

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 & WELDED -

CST Storage | 9701 Renner Boulevard | Lenexa, KS 66219
(913) 621-3700 | www.CSTIndustries.com

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 Structural Steel Buildings, ASD
- Assumes a maximum material thickness of 0.5 inches HSLA.

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

BULKTEC CS BulkTec CS - Bolted Dry Bulk Storage Tanks - Capacity Chart

Nominal Size (Feet)		Capacity - Level Full (In Cubic Feet)			
Diam	Eave Height	Flat Without Bottom	45 Degree Hopper ****	60 Degree Hopper ****	
9.231	24.18	1,618	1,278	1,152	
	32.24	2,157	1,817	1,691	
	40.30	2,697	2,357	2,231	
	48.36	3,236	2,896	2,770	
	56.42	3,776	3,436	3,310	
	64.48	4,315	3,975	3,849	
	72.54	4,854	4,514	4,388	
	80.60	5,394	5,054	4,928	
	88.66	5,933	5,593	5,467	
	96.72	6,473	6,133	6,007	
12.308	24.18	2,877	2,151	1,837	
	32.24	3,836	3,110	2,796	
	40.30	4,795	4,069	3,755	
	48.36	5,754	5,028	4,714	
	56.42	6,713	5,987	5,673	
	64.48	7,672	6,946	6,632	
	72.54	8,631	7,905	7,591	
	80.60	9,590	8,864	8,550	
	88.66	10,549	9,823	9,509	
	96.72	11,508	10,782	10,468	
15.385	24.18	4,495	3,170	2,540	
	32.24	5,993	4,668	4,038	
	40.30	7,492	6,167	5,537	
	48.36	8,990	7,665	7,035	
	56.42	10,488	9,163	8,533	
	64.48	11,987	10,662	10,032	
	72.54	13,485	12,160	11,530	
	80.60	14,984	13,659	13,029	
	88.66	16,482	15,157	14,527	
	96.72	17,980	16,655	16,025	
18.462	24.18	6,473	4,290	3,182	
	32.24	8,631	6,448	5,340	
	40.30	10,788	8,605	7,497	
	48.36	12,946	10,763	9,655	
	56.42	15,104	12,921	11,813	
	64.48	17,261	15,078	13,970	
	72.54	19,419	17,236	16,128	
	80.60	21,577	19,394	18,286	
	88.66	23,734	21,551	20,443	
	96.72	25,892	23,709	22,601	
21.539	24.18	8,810	5,466	3,684	
	32.24	11,747	8,403	6,621	
	40.30	14,684	11,340	9,558	
	48.36	17,620	14,276	12,494	
	56.42	20,557	17,213	15,431	
	64.48	23,494	20,150	18,368	
	72.54	26,431	23,087	21,305	
	80.60	29,368	26,024	24,242	
	88.66	32,304	28,960	27,178	
	96.72	35,241	31,897	30,115	
24.616	32.24	15,343	10,486	7,802	
	40.30	19,179	14,322	11,638	
	48.36	23,015	18,158	15,474	
	56.42	26,850	21,993	19,309	
	64.48	30,686	25,829	23,145	
	72.54	34,522	29,665	26,981	
	80.60	38,358	33,501	30,817	
	88.66	42,194	37,337	34,653	
	96.72	46,030	41,173	38,489	
	26.154	32.24	17,321	11,562	8,330
40.30		21,651	15,892	12,660	
48.36		25,981	20,222	16,990	
56.42		30,311	24,552	21,320	
64.48		34,642	28,883	25,651	
72.54		38,972	33,213	29,981	
80.60		43,302	37,543	34,311	
88.66		47,632	41,873	38,641	
96.72		51,962	46,203	42,971	
29.709		32.24	22,349	14,098	9,326
	40.30	27,936	19,685	14,913	
	48.36	33,524	25,273	20,501	
	56.42	39,111	30,860	26,088	
	64.48	44,698	36,447	31,675	
	72.54	50,285	42,034	37,262	
	80.60	55,873	47,622	42,850	
	88.66	61,460	53,209	48,437	
	96.72	67,047	58,796	54,024	
	32.680	32.24	27,043	16,228	9,846
40.30		33,804	22,989	16,607	
48.36		40,564	29,749	23,367	
56.42		47,325	36,510	30,128	
64.48		54,086	43,271	36,889	
72.54		60,846	50,031	43,649	
80.60		67,607	56,792	50,410	
88.66		74,368	63,553	57,171	
96.72		81,128	70,313	63,931	
38.622		32.24	37,771	20,345	-
	40.30	47,214	29,788	19,175	
	48.36	56,656	39,230	28,618	
	56.42	66,099	48,673	38,060	
	64.48	75,542	58,116	47,503	
	72.54	84,984	67,558	56,946	
	80.60	94,427	77,001	66,388	
	88.66	103,870	86,444	75,831	
	96.72	113,312	95,886	85,274	
	41.592	40.30	54,754	33,200	19,908
48.36		65,705	44,151	30,859	
56.42		76,656	55,102	41,810	
64.48		87,606	66,052	52,760	
72.54		98,557	77,003	63,711	
80.60		109,508	87,954	74,662	
88.66		120,459	98,905	85,613	
96.72		131,409	109,855	96,563	
47.534		40.30	71,516	39,849	-
		48.36	85,819	54,152	34,218
	56.42	100,122	68,455	48,521	
	64.48	114,426	82,759	62,824	
	72.54	128,729	97,062	77,128	
	80.60	143,032	111,365	91,431	
	88.66	157,335	125,668	105,734	
	96.72	171,638	139,971	120,037	
	54.961	48.36	114,732	-	-
		56.42	133,854	-	-
64.48		152,976	-	-	
72.54		172,098	-	-	
80.60		191,220	-	-	
88.66		210,342	-	-	
96.72	229,464	-	-		

