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

AQUASTORE® Tanks & Domes

Model Diameter	# Sheets	Exact Diameter (feet)	Capacity Per Foot (gallons)	Max Water Depth (Ft) AISC Design A .375" max.	B .5" max.	Actual Sidewall Height (feet) - Number of Rings - Courses																																		
						5.51	10.09	14.68	19.26	23.84	28.43	33.01	37.59	42.17	46.76	51.34	55.92	60.51	65.09	69.67	74.26	78.84	83.42	88.00	92.59	97.17	101.75	106.34	110.92	115.50	120.09	124.67	129.25	133.83	138.42		
						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
11	4	11.19	735	65.1	**65.1**	4	7	10	14	17	20	24	27	30	34	37	41	44	47	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																				68.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	5	13.98	1,149	138.4	**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	158	159	-		
																																			138	141.24	-		
17	6	16.78	1,655	138.4	**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	227	229	-		
																																			138	141.24	-		
20	7	19.58	2,252	138.4	**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	309	311	-		
																																			138	141.24	-		
22	8	22.37	2,942	138.4	**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	404	407	-		
																																			137.54	141.24	-		
25	9	25.17	3,724	138.4	**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	512	515	-		
																																			138	141.24	-		
28	10	27.97	4,597	126.8	**138.4**	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	590	607	624	636	-		
																																	128.37	132.07	135.77	139.47	-		
31	11	30.77	5,563	115.2	**138.4**	30	56	81	107	132	158	183	209	234	260	285	311	336	362	387	413	438	464	489	515	540	566	591	617	637	658	678	699	719	740	761	770		
																														114.62	118.32	122.02	125.72	129.43	133.13	136.83	140.53		
34	12	33.56	6,620	105.7	**138.4**	36	66	97	127	157	188	218	248	279	309	339	370	400	430	461	491	521	552	582	612	643	673	698	722	747	771	796	820	845	869	894	916		
																												105.45	109.16	112.86	116.56	120.26	123.96	127.66	131.36	135.06	138.77		
36	13	36.36	7,770	97.5	**133.2**	42	78	114	149	185	220	256	292	327	363	398	434	470	505	541	576	612	648	683	719	755	783	812	841	870	898	927	956	985	1,013	1,034			
																											100.87	104.57	108.27	111.98	115.68	119.38	123.08	126.78	130.48	134.18		
39	14	39.16	9,011	90.6	**123.9**	49	90	132	173	214	256	297	338	380	421	462	503	545	586	627	669	710	751	793	826	859	893	926	959	993	1,026	1,059	1,093	1,116					
																									91.71	95.41	99.11	102.81	106.51	110.21	113.91	117.61	121.32	125.02					
42	15	41.96	10,345	84.5	**115.6**	57	104	151	199	246	294	341	388	436	483	531	578	625	673	720	768	815	862	901	939	977	1,016	1,054	1,092	1,131	1,169	1,195							
																								87.12	90.82	94.52	98.23	101.93	105.63	109.33	113.03	116.73							
45	16	44.75	11,770	79.2	**108.4**	64	118	172	226	280	334	388	442	496	550	604	658	712	766	820	873	927	971	1,015	1,058	1,102	1,145	1,189	1,232	1,275								
																							82.54	86.24	89.94	93.64	97.34	101.05	104.75	108.45								
48	17	47.55	13,287	74.6	**102.0**	73	134	195	255	316	377	438	499	560	621	682	743	803	864	925	986	1,035	1,084	1,134	1,183	1,232	1,281	1,330	1,355									
																						77.96	81.66	85.36	89.06	92.76	96.46	100.16	103.87									
50	18	50.35	14,896	70.4	**96.4**	82	150	218	286	355	423	491	559	628	696	764	833	901	969	1,037	1,092	1,148	1,203	1,258	1,313	1,368	1,423	1,435										
																					73.37	77.07	80.78	84.48	88.18	91.88	95.58	99.28									
53	19	53.15	16,598	66.7	**91.3**	91	167	243	319	395	471	547	623	700	776	852	928	1,004	1,080	1,141	1,203	1,264	1,326	1,387	1,448	1,510	1,515											
