sealing plate	Engineering plastic
12	2	007-080-0092	Seal for sealing plate	EPDM
13	2	283776342	Seal for permeate port	EPDM
14	2	285773918	Seal for adapter	EPDM
15	1	004-830-0150	Thrust ring	Engineering plastic
16	2	As required	Adapter	Engineering plastic
17	2-4	As required	Membrane seal	EPDM
18	0-3	285779231	Disk spacer - 1mm	Engineering plastic
19	0-7	285779233	Disk spacer - 3mm	Engineering plastic
20	2	55410310	Strap Assy.	Stainless steel
21	2-3	55410351	Saddle	Engineering plastic

	TITLE BEL8-S-1500 psi. RO PRESSURE VESSEL		DESIGN	DMG	04/05/2020
			CHECK	JME	04/05/2020
DRAWING NO. BEL8-S(1.5")-1500			APPR.	MAF	04/05/2020
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Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. For membranes shimming (if needed) use disks spacers on feed side of the vessels.
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 assembly.
7. Ports with special height (H) in vessel and Length between ports (P) can be changed to adapt old dimension - with customer's special request.
8. Storage & installation: Indoor.
9. Vessel's Port diameters, according to ANSI Standards.

Membranes quantity	Length between ports, supports & internal space for membranes elements, mm./inch							
	1	2	3	4	5	6	7	8
P, port to port	1194	2210	3226	4242	5258	6274	7290	8306
	47	87	127	167	207	247	287	327
S, supports span	500	1500	2500	3250	4250	5250	6250	7250
	19.7	59.1	98.4	128	167.3	206.7	246.1	285.4
M, space of membranes	1032	2048	3064	4080	5096	6112	7128	8144
	40.6	80.6	120.6	160.6	200.6	240.6	280.6	320.6

Membranes quantity	L (Length of pressure vessels), mm./inch							
	1	2	3	4	5	6	7	8
1500 (103.4)	1704	2720	3736	4752	5768	6784	7800	8816
	67.1	107.1	147.1	187.1	227.1	267.1	307.1	347.1

Warning.

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may cause an excessive load 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 65°C (150°F).

This drawing is an integral part of
the general statement of use
and Technical Manual

B (Peak bell diameter), mm./inch					
Side port dia.	1.5"	2"	2.5"	3"	4"
1500 (103.4)	292	302	305	312	318
	11.50	11.89	12.01	12.28	12.52

H (Height of side port), mm./inch					
Side port dia.	1.5"	2"	2.5"	3"	4"
1500 (103.4)	183	183	183	183	188
	7.20	7.20	7.20	7.20	7.40

	TITLE: BEL 8" Side Port 1500 psi. RO PRESSURE VESSEL	DESIGN	DMG	04/05/2020
		CHECK	JME	04/05/2020
DRAWING NO.: BEL8-S-PV-1500		APPR.	MAF	04/05/2020
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ORDER / R.F.Q. FORM - 8" SIDE PORT PRESSURE VESSELS

Please fill and send it to your contact at BEL

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

Customer name:

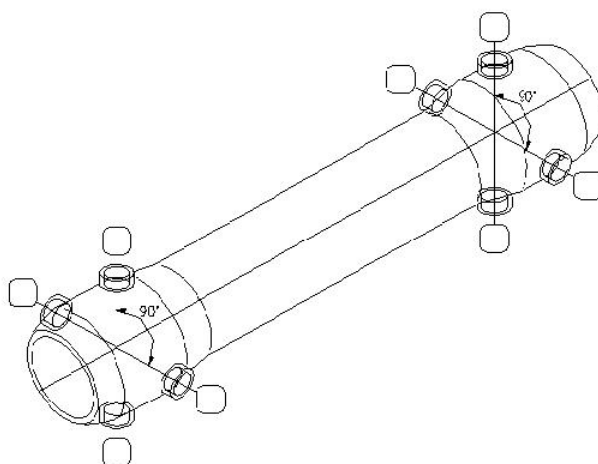
1. NEW SYSTEM / EXISTING SYSTEM or Replacement , please provide details:

2. F/C PORTS CONFIGURATION: Please indicate side port requirement on each side of the vessel
(Mark the letter indicating port diameter in the box at each required port location)

A – 1.5" B – 2" C – 2.5" D – 3" E – 4"

Vessel's Port diameters, according to ANSI Standards.

(Ports with a diameter of 2.5" & 3" & 4" cannot be mounted in 90° from with any other port)



3. NUMBER OF VESSELS: Units

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

4. WORKING PRESSURE RATE (PSI):1500

5. NUMBER OF MEMBRANE ELEMENTS IN EACH VESSEL: (1,,,,,,8)

6. MEMBRANE BRAND AND TYPE:

7. CONFIRM TYPE: BEL8-S - (x) - - M

of ports dia. of port pressure # of membranes - (Example: BEL8 - S(4 x 2.5") – 1,000 - 7M)

8. PERMEATE PORTS OUTLET: 1.25" BSP male

9. ASME code SEC. X, RP stamped vessel: NO YES (please contact for pricing)

10. ADAPTERS OPTIONS: Two Standard adapters Standard & Solid (blind) adapter

11. COLOR: Standard (white, RAL 9010) Other RAL number: (contact for pricing)

Customer signature:

Date:

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

May,2020