****Based on a hopper outlet diameter of 1.00' and with a hopper clearance of 2.50'

BULKTEC BulkTec - Factory Welded Tanks - Capacity Chart

Nominal Size (In Feet)		Capacity - Level Full (In Cubic Feet)	
Diameter	Eave Height	45 Degree Hopper ****	60 Degree Hopper ****
8.00	17.76	641	562
	23.68	939	860
	29.60	1,236	1,157
	35.52	1,534	1,455
	41.44	1,831	1,752
	47.36	2,129	2,050
	53.28	2,426	2,347
	59.20	2,724	2,645
	65.12	3,022	2,943
	71.04	3,319	3,240
9.00	17.76	791	674
	23.68	1,168	1,051
	29.60	1,544	1,427
	35.52	1,921	1,804
	41.44	2,297	2,180
	47.36	2,674	2,557
	53.28	3,051	2,934
	59.20	3,427	3,310
	65.12	3,804	3,687
	71.04	4,180	4,063
10.00	17.76	950	787
	23.68	1,415	1,252
	29.60	1,880	1,717
	35.52	2,345	2,182
	41.44	2,810	2,647
	47.36	3,275	3,112
	53.28	3,740	3,577
	59.20	4,205	4,042
	65.12	4,670	4,507
	71.04	5,135	4,972
11.00	17.76	1,118	897
	23.68	1,681	1,460
	29.60	2,243	2,022
	35.52	2,806	2,585
	41.44	3,368	3,147
	47.36	3,931	3,710
	53.28	4,494	4,273
	59.20	5,056	4,835
	65.12	5,619	5,398
	71.04	6,181	5,960
11.92	17.76	1,278	995
	23.68	1,939	1,656
	29.60	2,599	2,316
	35.52	3,260	2,977
	41.44	3,921	3,638
	47.36	4,581	4,298
	53.28	5,242	4,959
	59.20	5,902	5,619
	65.12	6,563	6,280
	71.04	7,224	6,941
12.92	17.76	1,458	1,093
	23.68	2,214	1,656
	29.60	2,970	2,316
	35.52	3,726	2,977
	41.44	4,483	3,638
	47.36	5,239	4,298
	53.28	6,000	4,959
	59.20	6,756	5,619
	65.12	7,517	6,280
	71.04	8,278	6,941
13.92	17.76	1,642	1,181
	23.68	2,543	2,082
	29.60	3,444	2,983
	35.52	4,345	3,884
	41.44	5,246	4,785
	47.36	6,147	5,686
	53.28	7,048	6,587
	59.20	7,949	7,488
	65.12	8,849	8,388
	71.04	9,750	9,289
14.92	17.76	1,828	1,255
	23.68	2,863	2,290
	29.60	3,898	3,325
	35.52	4,933	4,360
	41.44	5,968	5,395
	47.36	7,003	6,430
	53.28	8,038	7,465
	59.20	9,073	8,500
	65.12	10,108	9,535
	71.04	11,143	10,570

