

**HYDROTEC CS** HydroTec CS - Epoxy Liquid (Bolted) Capacity Chart  
Freeboard 0 inches | Units = US Gallons

Model Ht		8	10	16	18	20	24	26	28	30	32	40	48	56	64	72	80	88	96	104	112	120	
Actual Ht (ft)		8.06	10.00	16.12	18.06	20.00	24.18	26.12	28.06	30.00	32.24	40.21	48.25	56.46	64.54	72.63	80.60	88.66	96.72	104.78	112.84	120.90	
Model Diam	Actual Inside Diam (ft)	Capacity per 12" Ht	CAPACITY IN US GALLONS (0" Freeboard)																				
9	9.231	501	4,035	5,007	8,071	9,042	10,013	12,106	13,077	14,049	15,020	16,141	20,131	24,157	28,267	32,314	36,361	40,354	44,389	48,424	52,460	56,495	60,530
12	12.308	890	7,174	8,901	14,348	16,075	17,801	21,522	23,249	24,975	26,702	28,696	35,788	42,946	50,252	57,447	64,641	71,740	78,914	86,088	93,262	100,436	107,610
15	15.385	1,391	11,209	13,907	22,419	25,117	27,815	33,628	36,326	39,024	41,722	44,837	55,919	67,103	78,519	89,760	101,002	112,093	123,303	134,512	145,721	156,931	168,140
18	18.462	2,003	16,141	20,027	32,283	36,168	40,053	48,424	52,309	56,195	60,080	64,566	80,524	96,628	113,067	129,255	145,443	161,414	177,556	193,697	209,839	225,980	242,121
21	21.539	2,726	21,970	27,258	43,941	49,229	54,517	65,911	71,199	76,487	81,775	87,881	109,602	131,522	153,896	175,930	197,964	219,703	241,673	263,643	285,614	307,584	329,554
24	24.616	3,560	28,696	35,603	57,392	64,299	71,206	86,088	92,995	99,902	106,808	114,784	143,153	171,784	201,008	229,787	258,566	286,959	315,655	344,351	373,046	401,742	430,438
26	26.154	4,019	32,394	40,191	64,787	72,584	80,381	97,181	104,978	112,775	120,572	129,575	161,600	193,920	226,910	259,398	291,885	323,937	356,331	388,725	421,118	453,512	485,906
29	29.709	5,186	41,798	51,859	83,597	93,658	103,718	125,395	135,456	145,517	155,578	167,194	208,517	250,221	292,788	334,708	376,627	417,985	459,783	501,582	543,380	585,179	626,977
32	32.680	6,275	50,576	62,750	101,153	113,326	125,500	151,729	163,903	176,076	188,250	202,306	252,307	302,769	354,276	404,999	455,722	505,765	556,341	606,918	657,494		
38	38.662	8,783	70,787	87,825	141,574	158,612	175,650	212,361	229,399	246,437	263,475	283,148	353,130	423,756	495,845	566,837	637,829	707,870	778,656				
41	41.592	10,164	81,923	101,641	163,845	183,564	203,282	245,768	265,486	285,205	304,923	327,691	408,682	490,418	573,848	656,008	738,168	819,227					
47	47.534	13,276	107,002	132,757	214,005	239,760	265,515	321,007	346,762	372,517	398,272	428,009	533,795	640,554	749,525	856,837	964,150						
54	54.962	17,749	143,057	177,490	286,114	320,547	354,981	429,172	463,605	498,038	532,471	572,229	713,659	856,391	1,002,081	1,145,552							
59	59.418	20,744	167,194	207,437	334,388	374,631	414,873	501,582	541,825	582,067	622,310	668,776	834,068	1,000,882	1,171,153								
65	65.360	25,100	202,306	251,000	404,612	453,306	502,000	606,918	655,612	704,306	753,000	809,224	1,009,229	1,211,075									
72	72.787	31,128	250,895	311,284	501,790	562,179	622,569	752,685	813,075	873,464	933,853	1,003,580	1,251,622	1,501,947									
74	74.272	32,412	261,237	324,115	522,474	585,353	648,231	783,711	846,590	909,468	972,346	1,044,948	1,303,214										
80	80.214	37,805	304,709	378,051	609,417	682,759	756,101	914,126	987,468	1,060,810	1,134,152	1,218,835	1,520,078										
84	84.670	42,122	339,503	421,220	679,006	760,723	842,439	1,018,509	1,100,226	1,181,942	1,263,659	1,358,012	1,693,654										
89	89.127	46,673	376,186	466,733	752,373	842,919	933,465	1,128,559	1,219,105	1,309,652	1,400,198	1,504,746											
92	92.098	49,837	401,684	498,368	803,369	900,052	996,736	1,205,053	1,301,737	1,398,420	1,495,103	1,606,738											
95	95.068	53,103	428,009	531,029	856,019	959,038	1,062,058	1,284,028	1,387,048	1,490,067	1,593,087	1,712,038											
99	99.525	58,199	469,082	581,988	938,164	1,051,070	1,163,976	1,407,247	1,520,152	1,633,058	1,745,964	1,876,329											
101	101.010	59,948	483,185	599,485	966,370	1,082,670	1,198,970	1,449,555	1,565,855	1,682,155	1,798,455	1,932,739											
104	103.981	63,527	512,027	635,269	1,024,053	1,147,295	1,270,538	1,536,080	1,659,322	1,782,564	1,905,806	2,048,107											
110	109.922	70,994	572,208	709,935	1,144,416	1,282,143	1,419,871	1,716,624	1,854,351	1,992,078	2,129,806	2,288,831											
120	120.321	85,061	685,595	850,614	1,371,189	1,536,208	1,701,228	2,056,784	2,221,803	2,386,822													
124	124.776	91,477	737,305	914,770	1,474,609	1,652,075	1,829,540	2,211,914	2,389,379	2,566,845													
136	136.661	109,733	884,451	1,097,334	1,768,902	1,981,785	2,194,667	2,653,353	2,866,236														
148	148.544	129,646	1,044,948	1,296,462	2,089,897	2,341,410	2,592,924																
154	154.486	140,226	1,130,220	1,402,258	2,260,439	2,532,477	2,804,515																
166	166.370	162,630	1,310,795	1,626,296	2,621,589	2,937,090	3,252,592																
178	178.253	186,691	1,504,729	1,866,909	3,009,458	3,371,638																	
184	184.195	199,345	1,606,720	1,993,449	3,213,440	3,600,170																	