																				68.79	72.49	76.19	79.89	83.60	87.30	91.00	94.70											
56	20	55.95	18,391	63.4	**86.7**	101	185	269	354	438	522	607	691	775	859	944	1,028	1,112	1,180	1,248	1,316	1,385	1,453	1,521	1,589	1,594													
																			64.21	67.91	71.61	75.31	79.01	82.71	86.41	90.12													
59	21	58.74	20,276	60.4	**82.6**	111	204	297	390	483	576	669	762	855	948	1,040	1,133	1,208	1,283	1,359	1,434	1,509	1,584	1,659	1,674													
																		59.62	63.33	67.03	70.73	74.43	78.13	81.83	85.53													
62	22	61.54	22,253	57.6	**78.8**	122	224	326	428	530	632	734	836	938	1,040	1,142	1,244	1,326	1,409	1,491	1,573	1,656	1,738	1,753														
																		59.62	63.33	67.03	70.73	74.43	78.13	81.83														
64	23	64.34	24,322	55.1	**75.4**	134	245	356	468	579	691	802	914	1,025	1,137	1,248	1,338	1,428	1,518	1,608	1,698	1,788	1,833															
																	55.04	58.74	62.44	66.15	69.85	73.55	77.25															
67	24	67.13	26,483	52.8	**72.3**	145	267	388	510	631	752	874	995	1,116	1,238	1,359	1,457	1,555	1,653	1,751	1,849	1,914																
																	55.04	58.74	62.44	66.15	69.85	73.55															
70	25	69.93	28,736	50.7	**69.4**	158	290	421	553	685	816	948	1,080	1,211	1,343	1,449	1,566	1,662	1,769	1,875	1,981	1,994																
																50.46	54.16	57.86	61.56	65.26	68.96	72.67																
73	26	72.73	31,081	48.8	**66.7**	171	313	456	598	741	883	1,025	1,168	1,310	1,453	1,568	1,683	1,798	1,913	2,028	2,073																	
																50.46	54.16	57.86	61.56	65.26	68.96																	
76	27	75.53	33,518	46.9	**64.2**	184	338	491	645	799	952	1,106	1,259	1,413	1,567	1,691	1,815	1,939	2,063	2,151																		
																50.46	54.16	57.86	61.56	65.26																		
78	28	78.32	36,046	45.3	**61.9**	198	363	529	694	859	1,024	1,189	1,355	1,520	1,653	1,787	1,920	2,053	2,187	2,231																		
															45.88	49.58	53.28	56.98	60.68	64.38																		
81	29	81.12	38,667	43.7	**59.8**	213	390	567	744	921	1,099	1,276	1,453	1,630	1,773	1,916	2,060	2,203	2,312																			
															45.88	49.58	53.28	56.98	60.68																			
84	30	83.92	41,380	42.3	**57.8**	228	417	607	796	986	1,176	1,365	1,555	1,745	1,898	2,051	2,204	2,357	2,391																			
															45.88	49.58	53.28	56.98	60.68																			
87	31	86.72	44,184	40.9	**55.9**	243	445	648	850	1,053	1,255	1,458	1,660	1,824	1,987	2,151	2,315	2,469																			
														41.29	44.99	48.69	52.40	56.10																			
90	32	89.51	47,081	39.6	**54.2**	259	475	690	906	1,122	1,338	1,554	1,769	1,944	2,118	2,292	2,466	2,551																			
														41.29	44.99	48.69	52.40	56.10																			
92	33	92.31	50,070	38.4	**52.5**	275	505	734	964	1,193	1,423	1,652	1,882	2,067	2,252	2,438	2,623	2,628																			
														41.29	44.99	48.69	52.40	56.10																			
95	34	95.11	53,150	37.3	**51.0**	292	536	780	1,023	1,267	1,510	1,754	1,951	2,147	2,344	2,541	2,710																				
													36.71	40.41	44.11	47.81	51.51																				
98	35	97.91	56,323	36.2	**49.5**	310	568	826	1,084	1,342	1,600	1,859	2,067	2,276	2,484	2,692	2,787																				
													36.71	40.41	44.11	47.81	51.51																				
101	36	100.70	59,587	35.2	**48.2**	328	601	874	1,147	1,420	1,693	1,966	2,187	2,407	2,628	2,849	2,872																				
													36.71	40.41	44.11	47.81	51.51																				
104	37	103.50	62,944	34.3	**46.9**	346	635	923	1,212	1,500	1,789	2,077	2,310	2,543	2,776	2,952																					
													36.71	40.41	44.11	47.81																					

