



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	915	410	485	12	401201-21
	36.0	16	19.1	27	
2	1449	940	1018.5	17	401201-22
	57.0	37	40.1	37	
3	1982	1480	1552	22	401201-23
	78.0	58	61.1	48	
4	2516	2000	2085.5	26	401201-24
	99.0	79	82.1	58	
5	3050	2540	2620	31	401201-25
	120.1	100	103.1	68	
6	3584	3070	3153.5	35	401201-26
	141.1	121	124.2	78	
7	4119	3600	3688.5	40	401201-27
	162.1	142	145.2	88	
8	4653	4140	4223	45	401201-28
	183.2	163	166.3	98	
9	5188	4670	4758	49	401201-29
	204.3	184	187.3	109	
10	5723	5200	5292.5	54	401201-30
	225.3	205	208.4	119	
11	6258	5740	5828	59	401201-31
	246.4	226	229.4	129	
12	6792	6270	6361.5	63	401201-32
	267.4	247	250.5	139	

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	1400	710	1020	970	17	401200-1
	55.1	28	40.2	38.2	36	
2	2416	1550	2036	1986	25	401200-2
	95.1	61	80.2	78.2	56	
3	3432	2550	3052	3002	34	401200-3
	135.1	100	120.2	118.2	75	
4	4448	3250	4068	4018	43	401200-4
	175.1	128	160.2	158.2	95	
5	5465	4250	5085	5035	52	401200-5
	215.2	167	200.2	198.2	114	
6	6483	5250	6103	6053	60	401200-6
	255.2	207	240.3	238.3	133	

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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 effect an excessive pressure on port what can lead to leaks.
3. Max. allowable working pressure not to exceed 1200 psi. (83 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 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 is supplied with two strap for external saddles.

Item	Part number	Q-ty	Title	Material
1	401200-0	1	Body of Pressure Vessel	Glass/Epoxy
2	55410254 z/vz	2	F/C Port	Super Duplex Stainless Steel
3	55410234	4	Arc for end port	316 stainless steel
4	55412361	2	Seal for end port	EPDM
5	55412349	8	Socket screw	316 stainless steel
6	55410230	8	Lock	Aluminum
7	55412369	2	Retaining ring for p.port	316 stainless steel
8	55410232	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	55410253	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

BEL	TITLE	ORL 4-E-1200 psi. RO PRESSURE VESSEL	DESIGN	NAME	DATE
			CHECK	Yuri V.	10/11/2011
DRAWING No.	ORL 4-E-1200	APPR.	Ari A.	10/11/2011	