AWWA Specifications
CST Storage Specifications
Seismic Zone 0, Freeboard = 0
Other sizes available upon request



**LIQUID STORAGE CAPACITY CHART**  
**- CHIME PANEL -**

**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

**HYDROTEC** HydroTec - Epoxy Liquid (Welded) Capacity Chart  
Freeboard 0 inches | Units = US Gallons

Model Ht		6	12	18	24	30	36	42	48	54	60	66	72	77	83	89	95	101	107	113	119	125	131	137	
Actual Ht		5.92	11.84	17.76	23.68	29.60	35.52	41.44	47.36	53.28	59.20	65.12	71.04	76.96	82.88	88.80	94.72	100.64	106.54	112.48	118.40	124.32	130.24	136.16	
Model (diam)	Actual diam (ft)																								
8	8	2,226	4,452	6,678	8,905	11,131	13,357	15,583	17,809	20,035	22,261	24,487	26,714	28,940	31,166	33,392	35,618	37,844	40,063	42,297	44,523	46,749	48,975	51,201	
9	9	2,817	5,635	8,452	11,270	14,087	16,905	19,722	22,540	25,357	28,175	30,992	33,809	36,627	39,444	42,262	45,079	47,897	50,705	53,532	56,349	59,166	61,984	64,801	
10	10	3,478	6,957	10,435	13,913	17,392	20,870	24,348	27,827	31,305	34,783	38,262	41,740	45,218	48,697	52,175	55,653	59,132	62,598	66,088	69,567	73,045	76,523	80,002	
11	11	4,209	8,418	12,626	16,835	21,044	25,253	29,461	33,670	37,879	42,088	46,297	50,505	54,714	58,923	63,132	67,341	71,549	75,744	79,967	84,176	88,384	92,593	96,802	
12	11.92	4,942	9,884	14,827	19,769	24,711	29,653	34,596	39,538	44,480	49,422	54,365	59,307	64,249	69,191	74,134	79,076	84,018	88,944	93,903	98,845	103,787	108,729	113,671	
13	12.92	5,806	11,613	17,419	23,225	29,031	34,838	40,644	46,450	52,256	58,063	63,869	69,675	75,481	81,288	87,094	92,900	98,706	104,493	110,319	116,125	121,931	127,738	133,544	
14	13.92	6,740	13,480	20,220	26,959	33,699	40,439	47,179	53,919	60,659	67,398	74,138	80,878	87,618	94,358	101,098	107,837	114,577	121,294	128,057	134,797	141,537	148,277	155,016	
15	14.92	7,743	15,486	23,229	30,972	38,715	46,458	54,201	61,944	69,687	77,430	85,173	92,916	100,659	108,402	116,145	123,888	131,631	139,348	147,117	154,860	162,603	170,346	178,089	