



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
21	759 29.9	500 20	485 19.1	6 14	40451-21
	1293 50.9	900 35	1018.5 40.1	10 21	
22	1826 71.9	1300 51	1552 61.1	13 29	40451-23
	2360 92.9	1700 67	2085.5 82.1	17 37	
23	2894 113.9	2200 87	2620 103.1	20 45	40451-25
	3428 134.9	2600 102	3153.5 124.2	24 52	
24	3963 156.0	3000 118	3688.5 145.2	27 60	40451-27
	4497 177.0	3400 134	4223 166.3	31 68	
25	5032 198.1	3800 150	4758 187.3	34 76	40451-29
	5567 219.2	4200 165	5292.5 208.4	38 84	
26	6102 240.2	4600 181	5828 229.4	41 91	40451-31
	6636 261.2	5000 197	6361.5 250.5	45 99	

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	1244 49.0	710 28	970 38.2	9 21	40450-1
	2260 89.0	1550 61	1986 78.2	16 35	
2	3276 129.0	2550 100	3002 118.2	23 50	40450-3
	4292 169.0	3250 128	4018 158.2	29 65	
3	5309 209.0	4250 167	5035 198.2	36 80	40450-5
	6327 249.1	5250 207	6053 238.3	43 95	

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

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**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. \* - 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.

Item	Part number	Q-ty	Title	Material
1	40450-0	1	Body of Pressure Vessel	Glass/Epoxy
2	55410208	2	Retaining ring	316 stainless steel
3	55410239/A	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	2-3	Strap Assy.	316 stainless steel
10 *	55410352	2-3	Saddle	Polyurethane

BEL		TITLE		DESIGN	NAME	DATE
		ORL 4-E-300/450 psi. RO PRESSURE VESSEL		CHECK	Yuri V.	20/08/2006
DRAWING No.	4e-450	CATALOG No.	4e-450	APPR.	Vladimir K.	20/08/2006