

TANK CAPACITIES

VERTICAL CYLINDER

Dia (in)	Dia (ft)	Surface Area (sq ft)	Volume per 1' depth (Gal)	Dia (in)	Dia (ft)	Area (sq ft)	Volume per 1' depth (Gal)	Dia (in)	Dia (ft)	Area (sq ft)	Volume per 1' depth (Gal)	Dia (in)	Dia (ft)	Area (sq ft)	Volume per 1' depth (Gal)
2	0.167	9.222	0.163	45	3.750	11.04	82.62	120	10.0	78.54	587.5	396	33	855.3	6398
3	0.250	0.049	0.367	46	3.833	11.54	86.33	126	10.5	86.59	647.7	408	34	907.9	6792
4	0.333	0.087	0.653	47	3.917	12.05	90.13	132	11.0	95.03	710.9	420	35	962.1	7197
5	0.417	0.136	1.020	48	4.000	12.57	94.00	138	11.5	103.9	777.0	432	36	1018	7614
6	0.500	0.196	1.469	49	4.083	13.10	97.96	144	12.0	113.1	846.0	444	37	1075	8043
7	0.583	0.267	1.999	50	4.167	13.64	102.0	150	12.5	122.7	918.0	456	38	1134	8484
8	0.667	0.349	2.611	51	4.250	14.19	106.1	156	13.0	132.7	992.9	468	39	1195	8936
9	0.750	0.442	3.305	52	4.333	14.75	110.3	162	13.5	143.1	1071	480	40	1257	9400
10	0.833	0.545	4.080	53	4.417	15.32	114.6	168	14.0	153.9	1152	492	41	1320	9976
11	0.917	0.660	4.937	54	4.500	15.90	119.0	174	14.5	165.1	1235	504	42	1385	10364
12	1.000	0.785	5.875	55	4.583	16.50	123.4	180	15.0	176.7	1322	516	43	1452	10863
13	1.083	0.922	6.895	56	4.667	17.10	127.9	186	15.5	188.7	1412	528	44	1521	11374
14	1.167	1.069	7.997	57	4.750	17.72	132.6	192	16.0	201.1	1504	540	45	1590	11897
15	1.250	1.227	9.180	58	4.833	18.35	137.3	198	16.5	213.8	1600	552	46	1662	12432
16	1.333	1.396	10.44	59	4.917	18.99	142.0	204	17.0	227.0	1698	564	47	1735	12978
17	1.417	1.576	11.79	60	5.000	19.63	146.9	210	17.5	240.5	1799	576	48	1810	13536
18	1.500	1.767	13.22	61	5.083	20.29	151.8	216	18.0	254.5	1904	588	49	1886	14106
19	1.583	1.969	14.73	62	5.167	20.97	156.8	222	18.5	268.8	2011	600	50	1963	14688
20	1.667	2.182	16.32	63	5.250	21.65	161.9	228	19.0	283.5	2121	624	52	2124	15887
21	1.750	2.405	17.99	64	5.333	22.34	167.1	234	19.5	298.6	2234	648	54	2290	17132
22	1.833	2.640	19.75	65	5.417	23.04	172.4	240	20.0	314.2	2350	672	56	2463	18425
23	1.917	2.885	21.58	66	5.500	23.76	177.7	246	20.5	330.1	2469	696	58	2642	19764
24	2.000	3.142	23.50	67	5.583	24.48	183.2	252	21.0	346.4	2591	720	60	2827	21151
25	2.083	3.409	25.50	68	5.667	25.22	188.7	258	21.5	363.1	2716	744	62	3019	22584
26	2.167	3.687	27.58	69	5.750	25.97	194.2	264	22.0	380.1	2844	768	64	3217	24065
27	2.250	3.976	29.74	70	5.833	26.73	199.9	270	22.5	397.6	2974	792	66	3421	25592
28	2.333	4.276	31.99	71	5.917	27.49	205.7	276	23.0	415.5	3108	816	68	3632	27167
29	2.417	4.587	34.31	72	6.00	28.27	211.5	282	23.5	433.7	3245	840	70	3848	28788
30	2.500	4.909	36.72	75	6.25	30.68	229.5	288	24.0	452.4	3384	864	72	4072	30457
31	2.583	5.241	39.21	78	6.50	33.18	248.2	294	24.5	471.4	3527	888	74	4301	32173
32	2.667	5.585	41.78	81	6.75	35.78	267.7	300	25.0	490.9	3672	912	76	4536	33935
33	2.750	5.940	44.43	84	7.00	38.48	287.9	306	25.5	510.7	3820	936	78	4778	35745
34	2.833	6.305	47.16	87	7.25	41.28	308.8	312	26.0	530.9	3972	960	80	5027	37601
35	2.917	6.681	49.98	90	7.50	44.18	330.5	318	26.5	551.5	4126	984	82	5281	39505
36	3.000	7.069	52.88	93	7.75	47.17	352.9	324	27.0	572.6	4283	1008	84	5542	41455
37	3.083	7.467	55.86	96	8.00	50.27	376.0	330	27.5	594.0	4443	1032	86	5809	43453
38	3.167	7.876	58.92	99	8.25	53.46	399.9	447	38.0	615.8	4606	1056	88	6082	45497
39	3.250	8.296	62.06	102	8.50	56.75	424.5	442	38.5	637.9	4772	1080	90	6362	47589
40	3.333	8.727	65.28	105	8.75	60.13	449.8	448	39.0	660.5	4941	1104	92	6648	49728
41	3.417	9.168	68.58	108	9.00	63.62	475.9	454	39.5	683.5	5113	1128	94	6940	51913
42	3.500	9.621	71.97	111	9.25	67.20	502.7	460	40.0	706.9	5288	1152	96	7238	54146
43	3.583	10.08	75.44	114	9.50	70.88	530.2	466	40.5	731.2	5466	1176	98	7543	56425
44	3.667	10.56	78.99	117	9.75	74.66	558.5	472	41.0	756.4	5646	1200	100	7854	58752

