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Table of Volumes For Vertical Tanks
U.S. Gallons per foot of depth (gal/ft)

DIAMETER		VOLUME PER FOOT DEPTH		DIAMETER		VOLUME PER FOOT DEPTH	
FEET	INCHES	CUBIC FEET	GALLONS	FEET	INCHES	CUBIC FEET	GALLONS
0.5	6	0.1964	1.47	15.5	186	188.6924	1411.5
1.0	12	0.7854	5.87	16.0	192	201.8252	1504.1
1.5	18	1.7672	13.22	16.5	198	213.8252	1599.5
2.0	24	3.1415	23.50	17.0	204	226.9806	1697.9
2.5	30	4.9088	36.72	17.5	210	241.9052	1799.3
3.0	36	7.0686	52.88	18.0	216	254.4696	1903.6
3.5	42	9.6212	71.97	18.5	222	268.8032	2010.8
4.0	48	12.5664	94.00	19.0	228	283.5294	2120.9
4.5	54	15.9044	118.97	19.5	234	298.6484	2234.0
5.0	60	19.6350	146.88	20.0	240	314.1600	2350.1
5.5	66	23.7584	172.38	20.5	246	330.0644	2469.1
6.0	72	28.2744	211.51	21.0	252	346.3614	2591.0
6.5	78	33.1832	248.23	21.5	258	363.0512	2715.8
7.0	84	38.4846	287.88	22.0	264	380.1336	2843.6
7.5	90	44.1788	330.48	22.5	270	397.6088	2974.3
8.0	96	50.2656	376.01	23.0	276	415.4766	3108.0
8.5	102	56.7452	424.48	23.5	282	433.7372	3244.6
9.0	108	63.6174	475.89	24.0	288	452.3904	3384.1
9.5	114	70.8824	530.24	24.5	294	471.4364	3526.6
10.0	120	78.5400	587.52	25.0	300	490.8750	3672.0
10.5	126	86.5904	647.74	25.5	306	510.7064	3820.3
11.0	132	95.0334	710.90	26.0	312	530.9304	3971.6
11.5	138	103.8692	776.99	26.5	318	551.5472	4125.9
12.0	144	113.0976	846.03	27.0	324	572.5566	4283.0
12.5	150	122.7188	918.00	27.5	330	593.9588	4443.1
13.0	156	132.7326	992.91	28.0	336	615.7536	4606.2
13.5	162	143.1392	1070.8	28.5	342	637.9412	4772.1
14.0	168	153.9384	1151.5	29.0	348	660.5214	4941.0
14.5	174	165.1304	1235.3	29.5	354	683.4944	5112.9
15.0	180	176.7150	1321.9	30.0	360	706.8600	5287.7

$$Area = \pi r^2$$

Formula for finding area of a circle

$$\text{Weight of water} = 62.4 \text{ lbs/ft}^3$$

One gallon of water weigh 8.34 lbs