

VOLUME OF SHELLS & HEADS

I.D. Of Vessel Inches	Cylindrical SHELL / LIN. Ft.				2:1 ELLIP. HEAD*			
	Cu.Ft.	Gal	Bbl.	Wt. of Water lb.	Cu.Ft.	Gal.	Bbl.	Wt. of Water lb
12	0.8	5.9	0.14	49	0.1	0.98	0.02	8.17
13	1.1	8.0	0.19	67	0.2	1.55	0.04	13.98
16	1.4	10.4	0.25	87	0.3	2.32	0.06	19.37
18	1.8	13.2	0.31	110	0.4	3.30	0.08	27.58
20	2.2	16.3	0.39	136	0.6	4.53	0.11	37.83
22	2.6	19.7	0.47	165	0.8	6.03	0.14	50.35
24	3.1	23.5	0.56	196	1.0	7.83	0.19	65.37
26	3.7	27.6	0.66	230	1.3	9.96	0.24	83.11
28	4.3	32.0	0.76	267	1.7	12.44	0.30	103.8
30	4.9	36.7	0.87	306	2.0	15.30	0.36	127.7
32	5.6	41.8	0.99	349	2.5	18.57	0.44	155
34	6.3	47.2	1.12	394	3.0	22.27	0.53	185.9
36	7.1	52.9	1.26	441	3.5	26.47	0.63	220.1
38	7.9	58.9	1.40	492	4.2	31.09	0.74	259.5
40	8.7	65.3	1.55	545	4.8	36.27	0.86	302.6
42	9.6	72.0	1.71	601	5.6	41.98	1.00	350.4
48	12.6	94.0	2.24	784	8.4	62.67	1.49	523
54	15.9	119.0	2.83	993	11.9	89.23	2.12	744.6
60	19.6	146.9	3.50	1226	16.3	122.40	2.91	1021
66	23.8	177.7	4.23	1483	21.8	162.90	3.88	1360
72	28.3	211.5	5.04	1765	28.3	211.50	5.04	1765
78	33.2	248.2	5.91	2071	35.9	268.90	6.40	2244
84	38.5	287.9	6.85	2402	44.9	335.90	8.00	2802
90	44.2	330.5	7.87	2758	55.2	403.10	9.84	3447
96	50.3	376.0	8.95	3138	67.0	501.30	11.84	4184
102	56.7	424.4	10.11	3542	80.3	601.40	14.32	5018
108	63.6	475.9	11.33	3971	95.4	713.80	17.00	5957
114	71.1	530.2	12.62	4425	112.2	839.50	20.00	7006
120	78.5	587.5	13.99	4903	130.9	919.20	23.31	8171
126	86.6	647.7	15.42	5405	151.5	1134	27.00	9459
132	95.0	710.9	16.93	5932	174.2	1303	31.03	10876
138	103.9	770.0	18.50	6484	190.1	1489	35.46	12428
144	113.1	846.0	20.14	7060	226.2	1692	40.29	14120

* = Volume within the straight flange is not included