AQUASTORE® Tanks & Domes
Glass Tanks with a Heart of Steel™

SPLIT-CELL CHART KEY:

1,836
56.09

1. Top number is tank volume (x 1000) in US Gallons
2. Bottom number is actual sidewall height with 44" high shell sheets

Notes:

1. 100 mph wind speed
2. 25 psf live snow load
3. Importance Factor, I = 1.25
4. Site Amplification Factor, S = 1.5
5. Specific gravity 1.0 @ STP
6. Structure height limitations dependent upon local soil conditions and construction techniques
7. AISC designates American Institute of Steel Construction Inc
8. Model Designation => Model Diameter & Model Sidewall Height
   Example: *Model Designation 4228 => 42' diameter & 28' height*
9. For steel floor option: Add .678' X Capacity Per Foot (gallons) to listed capacities
10. No freeboard allowance except in the darker gray shaded areas at the far right end of the rows, where the freeboard is variable

AQUASTORE® Tanks & Domes
ENGINEERED STORAGE PRODUCTS COMPANY

AISC - English Units

Part#: 274483-000
ECN#: 07387
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Engineered Storage Products

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

Model Diameter	# Sheets	Exact Diameter (feet)	Capacity Per Foot (gallons)	Max Water Depth (Ft) AISC Design A .375" max.	B .5" max.	Actual Sidewall Height (feet) - Number of Rings - Courses 5.51 (1)	10.09 (2)	14.68 (3)	19.26 (4)	23.84 (5)	28.43 (6)	33.01 (7)	37.59 (8)	42.17 (9)	46.76 (10)	51.34 (11)	55.92 (12)	60.51 (13)	65.09 (14)	69.67 (15)	74.26 (16)	78.84 (17)	83.42 (18)	88.00 (19)	92.59 (20)	97.17 (21)	101.75 (22)	106.34 (23)	110.92 (24)	115.50 (25)	120.09 (26)	124.67 (27)	129.25 (28)	133.83 (29)	138.42 (30)	(31)	(32)
106	38	106.30	66,392	33.4	**45.6**	365	670	974	1,278	1,582	1,887	2,191	2,437	2,682	2,928	3,027																				
													36.71	40.41	44.11	47.81																				
109	39	109.10	69,932	32.5	**44.4**	385	705	1,026	1,346	1,667	1,987	2,246	2,505	2,764	3,023	3,104																				
												32.13	35.83	39.53	43.23	46.93																				
112	40	111.90	73,565	31.7	**43.3**	405	742	1,079	1,416	1,753	2,091	2,363	2,635	2,907	3,180	3,185																				
												32.13	35.83	39.53	43.23	46.93																				
115	41	114.69	77,289	30.9	**42.3**	425	780	1,134	1,488	1,842	2,196	2,483	2,769	3,055	3,269																					
												32.13	35.83	39.53	43.23																					
117	42	117.49	81,105	30.2	**41.3**	446	818	1,190	1,562	1,933	2,305	2,605	2,905	3,205	3,349																					
												32.13	35.83	39.53	43.23																					
120	43	120.29	85,013	29.5	**40.3**	468	858	1,247	1,637	2,026	2,416	2,731	3,045	3,360	3,426																					
												32.13	35.83	39.53	43.23																					
123	44	123.09	89,013	28.8	**39.4**	490	898	1,306	1,714	2,122	2,530	2,859	3,189	3,507																						
												32.13	35.83	39.53																						
126	45	125.89	93,105	28.2	**38.5**	513	939	1,366	1,793	2,219	2,564	2,909	3,253	3,584																						
											27.54	31.24	34.95	38.65																						
129	46	128.68	97,289	27.6	**37.7**	536	981	1,427	1,873	2,319	2,679	3,039	3,399	3,667																						
											27.54	31.24	34.95	38.65																						
131	47	131.48	101,565	27.0	**36.9**	559	1,025	1,490	1,956	2,421	2,797	3,173	3,549	3,747																						
											27.54	31.24	34.95	38.65																						
134	48	134.27	105,933	26.4	**36.1**	583	1,069	1,554	2,040	2,525	2,917	3,309	3,701	3,824																						
											27.54	31.24	34.95	38.65																						
137	49	137.07	110,393	25.9	**35.4**	608	1,114	1,620	2,126	2,631	3,040	3,449	3,857	3,907																						
											27.54	31.24	34.95	38.65																						
140	50	139.87	114,945	25.4	**34.7**	633	1,160	1,686	2,213	2,740	3,165	3,591	3,988																							
