



# HydroTec TS - Epoxy Liquid (Bolted) Capacity Chart (For Water Tanks With Concrete Floors; U.S. Units)

US Units															
Model Diameter	Sheets	Exact Diameter (feet)	Capacity Per Foot (gallons)	Maximum Water Height (±0.1 ft)											
				AWWA										AISC Zones 0,1	
				Zone = 0,1		Zone = 2A		Zone = 2B		Zone = 3		Zone = 4		Max. Liq Ht. (feet)	Max Capacity (Gal)
				Max. Liq Ht. (feet)	Max Capacity (Gal)	Max. Liq Ht. (feet)	Max Capacity (Gal)	Max. Liq Ht. (feet)	Max Capacity (Gal)	Max. Liq Ht. (feet)	Max Capacity (Gal)	Max. Liq Ht. (feet)	Max Capacity (Gal)		
11	4	11.19	735	65.1	47,849	46.4	34,104	40.2	29,547	32.9	24,182	28.4	20,874	65.1	47,849
14	5	13.98	1,149	138.4	159,022	114.0	130,986	98.7	113,406	80.7	92,724	69.8	80,200	138.4	159,022
17	6	16.78	1,655	138.4	229,052	114.1	188,836	99.0	163,845	80.9	133,890	70.1	116,016	138.4	229,052
20	7	19.58	2,252	138.4	311,677	114.4	257,629	99.2	223,398	81.1	182,637	70.4	158,541	138.4	311,677
22	8	22.37	2,942	138.4	407,173	114.7	337,447	99.5	292,729	81.5	239,773	70.7	207,999	138.4	407,173
25	9	25.17	3,724	138.4	515,402	115.0	428,260	99.8	371,655	81.8	304,623	71.1	264,776	138.4	515,402
28	10	27.97	4,597	138.4	636,225	111.2	511,186	96.7	444,530	79.3	364,542	69.1	317,653	138.4	636,225
31	11	30.77	5,563	138.4	769,919	106.9	594,685	93.0	517,359	76.5	425,570	66.7	371,052	138.4	769,919
34	12	33.56	6,620	138.4	916,208	103.2	683,184	89.8	594,476	74.1	490,542	64.6	427,652	138.4	916,208
36	13	36.36	7,770	138.4	1,075,368	99.9	776,223	87.1	676,767	71.9	558,663	62.9	488,733	138.4	1,075,368
39	14	39.16	9,011	134.5	1,211,980	97.0	874,067	84.6	762,331	70.0	630,770	61.3	552,374	134.5	1,211,980
42	15	41.96	10,345	130.5	1,350,023	94.4	976,568	82.5	853,463	68.4	707,598	60.1	621,735	130.5	1,350,023
45	16	44.75	11,770	126.9	1,493,613	92.1	1,084,017	80.6	948,662	67.0	788,590	58.9	693,253	126.9	1,493,613
48	17	47.55	13,287	123.8	1,644,931	90.0	1,195,830	78.9	1,048,344	65.8	874,285	57.9	769,317	123.8	1,644,931
50	18	50.35	14,896	120.7	1,797,947	88.1	1,312,338	76.6	1,141,034	64.8	965,261	57.0	849,072	120.7	1,797,947
53	19	53.15	16,598	116.5	1,933,667	86.5	1,435,727	76.1	1,263,108	63.8	1,058,952	56.3	934,467	116.5	1,933,667
56	20	55.95	18,391	110.7	2,035,884	84.9	1,561,396	74.8	1,375,647	62.8	1,154,955	55.7	1,024,379	110.7	2,035,884
59	21	58.74	20,276	105.4	2,137,090	83.6	1,695,074	73.9	1,498,396	62.1	1,259,140	55.2	1,119,235	105.4	2,137,090
62	22	61.54	22,253	100.6	2,238,652	82.4	1,833,647	72.9	1,622,244	61.5	1,368,560	54.7	1,217,239	100.6	2,238,652
64	23	64.34	24,322	96.3	2,342,209	81.4	1,979,811	72.2	1,756,048	60.9	1,481,210	54.3	1,320,685	96.3	2,342,209
67	24	67.13	26,483	92.2	2,441,733	80.5	2,131,882	71.4	1,890,886	60.6	1,604,870	54.1	1,432,730	92.2	2,441,733