****Based on a hopper outlet diameter of 1.00' and with a hopper clearance of 2.83'

BULKTEC CS BulkTec CS - Grain Tank - Capacity Chart

Nominal Size (In Feet)				
Diameter	Eave Height	Air Volume / Capacity (cu ft) ****		
38.622	40.30	51,529		
	48.36	60,972		
	56.42	70,414		
	64.48	79,857		
	72.54	89,300		
	80.60	98,742		
	88.66	108,185		
	96.72	117,628		
	104.78	127,070		
	47.534	40.30	79,594	
48.36		93,897		
56.42		108,200		
64.48		122,504		
72.54		136,807		
80.60		151,110		
88.66		165,413		
96.72		179,716		
104.78		194,020		
53.476		40.30	102,032	
	48.36	120,135		
	56.42	138,237		
	64.48	156,340		
	72.54	174,443		
	80.60	192,545		
	88.66	210,648		
	96.72	228,751		
	104.78	246,853		
	59.418	40.30	127,561	
48.36		149,910		
56.42		172,259		
64.48		194,608		
72.54		216,958		
80.60		239,307		
88.66		261,656		
96.72		284,005		
68.330		40.30	171,853	
		48.36	201,409	
	56.42	230,965		
	64.48	260,521		
	72.54	290,078		
	80.60	319,634		
	88.66	349,190		
	96.72	378,746		
	74.272	40.30	205,525	
		48.36	240,445	
56.42		275,365		
64.48		310,285		
72.54		345,205		
80.60		380,125		
88.66		415,045		
96.72		449,965		
80.214		40.30	242,622	
		48.36	283,353	
	56.42	324,084		
	64.48	364,815		
	72.54	405,546		
	80.60	446,277		
	88.66	487,008		
	96.72	527,739		
	89.127	40.30	304,895	
		48.36	355,181	
56.42		405,466		
64.48		455,752		
72.54		506,037		
98.039		40.30	375,400	
		48.36	436,245	
		56.42	497,089	
		64.48	557,934	
		72.54	618,779	
	103.981	40.30	427,144	
		48.36	495,588	
		56.42	564,031	
		64.48	632,475	
		72.54	700,918	
112.894		40.30	512,066	
		48.36	592,746	
		56.42	673,426	
		64.48	754,106	
		118.835	40.30	573,727
	48.36		663,122	
	56.42		752,517	
	64.48		841,912	
	130.719		48.36	817,749
			56.42	925,918
64.48			1,034,087	
72.54			1,142,256	
148.544			48.36	1,085,716
			56.42	1,225,396

****Based on a deck slope of 30 and with a 8' diameter center compression ring for <= 103.981' diameter and with a 10' diameter center compression ring for > 103.981' diameter



DRY BULK STORAGE CAPACITY CHART