HORIZONTAL CYLINDER

Contents in gallons per foot of length of tank with flat ends when filled to various depths.

Tank Dia (in)	Full Tank	Depth of Liquid, h (in)																				
		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	
6	1.47	0.73	1.47																			
12	5.88	1.15	2.94	4.73	5.88																	
18	13.22	1.45	3.86	6.61	9.36	11.77	13.22															
24	23.50	1.70	4.59	8.05	11.75	15.45	18.91	21.81	23.50	27	30											
30	36.72	1.91	5.23	9.27	13.72	18.36	23.00	27.45	31.49	34.81	36.72											
36	52.88	2.10	5.79	10.34	15.43	20.85	26.44	32.02	37.45	42.54	47.08	50.77	52.88									
42	71.97	2.28	6.31	11.31	16.97	23.07	29.46	35.99	42.51	48.90	55.00	60.66	65.66	69.69	71.97	45	48					
48	94.00	2.45	6.78	12.20	18.38	25.10	32.20	39.54	47.00	54.46	61.81	68.91	75.63	81.80	87.22	91.56	94.00	51	54			
54	118.97	2.60	7.23	13.03	19.69	26.97	34.72	42.79	51.09	59.49	67.88	76.18	84.26	92.00	101.07	109.82	118.16	125.97	133.06	139.24		
60	146.88	2.75	7.64	13.82	20.91	28.72	37.06	45.81	54.86	64.10	73.44	82.77	92.02	101.07	110.82	120.03	128.91	137.58	146.00	154.24	162.24	
66	117.72	2.88	8.04	14.56	22.07	30.36	39.26	48.64	58.39	68.40	78.59	88.86	99.13	109.32	119.33	129.08	138.46	147.36	155.65	163.17	169.88	
72	211.51	3.02	8.42	15.26	23.17	31.92	41.35	51.32	61.72	72.45	83.42	94.55	105.75	116.96	128.09	139.06	149.79	160.19	170.16	179.58	188.34	
78	248.23	3.14	8.78	15.93	24.22	33.41	43.33	53.86	64.87	76.27	87.97	99.90	111.97	124.11	136.26	148.33	160.25	171.96	183.36	194.37	204.89	
84	287.88	3.26	9.13	16.58	25.23	34.84	45.23	56.28	67.87	79.91	92.30	104.97	117.85	130.86	143.94	157.02	170.03	182.91	195.58	207.98	220.01	
90	330.48	3.38	9.46	17.20	26.19	36.20	47.05	58.61	70.75	83.39	96.43	109.81	123.44	137.27	151.22	165.24	179.26	193.21	207.04	220.67	234.05	
96	376.01	3.49	9.78	17.80	27.13	37.52	48.81	60.84	73.51	86.72	100.39	114.44	128.79	143.39	158.16	173.05	188.01	202.96	217.85	232.62	247.22	
102	424.48	3.60	10.10	18.38	28.03	38.80	50.50	62.99	76.17	89.94	104.20	118.88	133.92	149.25	164.80	180.52	196.35	212.24	228.13	243.96	259.68	
108	475.89	3.71	10.40	18.94	28.90	40.02	52.13	65.08	78.74	93.04	107.87	123.17	138.86	154.88	171.18	187.69	204.35	221.12	237.95	254.77	271.54	
114	530.24	3.81	10.70	19.49	29.75	41.23	53.72	67.10	81.23	96.04	111.42	127.31	143.63	160.32	177.32	194.58	212.04	229.65	247.36	265.12	282.88	
120	587.52	3.91	10.98	20.02	30.58	42.39	55.26	69.06	83.65	98.95	114.86	131.31	148.24	165.57	183.26	201.24	219.46	237.87	256.42	275.07	293.76	

