

AQUASTORE® TANK CAPACITY CHART WATER TANKS WITH CONCRETE FLOORS (US Gallons x 1000)



Model Diameter	Sheets	Exact Diameter (feet)	Capacity Per Foot (gallons)	Maximum Water Depth							Model Sidewall Height																																	
				AWWA Z = 0,1 Design (feet)	AWWA Z = 2A Design (feet)	AWWA Z = 2B Design (feet)	AWWA Z = 3 Design (feet)	AWWA Z = 4 Design (feet)	AISC Z = 0,1 Design (feet)	Actual Sidewall Height (feet)																																		
										6	10	15	19	24	28	33	38	42	47	51	56	61	65	70	74	79	83	88	93	97	102	106	111	116	120	125	129	134	138					
11	4	11.19	735	65.1	46.4	40.2	32.8	28.4	65.1	4	7	10	14	17	20	24	27	30	34	37	41	44	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	5	13.98	1,149	138.4	113.2	97.8	80.1	69.3	138.4	6	11	16	22	27	32	37	43	48	53	58	64	69	74	80	85	90	95	101	106	111	116	122	127	132	137	143	148	153	159					
17	6	16.78	1,655	138.4	105.0	91.2	73.9	63.7	138.4	9	16	24	31	39	47	54	62	69	77	84	92	100	107	115	122	130	138	145	153	160	168	175	183	191	198	206	213	221	229					
20	7	19.58	2,252	138.4	98.4	84.7	69.3	60.5	138.4	12	22	33	43	53	64	74	84	94	105	115	125	136	146	156	167	177	187	198	208	218	229	239	249	260	270	280	291	301	311					
22	8	22.37	2,942	138.4	92.2	80.1	65.7	57.5	138.4	16	29	43	56	70	83	97	110	124	137	151	164	178	191	204	218	231	245	258	272	285	299	312	326	339	353	366	380	393	407					
25	9	25.17	3,724	123.2	88.7	76.5	62.7	54.9	138.4	20	37	54	71	88	105	122	139	157	174	191	208	225	242	259	276	293	310	327	344	361	378	395	413	430	447	464	481	498	515					
28	10	27.97	4,597	110.9	84.7	72.9	60.5	52.9	131.0	25	46	67	88	109	130	151	172	193	214	236	257	278	299	320	341	362	383	404	425	446	467	488	509	530	552	573	594	602						
31	11	30.77	5,563	100.8	81.1	70.9	58.5	50.3	119.0	30	56	81	107	132	158	183	209	234	260	285	311	336	362	387	413	438	464	489	515	540	566	591	617	642	662									
34	12	33.56	6,620	92.4	78.5	68.3	56.5	49.3	109.1	36	66	97	127	157	188	218	248	279	309	338	370	400	430	461	491	521	552	582	612	643	673	703	722											
36	13	36.36	7,770	85.3	75.5	66.3	54.9	48.3	100.7	42	78	114	149	185	220	256	292	327	363	398	434	470	505	541	576	612	648	683	719	755	782													
39	14	39.16	9,011	79.2	73.9	64.7	53.9	47.3	93.5	49	90	132	173	214	256	297	338	380	421	462	503	545	586	627	669	710	751	793	834	842														
42	15	41.96	10,345	73.9	71.9	62.7	52.9	46.8	87.3	57	104	151	199	246	294	341	388	436	483	531	578	625	673	720	768	815	863	903																
45	16	44.75	11,770	69.3	69.3	61.7	51.9	45.8	81.9	64	118	172	226	280	334	388	442	496	550	604	658	712	766	820	873	927	963																	
48	17	47.55	13,287	65.2	65.2	60.5	51.3	44.8	77.0	73	134	195	255	316	377	438	499	560	621	682	743	803	864	925	986	1,023																		
50	18	50.35	14,896	61.6	61.6	59.5	50.3	44.8	72.8	82	150	218	286	355	423	491	559	628	696	764	833	901	969	1,037	1,083																			
53	19	53.15	16,598	58.3	58.4	58.4	49.3	43.8	68.9	91	167	243	319	395	471	547	623	700	776	852	928	1,004	1,080	1,143																				
56	20	55.95	18,391	55.4	55.4	55.4	49.3	43.8	65.5	101	185	269	354	438	522	607	691	775	859	944	1,028	1,112	1,197																					
