



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

Shell length code	L (l.o.a.) mm, inch	P port to port, mm, Inch	S# (span) mm, inch	M, mm/in length for membranes elements	W weight kg, lb.	Article number
21	773	584	410	485	6	41451-21
	30.4	23.0	16	19.1	13	
22	1307	1117.4	940	1018.5	8	41451-22
	51.4	44.0	37	40.1	19	
23	1840	1650.8	1480	1552	11	41451-23
	72.4	65.0	58	61.1	24	
24	2374	2184.2	2000	2085.5	14	41451-24
	93.4	86.0	79	82.1	30	
25	2908	2717.6	2540	2620	16	41451-25
	114.5	107.0	100	103.1	36	
26	3442	3251	3070	3153.5	19	41451-26
	135.5	128.0	121	124.2	41	
27	3977	3784.4	3600	3688.5	21	41451-27
	156.6	149.0	142	145.2	47	
28	4511	4317.8	4140	4223	24	41451-28
	177.6	170.0	163	166.3	53	
29	5046	4851.2	4670	4758	26	41451-29
	198.7	191.0	184	187.3	58	
30	5581	5384.6	5200	5292.5	29	41451-30
	219.7	212.0	205	208.4	64	
31	6116	5918	5740	5828	32	41451-31
	240.8	233.0	226	229.4	70	
32	6650	6451.4	6270	6361.5	34	41451-32
	261.8	254.0	247	250.5	75	

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

Shell length code	L (l.o.a.) mm, inch	P port to port, mm, Inch	S# (span) mm, inch	M, mm/in length for membranes elements	W weight kg, lb.	Article number
1	1258	1067	710	970	8	41450-1
	49.5	42	28	38.2	18	
2	2274	2083	1550	1986	13	41450-2
	89.5	82	61	78.2	29	
3	3290	3099	2550	3002	18	41450-3
	129.5	122	100	118.2	40	
4	4306	4115	3250	4018	23	41450-4
	169.5	162	128	158.2	50	
5	5324	5131	4250	5035	28	41450-5
	209.6	202	167	198.2	61	
6	6343	6147	5250	6053	33	41450-6
	249.7	242	207	238.3	72	

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).

Notes:

1. All dimensions are for reference only, not for construction unless certified.
2. \* - Item 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.

Item	Part number	Q-ty	Title	Material
1	41450-0	1	Body of Pressure Vessel	Glass/Epoxy
2	55410208	2	Retaining ring	316 stainless steel
3	55410207	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
9	55410473/472	2	F/C Port	316 stainless steel
10	55410481	2	Seal for F/C Port	EPDM
11	55410471	2	Disk for F/C Port	304 stainless steel
12	55412368	2	Retaining ring	316 stainless steel
13	82870051	2	Pin Ø4x6	316 stainless steel

**-Vessel support parts -optional -**

14 *	55410246	2-3	Strap Assy.	316 stainless steel
15 *	55410352	2-3	Saddle	Polyurethane

<b>BEL</b>	TITLE		DESIGN	NAME	DATE
	ORL 4-S-300/450 psi. RO PRESSURE VESSEL		CHECK	Yuri V.	15/07/2007
DRAWING No.	4s-450	CATALOG No.	4s-450	APPR.	Vladimir K.
THIS DRAWING IS PROPERTY OF BEL GROUP LIMITED IT IS STRICTLY FORBIDDEN TO USE, COPY, REPRODUCE OR DISCLOSE ANY PART OF IT TO THIRD PARTY WITHOUT WRITTEN AUTHORIZATION.					REV.: 1