70	25	69.93	28,736	88.6	2,546,010	79.6	2,287,386	70.8	2,034,509	60.3	1,732,781	53.8	1,545,997	88.6	2,546,010
73	26	72.73	31,081	85.2	2,648,101	78.9	2,452,291	70.3	2,184,994	60.0	1,864,860	53.5	1,662,834	85.2	2,648,101
76	27	75.53	33,518	82.0	2,748,476	78.3	2,624,459	69.9	2,342,908	59.7	2,001,025	53.1	1,779,806	82.0	2,748,476
78	28	78.32	36,046	79.1	2,851,239	77.7	2,800,774	69.4	2,501,592	59.4	2,141,132	52.7	1,899,624	79.1	2,851,239
81	29	81.12	38,667	76.4	2,954,159	76.4	2,954,159	69.0	2,668,023	59.0	2,281,353	52.3	2,022,284	76.4	2,954,159
84	30	83.92	41,380	73.8	3,053,844	73.8	3,053,844	68.7	2,842,806	58.6	2,424,868	52.0	2,151,760	73.8	3,053,844
87	31	86.72	44,184	71.4	3,154,738	71.4	3,154,738	68.3	3,017,767	58.1	2,567,090	51.7	2,284,313	71.4	3,154,738
90	32	89.51	47,081	69.2	3,258,005	69.2	3,258,005	68.0	3,201,508	57.7	2,716,574	51.4	2,419,963	69.2	3,258,005
92	33	92.31	50,070	67.1	3,359,697	67.1	3,359,697	67.1	3,359,697	57.4	2,874,018	51.2	2,563,584	67.1	3,359,697
95	34	95.11	53,150	65.1	3,460,065	65.1	3,460,065	65.1	3,460,065	57.1	3,034,865	51.0	2,710,650	65.1	3,460,065
98	35	97.91	56,323	63.3	3,565,246	63.3	3,565,246	63.3	3,565,246	56.8	3,199,146	50.7	2,855,576	63.3	3,565,246
101	36	100.70	59,587	61.5	3,664,601	61.5	3,664,601	61.5	3,664,601	56.6	3,372,624	50.6	3,015,102	61.5	3,664,601
104	37	103.50	62,944	59.8	3,764,051	59.8	3,764,051	59.8	3,764,051	56.3	3,543,747	50.5	3,178,672	59.8	3,764,051
106	38	106.30	66,392	58.3	3,870,654	58.3	3,870,654	58.3	3,870,654	56.1	3,724,591	50.3	3,339,518	58.3	3,870,654
109	39	109.10	69,932	56.8	3,972,138	56.8	3,972,138	56.8	3,972,138	55.9	3,909,199	50.2	3,510,586	56.8	3,972,138
112	40	111.90	73,565	55.3	4,068,145	55.3	4,068,145	55.3	4,068,145	55.3	4,068,145	50.0	3,678,250	55.3	4,068,145
115	41	114.69	77,289	54.0	4,173,606	54.0	4,173,606	54.0	4,173,606	54.0	4,173,606	49.9	3,856,721	54.0	4,173,606
117	42	117.49	81,105	52.7	4,274,234	52.7	4,274,234	52.7	4,274,234	52.7	4,274,234	49.7	4,030,919	52.7	4,274,234
120	43	120.29	85,013	51.5	4,378,170	51.5	4,378,170	51.5	4,378,170	51.5	4,378,170	49.7	4,225,146	51.5	4,378,170
123	44	123.09	89,013	50.3	4,477,354	50.3	4,477,354	50.3	4,477,354	50.3	4,477,354	49.5	4,406,144	50.3	4,477,354
126	45	125.89	93,105	49.2	4,580,766	49.2	4,580,766	49.2	4,580,766	49.2	4,580,766	49.2	4,580,766	49.2	4,580,766
129	46	128.68	97,289	48.1	4,679,601	48.1	4,679,601	48.1	4,679,601	48.1	4,679,601	48.1	4,679,601	48.1	4,679,601
131	47	131.48	101,565	47.1	4,783,712	47.1	4,783,712	47.1	4,783,712	47.1	4,783,712	47.1	4,783,712	47.1	4,783,712
134	48	134.27	105,933	46.1	4,883,511	46.1	4,883,511	46.1	4,883,511	46.1	4,883,511	46.1	4,883,511	46.1	4,883,511
137	49	137.07	110,393	45.2	4,989,764	45.2	4,989,764	45.2	4,989,764	45.2	4,989,764	45.2	4,989,764	45.2	4,989,764