59	21	58.74	20,276	52.8	52.8	52.8	48.3	42.8	62.4	111	204	297	390	483	576	669	762	855	948	1,040	1,133	1,226	1,264																					
62	22	61.54	22,253	50.4	50.4	50.4	48.3	42.8	59.5	122	224	326	428	530	632	734	836	938	1,040	1,142	1,244	1,324																						
64	23	64.34	24,322	48.2	48.2	48.2	48.2	42.2	56.9	134	245	356	468	579	691	802	914	1,025	1,137	1,248	1,360	1,384																						
67	24	67.13	26,483	46.2	46.2	46.2	46.2	42.2	54.6	145	267	388	510	631	752	874	995	1,116	1,238	1,359	1,445																							
70	25	69.93	28,736	44.3	44.4	44.4	44.4	41.2	52.4	158	290	421	553	685	816	948	1,080	1,211	1,343	1,475	1,505																							
73	26	72.73	31,081	42.6	42.6	42.6	42.6	41.2	50.4	171	313	456	598	741	883	1,025	1,168	1,310	1,453	1,565																								
76	27	75.53	33,518	41.1	41.1	41.1	41.1	41.1	48.5	184	338	491	645	799	952	1,106	1,260	1,413	1,567	1,625																								
78	28	78.32	36,046	39.6	39.6	39.6	39.6	39.6	46.8	198	363	529	694	859	1,024	1,189	1,355	1,520	1,685																									
81	29	81.12	38,667	38.2	38.2	38.2	38.2	38.2	45.2	213	390	567	744	921	1,099	1,276	1,453	1,630	1,746																									
84	30	83.92	41,380	37.0	37.0	37.0	37.0	37.0	43.6	228	417	607	796	986	1,176	1,365	1,555	1,745	1,806																									
87	31	86.72	44,184	35.8	35.8	35.8	35.8	35.8	42.2	243	445	648	848	1,053	1,255	1,458	1,660	1,863																										
90	32	89.51	47,081	34.6	34.6	34.6	34.6	34.6	40.9	259	475	691	906	1,122	1,338	1,554	1,769	1,926																										
92	33	92.31	50,070	33.6	33.6	33.6	33.6	33.6	39.7	275	505	734	964	1,193	1,423	1,652	1,882	1,986																										
95	34	95.11	53,150	32.6	32.6	32.6	32.6	32.6	38.5	292	536	780	1,023	1,267	1,510	1,754	1,998	2,046																										
98	35	97.91	56,323	31.7	31.7	31.7	31.7	31.7	37.4	310	568	826	1,084	1,342	1,601	1,859	2,107																											
101	36	100.70	59,587	30.8	30.8	30.8	30.8	30.8	36.4	328	601	874	1,147	1,420	1,693	1,966	2,167																											
104	37	103.50	62,944	30.0	30.0	30.0	30.0	30.0	35.4	346	635	923	1,212	1,500	1,789	2,077	2,227																											
106	38	106.30	66,392	29.2	29.2	29.2	29.2	29.2	34.5	365	670	974	1,278	1,582	1,887	2,191	2,287																											
109	39	109.10	69,932	28.4	28.4	28.4	28.4	28.4	33.6	385	705	1,026	1,346	1,667	1,987	2,308	2,347																											
112	40	111.90	73,565	27.7	27.7	27.7	27.7	27.7	32.7	405	742	1,079	1,416	1,754	2,091	2,408																												
115	41	114.69	77,289	27.0	27.0	27.0	27.0	27.0	31.9	425	780	1,134	1,488	1,842	2,197	2,468																												
117	42	117.49	81,105	26.4	26.4	26.4	26.4	26.4	31.2	446	818	1,190	1,562	1,933	2,305	2,528																												
120	43	120.29	85,013	25.8	25.8	25.8	25.8	25.8	30.5	468	858	1,247	1,637	2,026	2,416	2,588																												
123	44	123.09	89,013	25.2	25.2	25.2	25.2	25.2	29.8	490	898	1,306	1,714	2,122	2,530	2,648																												
126	45	125.89	93,105	24.6	24.6	24.6	24.6	24.6	29.1	513	939	1,366	1,793	2,219	2,646	2,709																												
129	46	128.68	97,289	24.1	24.1	2																																						