



Table №1
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
3	3240	2550	3052	3002	22	40450-3
	127.6	100	120.2	118.2	49	
4	4256	3250	4068	4018	29	40450-4
	167.6	128	160.2	158.2	64	
5	5273	4250	5085	5035	36	40450-5
	207.6	167	200.2	198.2	79	
6	6291	5250	6103	6053	42	40450-6
	247.7	207	240.3	238.3	94	

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

Shell length code	L (l.o.a.) mm. inch	S # (span) mm. inch	M, mm/in length for membrane elements	W weight kg. lb.	Article number
25	2858	2200	2620	20	40451-25
	112.5	87	103.1	44	
26	3392	2700	3153.5	23	40451-26
	133.5	106	124.2	51	
27	3927	3200	3688.5	27	40451-27
	154.6	126	145.2	59	
28	4461	3700	4223	30	40451-28
	175.6	146	166.3	67	
29	4996	4200	4758	34	40451-29
	196.7	165	187.3	75	
30	5531	4700	5292.5	37	40451-30
	217.7	185	208.4	83	
31	6066	5200	5828	41	40451-31
	238.8	205	229.4	90	
32	6600	5700	6361.5	44	40451-32
	259.8	224	250.5	98	

Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. * - Items 9 & 10 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.

Warning.

1. Never pressurize a pressure vessel that was not loaded with membrane elements.
2. Wrong manifolding may effect an excessive pressure on port what can lead to leaks.
3. Max. allowable working pressure not to exceed 450 psi. (31 bar).
4. Permeate internal pressure not to exceed 125 psi. (8.6 bar).
5. Operating temperature not to exceed 49°C (120°F).

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

Item	Part number	Q-ty	Title	Material
1	40450-1/2sh-ne	1	Body of Pressure Vessel	Glass/Epoxy
2	55410208	2	Retaining ring	316 stainless steel
3	003-400-0003	2	Base plate	Engineering plastic
4	55412360	2	Seal for base plate	EPDM
5	55412367	2	Seal for adapter	EPDM
6	55412377	0-6	Disk spacer	Engineering plastic
7	As required	2	Adapter	Engineering plastic
8	As required	2	Membrane seal	EPDM

- Vessel support parts - optional -

9 *	55410246	2	Strap	316 stainless steel
10 *	55410352	2	Saddle	Engineering plastic

BEL	TITLE		
	DESIGN	NAME	DATE
	RO PRESSURE VESSEL BEL 4-E-450 (from 3 to 6 membrane elements).	Yuri V.	30/07/2014
DRAWING No.	BEL4-E-450-3to6m-sh-ne	APPR. Ari A.	30/07/2014
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