

TANK CAPACITIES

CAPACITY OF ROUND TANKS

Per Foot of Depth

Diam.	Gals.	Area Sq. Ft.	Diam.	Gals.	Area Sq. Ft.	Diam.	Gals.	Area Sq. Ft.	Diam.	Gals.	Area Sq. Ft.
1'	5.87	.785	4'	94.00	12.566	11'	710.90	95.03	22'	2843.60	380.13
1' 1"	6.89	.922	4' 1"	97.96	13.095	11' 3"	743.58	99.40	22' 2"	2908.60	388.82
1' 2"	8.00	1.069	4' 2"	102.00	13.635	11' 6"	776.99	103.87	22' 6"	2974.30	397.61
1' 3"	9.18	1.227	4' 3"	106.12	14.186	11' 9"	811.14	108.43	22' 9"	3040.80	406.49
1' 4"	10.44	1.396	4' 4"	110.32	14.748	11' 12"	846.03	113.10	23'	3108.00	415.48
1' 5"	11.79	1.576	4' 5"	114.61	15.321	12'	881.65	117.86	23' 3"	3175.90	424.56
1' 6"	13.22	1.767	4' 6"	118.97	15.90	12' 6"	918.00	122.72	23' 6"	3244.60	433.74
1' 7"	14.73	1.969	4' 7"	123.42	16.50	12' 9"	955.00	127.68	23' 9"	3314.00	443.01
1' 8"	16.32	2.182	4' 8"	127.95	17.10	13'	992.91	132.73	24'	3384.10	452.39
1' 9"	17.99	2.405	4' 9"	132.56	17.72	13' 3"	1031.50	137.89	24' 3"	3455.00	461.86
1' 10"	19.75	2.640	4' 10"	137.25	18.35	13' 6"	1070.80	142.14	24' 6"	3526.60	471.44
1' 11"	21.58	2.885	4' 11"	142.02	18.99	13' 9"	1110.80	148.49	24' 9"	3598.90	481.11
2'	23.50	3.142	5' 8"	188.66	25.22	14'	1151.50	153.94	25'	3672.00	490.87
2' 1"	25.50	3.409	5' 9"	194.25	25.97	14' 3"	1193.00	159.48	25' 3"	3745.80	500.74
2' 2"	27.58	3.687	5' 10"	199.92	26.73	14' 6"	1235.30	165.13	25' 6"	3820.30	510.71
2' 3"	29.74	3.976	5' 11"	205.67	27.49	14' 9"	1278.20	170.87	25' 9"	3895.60	520.77
2' 4"	31.99	4.276	6'	211.51	28.27	15'	1321.90	176.71	26'	3971.60	530.93
2' 5"	34.31	4.587	6' 3"	229.50	30.68	15' 3"	1366.40	182.65	26' 3"	4048.40	541.19
2' 6"	36.72	4.909	6' 6"	248.23	35.18	15' 6"	1411.50	188.69	26' 6"	4125.90	551.55
2' 7"	39.21	5.241	6' 9"	267.69	35.78	15' 9"	1457.40	194.83	26' 9"	4204.10	562.00
2' 8"	41.78	5.585	7'	287.88	38.48	16'	1504.10	201.06	27'	4283.00	572.66
2' 9"	44.43	5.940	7' 3"	308.81	41.28	16' 3"	1551.40	207.39	27' 3"	4362.70	583.21
2' 10"	47.16	6.305	7' 6"	330.48	44.18	16' 6"	1599.50	213.82	27' 6"	4443.10	593.96
2' 11"	49.98	6.681	7' 9"	352.88	47.17	16' 9"	1648.40	220.35	27' 9"	4524.30	604.81
3'	52.88	7.069	8'	376.01	50.27	19'	2120.90	283.53	28'	4606.20	615.75
3' 1"	55.86	7.467	8' 3"	399.80	53.46	19' 3"	2177.10	291.04	28' 3"	4688.80	626.80
3' 2"	58.92	7.876	8' 6"	424.48	56.75	19' 6"	2234.00	298.65	28' 6"	4772.10	637.94
3' 3"	62.06	8.296	8' 9"	449.82	60.13	19' 9"	2291.70	306.35	28' 9"	4856.20	649.18
3' 4"	65.28	8.727	9'	475.89	63.62	20'	2350.10	314.16	29'	4941.00	660.52
3' 5"	68.58	9.168	9' 3"	502.70	67.20	20' 3"	2409.20	322.06	29' 3"	5026.60	671.96
3' 6"	71.97	9.621	9' 6"	530.24	70.88	20' 6"	2469.10	330.06	29' 6"	5112.90	683.49
3' 7"	75.44	10.085	9' 9"	558.51	74.66	20' 9"	2529.60	338.16	29' 9"	5199.90	695.13
3' 8"	78.99	10.559	10'	587.52	78.54	21'	2591.00	346.36	30'	5287.70	706.86
3' 9"	82.62	11.045	10' 3"	617.26	82.52	21' 3"	2653.00	354.66	30' 3"	5376.20	718.69
3' 10"	86.33	11.541	10' 6"	647.74	86.59	21' 6"	2715.80	363.05	30' 6"	5465.40	730.62
3' 11"	90.13	12.048	10' 9"	678.95	90.76	21' 9"	2779.30	371.54	30' 9"	5555.40	742.64