											27.54	31.24	34.95																							
143	51	142.67	119,589	24.9	**34.0**	658	1,207	1,755	2,303	2,851	3,293	3,736	4,066																							
											27.54	31.24	34.95																							
145	52	145.46	124,324	24.4	**33.3**	685	1,254	1,824	2,394	2,964	3,424	3,884	4,139																							
											27.54	31.24	34.95																							
148	53	148.26	129,152	23.9	**32.7**	711	1,303	1,895	2,487	3,079	3,557	4,035	4,223																							
											27.54	31.24	34.95																							
151	54	151.06	134,072	23.5	**32.1**	738	1,353	1,967	2,582	3,078	3,574	4,070	4,303																							
										22.96	26.66	30.36	34.06																							
154	55	153.86	139,083	23.0	**31.5**	766	1,403	2,041	2,678	3,193	3,708	4,222	4,381																							
										22.96	26.66	30.36	34.06																							
157	56	156.66	144,187	22.6	**30.9**	794	1,455	2,116	2,776	3,310	3,844	4,377	4,455																							
										22.96	26.66	30.36	34.06																							
159	57	159.46	149,382	22.2	**30.4**	823	1,507	2,192	2,876	3,429	3,982	4,535	4,541																							
										22.96	26.66	30.36	34.06																							
162	58	162.26	154,670	21.9	**29.9**	852	1,561	2,269	2,978	3,551	4,123	4,624																								
										22.96	26.66	30.36																								
171	61	170.65	171,082	20.8	**28.4**	942	1,726	2,510	3,294	3,928	4,561	4,858																								
										22.96	26.66	30.36																								
179	64	179.04	188,318	19.8	**27.1**	1,037	1,900	2,763	3,626	4,323	5,020	5,103																								
										22.96	26.66	30.36																								
187	67	187.43	206,381	18.9	**25.9**	1,137	2,083	3,028	3,792	4,556	5,320	5,345																								
										18.38	22.08	25.78	29.48																							
193	69	193.03	218,898	18.4	**25.1**	1,206	2,209	3,212	4,022	4,832	5,494																									
										18.38	22.08	25.78																								
201	72	201.42	238,340	17.6	**24.1**	1,313	2,405	3,497	4,380	5,262	5,743																									
										18.38	22.08	25.78																								
210	75	209.81	258,609	16.9	**23.1**	1,424	2,610	3,795	4,752	5,709	5,973																									
										18.38	22.08	25.78																								
218	78	218.20	279,712	16.3	**22.2**	1,541	2,823	4,105	5,140	6,175	6,209																									
										18.38	22.08	25.78																								
227	81	226.59	301,642	15.6	**21.4**	1,662	3,044	4,426	5,543	6,455																										
										18.38	22.08																									
235	84	234.99	324,399	15.1	**20.6**	1,787	3,274	4,760	5,961	6,682																										
										18.38	22.08																									
243	87	243.38	347,984	14.6	**19.9**	1,917	3,512	4,800	6,088	6,924																										
								13.79	17.50	21.20																										

Tanks & Domes
Glass Tanks with a Heart of Steel™

SPLIT-CELL CHART KEY:

1,836
56.09

1. Top number is tank volume (x 1000) in US Gallons
2. Bottom number is actual sidewall height with 44" high shell sheets

Notes:

1. 100 mph wind speed
2. 25 psf live snow load
3. Importance Factor, I = 1.25
4. Site Amplification Factor, S = 1.5
5. Specific gravity 1.0 @ STP
6. Structure height limitations dependent upon local soil conditions and construction techniques
7. AISC designates American Institute of Steel Construction Inc
8. Model Designation => Model Diameter & Model Sidewall Height
   ***Example**: Model Designation 4228 => 42' diameter & 28' height*
9. For steel floor option: Add .678' X Capacity Per Foot (gallons) to listed capacities
10. No freeboard allowance except in the darker gray shaded areas at the far right end of the rows, where the freeboard is variable

Part#: 274483-000
ECN#: 07387
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AISC - English Units