TABLE 45-E. CAPACITIES AND LIQUID SURFACE AREA OF CYLINDRICAL VESSELS, TANKS, CISTERNS, ETC., SET IN UPRIGHT (VERTICAL) POSITION

Diameter in feet and inches, area in square feet, and U.S. gallons capacity for one foot in depth

$$1 \text{ gallon} = 231 \text{ cubic inches} = \frac{1 \text{ cubic foot}}{7.4805} = 0.13368 \text{ cubic foot}$$

Diam		Area	Gals	Diam		Area	Gals	Diam		Area	Gals
Ft	In	Sq Ft	1 foot depth	Ft	In	Sq Ft	1 foot depth	Ft	In	Sq Ft	1 foot depth
1		0.785	5.87	5	8	25.22	188.66	19		283.53	2,120.9
1	1	0.922	6.89	5	9	25.97	194.25	19	3	291.04	2,177.1
1	2	1.069	8.00	5	10	26.73	199.92	19	6	298.65	2,234.0
1	3	1.227	9.18	5	11	27.49	205.67	19	9	306.35	2,291.7
1	4	1.396	10.44	6		28.27	211.51	20		314.16	2,350.1
1	5	1.576	11.79	6	3	30.68	229.50	20	3	322.06	2,409.2
1	6	1.767	13.22	6	6	33.18	248.23	20	6	330.06	2,469.1
1	7	1.969	14.73	6	9	35.78	267.69	20	9	338.16	2,529.6
1	8	2.182	16.32	7		38.48	287.88	21		346.36	2,591.0
1	9	2.405	17.99	7	3	41.28	308.81	21	3	354.66	2,653.0
1	10	2.640	19.75	7	6	44.18	330.48	21	6	363.05	2,715.8
1	11	2.885	21.58	7	9	47.17	352.88	21	9	371.54	2,779.3
2		3.142	23.50	8		50.27	376.01	22		380.13	2,843.6
2	1	3.409	25.50	8	3	53.46	399.88	22	3	388.82	2,908.6
2	2	3.687	27.58	8	6	56.75	424.48	22	6	397.61	2,974.3
2	3	3.976	29.74	8	9	60.13	449.82	22	9	406.49	3,040.8
2	4	4.276	31.99	9		63.62	475.89	23		415.48	3,108.0
2	5	4.587	34.31	9	3	67.20	502.70	23	3	424.56	3,175.9
2	6	4.909	36.72	9	6	70.88	530.24	23	6	433.74	3,244.6
2	7	5.241	39.21	9	9	74.66	558.51	23	9	443.01	3,314.0
2	8	5.585	41.78	10		78.54	587.52	24		452.39	3,384.1
2	9	5.940	44.43	10	3	82.52	617.26	24	3	461.86	3,455.0
2	10	6.305	47.16	10	6	86.59	647.74	24	6	471.44	3,526.6
2	11	6.681	49.98	10	9	90.76	678.95	24	9	481.11	3,598.9
3		7.069	52.88	11		95.03	710.90	25		490.87	3,672.0
3	1	7.467	55.86	11	3	99.40	743.58	25	3	500.74	3,745.8
3	2	7.876	58.92	11	6	103.87	776.99	25	6	510.71	3,820.3
3	3	8.296	62.06	11	9	108.43	811.14	25	9	520.77	3,895.6
3	4	8.727	65.28	12		113.10	846.03	26		530.93	3,971.6
3	5	9.168	68.58	12	3	117.86	881.65	26	3	541.19	4,048.4
3	6	9.621	71.97	12	6	122.72	918.00	26	6	551.55	4,125.9
3	7	10.085	75.44	12	9	127.68	955.09	26	9	562.00	4,204.1
3	8	10.559	78.99	13		132.73	992.91	27		572.56	4,283.0
3	9	11.045	82.62	13	3	137.89	1,031.5	27	3	583.21	4,362.7
3	10	11.541	86.33	13	6	143.14	1,070.8	27	6	593.96	4,443.1
3	11	12.048	90.13	13	9	148.49	1,110.8	27	9	604.81	4,524.3
4		12.566	94.00	14		153.94	1,151.5	28		615.75	4,606.2
4	1	13.095	97.96	14	3	159.48	1,193.0	28	3	626.80	4,688.8
4	2	13.635	102.00	14	6	165.13	1,235.3	28	6	637.94	4,772.1
4	3	14.186	106.12	14	9	170.87	1,278.2	28	9	649.18	4,856.2
4	4	14.748	110.32	15		176.71	1,321.9	29		660.52	4,941.0
4	5	15.321	114.61	15	3	182.65	1,366.4	29	3	671.96	5,028.6
4	6	15.90	118.97	15	6	188.69	1,411.5	29	6	683.49	5,112.9
4	7	16.50	123.42	15	9	194.83	1,457.4	29	9	695.13	5,199.9
4	8	17.10	127.95	16		201.06	1,504.1	30		706.86	5,287.7
4	9	17.72	132.56	16	3	207.39	1,551.4	30	3	718.69	5,376.2
4	10	18.35	137.25	16	6	213.82	1,599.5	30	6	730.62	5,465.4
4	11	18.99	142.02	16	9	220.35	1,648.4	30	9	742.64	5,555.4
5		19.63	146.88	17		226.98	1,697.9	31		754.77	5,646.1
5	1	20.29	151.82	17	3	233.71	1,748.2	31	3	766.99	5,737.5
5	2	20.97	156.83	17	6	240.53	1,799.3	31	6	779.31	5,829.7
5	3	21.65	161.93	17	9	247.45	1,851.1	31	9	791.73	5,922.6
5	4	22.34	167.12	18		254.47	1,903.6	32		804.25	6,016.2
5	5	23.04	172.38	18	3	261.59	1,956.8	32	3	816.86	6,110.6
5	6	23.76	177.72	18	6	268.80	2,010.8	32	6	829.58	6,205.7
5	7	24.48	183.15	18	9	276.12	2,065.5	32	9	842.39	6,301.5

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