To find the capacity of tanks greater than shown above, find a tank of one-half the size desired, and multiply its capacity by four, or find one one-third the size desired and multiply its capacity by 9.

CAPACITY OF SQUARE TANKS

DIMENSIONS IN FEET	CONTENTS IN GALLONS FOR DEPTH IN FEET OF:							
	1'	4'	5'	6'	8'	10'	11'	12'
4 x 4.....	119.68	479.	598.	718.	957.	1197.	1316.	1436.
5 x 5.....	187.00	748.	935.	1202.	1516.	1870.	2057.	2244.
6 x 6.....	269.28	1077.	1346.	1616.	2154.	2693.	2968.	3231.
7 x 7.....	366.52	1466.	1833.	2199.	2922.	3665.	4032.	4398.
8 x 8.....	478.72	1915.	2394.	2872.	3830.	4787.	5266.	5745.
9 x 9.....	605.88	2424.	3029.	3635.	4847.	6059.	6665.	7272.
10 x 10.....	748.08	2992.	3740.	4488.	5984.	7480.	8228.	8976.
11 x 11.....	905.08	3620.	4525.	5430.	7241.	9051.	9956.	10861.
12 x 12.....	1077.12	4308.	5386.	6463.	8617.	10771.	11848.	12925.

To find the capacity of a depth not given, multiply the capacity for one foot by the required depth in feet.

CYLINDRICAL TANKS SET HORIZONTALLY AND PARTIALLY FILLED

DIAMETER	GALLONS PER FOOT OF LENGTH WHEN TANK IS FILLED								
	1/10	1/5	3/10	2/5	1/2	3/5	7/10	4/5	9/10
1 ft.....	.3	.8	1.4	2.1	2.9	3.6	4.3	4.9	5.5
2 ft.....	1.2	3.3	5.9	8.8	11.7	14.7	17.5	20.6	22.2
3 ft.....	2.7	7.5	13.6	19.8	26.4	33.0	39.4	45.2	50.1
4 ft.....	4.9	13.4	23.8	35.0	47.0	59.0	70.2	80.5	89.0
5 ft.....	7.6	20.0	37.0	55.0	73.0	92.0	110.0	126.0	139.0
6 ft.....	11.0	30.0	53.0	78.0	106.0	133.0	158.0	182.0	201.0
7 ft.....	15.0	41.0	73.0	107.0	144.0	181.0	215.0	247.0	272.0
8 ft.....	19.0	52.0	96.0	140.0	188.0	235.0	281.0	322.0	356.0
9 ft.....	25.0	67.0	112.0	178.0	238.0	298.0	352.0	408.0	450.0
10 ft.....	30.0	83.0	149.0	219.0	294.0	368.0	440.0	504.0	556.0
11 ft.....	37.0	101.0	179.0	265.0	356.0	445.0	531.0	610.0	672.0
12 ft.....	44.0	120.0	214.0	315.0	423.0	530.0	632.0	741.0	800.0
13 ft.....	51.0	141.0	250.0	370.0	496.0	621.0	740.0	850.0	940.0
14 ft.....	60.0	164.0	291.0	430.0	576.0	722.0	862.0	989.0	1084.0
15 ft.....	68.0	188.0	334.0	494.0	661.0	829.0	988.0	1134.0	1253.0

