



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 should be supported with two straps for external saddles.
7. Storage & installation: Indoor.
8. Vessel's ports diameters according to ANSI Standards.

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	410	485	12	40601-21
	34.1	16	19.1	26	
2	1399	940	1018.5	17	40601-22
	55.1	37	40.1	36	
3	1932	1480	1552	21	40601-23
	76.1	58	61.1	47	
4	2466	2000	2085.5	26	40601-24
	97.1	79	82.1	57	
5	3000	2540	2620	30	40601-25
	118.1	100	103.1	67	
6	3534	3070	3153.5	35	40601-26
	139.1	121	124.2	77	
7	4069	3600	3688.5	40	40601-27
	160.2	142	145.2	87	
8	4603	4140	4223	44	40601-28
	181.2	163	166.3	97	
9	5138	4670	4758	49	40601-29
	202.3	184	187.3	108	
10	5673	5200	5292.5	53	40601-30
	223.3	205	208.4	118	
11	6208	5740	5828	58	40601-31
	244.4	226	229.4	128	
12	6742	6270	6361.5	63	40601-32
	265.4	247	250.5	138	

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	710	1020	970	13	40600-1
	53.1	28	40.2	38.2	29	
2	2366	1550	2036	1986	19	40600-2
	93.1	61	80.2	78.2	43	
3	3382	2550	3052	3002	26	40600-3
	133.1	100	120.2	118.2	57	
4	4398	3250	4068	4018	32	40600-4
	173.1	128	160.2	158.2	71	
5	5415	4250	5085	5035	39	40600-5
	213.2	167	200.2	198.2	85	
6	6433	5250	6103	6053	45	40600-6
	253.3	207	240.3	238.3	99	

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 600 psi. (41.4 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 65°C (150°F).

Item	Part number	Q-ty	Title	Material
1	40600-0	1	Body of Pressure Vessel	Glass/Epoxy
2	009-034-0600/v	2	F/C Port	316 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	
	BEL4-E-600 psi. RO PRESSURE VESSEL		DESIGN	DMG	05/05/2020
			CHECK	JME	05/05/2020
DRAWING NO: BEL4-E-600			APPR.	MAF	05/05/2020
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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: 1/2" NPT Female.
- Vessels 600 psi up to 1500 psi: 1/2" 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): 3/4" NPT male (*standard*) / 3/4" Victaulic (*special request*)

5.2 - (for 300 psi & 450 psi): 1/2" NPT female

80'CONFIRM TYPE – BEL4 E- - M
pressure #membranes

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

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

Customer signature:

Date:

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