140	50	139.87	114,945	44.3	5,092,064	44.3	5,092,064	44.3	5,092,064	44.3	5,092,064	44.3	5,092,064	44.3	5,092,064
143	51	142.67	119,589	43.4	5,190,163	43.4	5,190,163	43.4	5,190,163	43.4	5,190,163	43.4	5,190,163	43.4	5,190,163
145	52	145.46	124,324	42.6	5,296,202	42.6	5,296,202	42.6	5,296,202	42.6	5,296,202	42.6	5,296,202	42.6	5,296,202
148	53	148.26	129,152	41.7	5,385,638	41.7	5,385,638	41.7	5,385,638	41.7	5,385,638	41.7	5,385,638	41.7	5,385,638
151	54	151.06	134,072	41.0	5,496,952	41.0	5,496,952	41.0	5,496,952	41.0	5,496,952	41.0	5,496,952	41.0	5,496,952
154	55	153.86	139,083	40.2	5,591,137	40.2	5,591,137	40.2	5,591,137	40.2	5,591,137	40.2	5,591,137	40.2	5,591,137
157	56	156.66	144,187	39.5	5,695,387	39.5	5,695,387	39.5	5,695,387	39.5	5,695,387	39.5	5,695,387	39.5	5,695,387
159	57	159.46	149,382	38.8	5,796,022	38.8	5,796,022	38.8	5,796,022	38.8	5,796,022	38.8	5,796,022	38.8	5,796,022
162	58	162.26	154,670	38.1	5,892,927	38.1	5,892,927	38.1	5,892,927	38.1	5,892,927	38.1	5,892,927	38.1	5,892,927
171	61	170.65	171,082	36.3	6,210,273	36.3	6,210,273	36.3	6,210,273	36.3	6,210,273	36.3	6,210,273	36.3	6,210,273
179	64	179.04	188,318	34.6	6,515,800	34.6	6,515,800	34.6	6,515,800	34.6	6,515,800	34.6	6,515,800	34.6	6,515,800
187	67	187.43	206,381	33.0	6,810,573	33.0	6,810,573	33.0	6,810,573	33.0	6,810,573	33.0	6,810,573	33.0	6,810,573
193	69	193.03	218,898	32.1	7,026,615	32.1	7,026,615	32.1	7,026,615	32.1	7,026,615	32.1	7,026,615	32.1	7,026,615
201	72	201.42	238,340	30.7	7,317,033	30.7	7,317,033	30.7	7,317,033	30.7	7,317,033	30.7	7,317,033	30.7	7,317,033
210	75	209.81	258,609	29.5	7,628,968	29.5	7,628,968	29.5	7,628,968	29.5	7,628,968	29.5	7,628,968	29.5	7,628,968
218	78	218.20	279,712	28.4	7,943,809	28.4	7,943,809	28.4	7,943,809	28.4	7,943,809	28.4	7,943,809	28.4	7,943,809
227	81	226.59	301,642	27.3	8,234,817	27.3	8,234,817	27.3	8,234,817	27.3	8,234,817	27.3	8,234,817	27.3	8,234,817
235	84	234.99	324,399	26.3	8,531,700	26.3	8,531,700	26.3	8,531,700	26.3	8,531,700	26.3	8,531,700	26.3	8,531,700
243	87	243.38	347,984	25.4	8,838,803	25.4	8,838,803	25.4	8,838,803	25.4	8,838,803	25.4	8,838,803	25.4	8,838,803

**Notes for use with US Gallons:**

- 100 mph wind speed per AWWA
- 25 psf snow load
- Seismic zone 0, 1, 2A, 2B, 3, 4
- Importance Factor, I = 1.25
- Site Amplification Factor, S = 1.5
- Specific gravity 1.0 @ STP
- Structure height limitations are also dependent upon local soil conditions and construction techniques
- AWWA Designates AWWA D103-97; AISC Designates ANSI/AISC 360-05 Specification for Structural Steel Buildings, ASD
- Assumes a maximum material thickness of 0.5 inches HSLA.

**Conversions:** Gallons => Cubic feet      Gallons => Cubic meters  
 Multiply gallons by 0.13368      Multiply gallons by 0.003785