

Tanks A Lot Tank Volumetric Calculations

1000 gallon (nominal) tank

Vessel ID 59.25 inches  
 Vessel Radius 29.625 inches  
 Vessel Length T/T 73 inches

h = liquid height in inches

h inches	Tank vol BBLs	Head vol BBLs	Total vol	
			BBLs	gallons
1	0.26	0.08	0.08	3.347645
2	0.37	0.22	0.23	9.560239
3	0.45	0.39	0.42	17.66493
4	0.53	0.60	0.65	27.29806
5	0.59	0.84	0.91	38.24009
6	0.65	1.10	1.20	50.33613
7	0.70	1.38	1.51	63.46719
8	0.75	1.67	1.85	77.5367
9	0.80	1.99	2.20	92.46325
10	0.85	2.31	2.58	108.1762
11	0.89	2.65	2.97	124.6131
12	0.93	3.01	3.37	141.7174
13	0.97	3.37	3.80	159.4375
14	1.02	3.74	4.23	177.7257
15	1.05	4.13	4.68	196.5375
16	1.09	4.52	5.14	215.8308
17	1.13	4.92	5.61	235.5659
18	1.17	5.32	6.09	255.7046
19	1.20	5.74	6.58	276.2105
20	1.24	6.15	7.07	297.0485
21	1.28	6.58	7.58	318.1843
22	1.31	7.01	8.09	339.5848
23	1.35	7.44	8.60	361.2176
24	1.38	7.87	9.12	383.0511
25	1.41	8.31	9.64	405.054
26	1.45	8.75	10.17	427.1955
27	1.48	9.20	10.70	449.4454
28	1.52	9.64	11.23	471.7736
29	1.55	10.09	11.77	494.1501
30	1.58	10.53	12.30	516.5452
31	1.62	10.98	12.83	538.9292
32	1.65	11.42	13.36	561.2722
33	1.68	11.87	13.89	583.5445
34	1.72	12.31	14.42	605.716
35	1.75	12.75	14.95	627.7564
36	1.79	13.18	15.47	649.6351
37	1.82	13.62	15.98	671.3211
38	1.86	14.05	16.49	692.7827
39	1.89	14.47	17.00	713.9877
40	1.93	14.89	17.50	734.9033

h inches	Tank vol		Head vol	Total vol	
	BBLs	BBLs	BBLs	BBLs	gallons
41	1.96	15.31	2.68	17.99	755.4955
42	2.00	15.71	2.76	18.47	775.7294
43	2.04	16.12	2.83	18.94	795.5688
44	2.08	16.51	2.90	19.40	814.9762
45	2.12	16.89	2.96	19.86	833.9123
46	2.16	17.27	3.02	20.29	852.3355
47	2.20	17.64	3.08	20.72	870.2019
48	2.24	17.99	3.14	21.13	887.4649
49	2.28	18.33	3.19	21.53	904.0737
50	2.33	18.67	3.24	21.90	919.9732
51	2.38	18.98	3.28	22.26	935.1026
52	2.43	19.28	3.32	22.60	949.3935
53	2.48	19.56	3.36	22.92	962.7676
54	2.54	19.83	3.39	23.22	975.1325
55	2.60	20.07	3.42	23.49	986.3758
56	2.67	20.29	3.44	23.72	996.3535
57	2.75	20.47	3.45	23.93	1004.866
58	2.85	20.62	3.46	24.09	1011.601
59	3.01	20.72 ✓	3.47	24.19	1015.881