

AQUASTORE® TANK CAPACITY CHART (AWWA D103)
WATER TANKS WITH CONCRETE FLOORS (US Gallons x 1000)



Model Diameter	Sheets	Exact Diameter (feet)	Capacity Per Foot (gallons)	Max Water Depth (Ft) AWWA Design		Freeboard		Model Sidewall Height Actual Sidewall Height (feet)																															
				A .375" max.	B .5" max.	GF=1	Conc=0																																
						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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Height						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	68.79	44.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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	159	159	-		
Height						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	142.12	44.37		
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	-	213	221	229	229	-		
Height						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	142.12	44.37		
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	311	311	-		
Height						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	142.12	44.37		
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	407	407	-		
Height						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	142.12	44.37		
25	9	25.17	3,724	123.2	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	460	474	488	502	515	-		
Height						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	123.79	127.49	131.19	134.89	138.59	2.04		
28	10	27.97	4,597	110.9	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	505	522	539	556	573	590	607	624	636		
Height						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	110.04	113.74	117.44	121.14	124.84	128.54	132.24	135.95	139.65		
31	11	30.77	5,563	100.8	134.6	30	56	81	107	132	158	183	209	234	260	285	311	336	362	387	413	438	464	489	515	540	561	581	602	622	643	664	684	705	725	746	748		
Height						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	100.87	104.57	108.27	111.98	115.68	119.38	123.08	126.78	130.48	134.18	137.88		
34	12	33.56	6,620	92.4	123.2	36	66	97	127	157	188	218	248	279	309	339	370	400	430	461	491	521	552	582	607	631	656	680	705	729	754	778	803	815					
Height						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	91.71	95.41	99.11	102.81	106.51	110.21	113.91	117.61	121.32	125.02	21.80				
36	13	36.36	7,770	85.3	113.9	42	78	114	149	185	220	256	292	327	363	398	434	470	505	541	576	612	648	676	705	734	763	791	820	849	878	885							
Height						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	87.12	90.82	94.52	98.23	101.93	105.63	109.33	113.03	116.73	33.99						
39	14	39.16	9,011	79.2	105.7	49	90	132	173	214	256	297	338	380	421	462	503	545	586	627	669	710	743	777	810	843	877	910	943	952									
Height						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	82.54	86.24	89.94	93.64	97.34	101.05	104.75	108.45	32.98								
42	15	41.96	10,345	73.9	98.7	57	104	151	199	246	294	341	388	436	483	531	578	625	673	720	759	797	835	873	912	950	988	1021											
Height						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	73.37	77.07	80.78	84.48	88.18	91.88	95.58	99.28	6.98										
45	16	44.75	11,770	69.3	92.5	64	118	172	226	280	334	388	442	496	550	604	658	712	766	809	853	896	940	983	1027	1071	1088												
Height						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	68.79	72.49	76.19	79.89	83.60	87.30	91.00	94.70	26.39											
48	17	47.55	13,287	65.2	87.1	73	134	195	255	316	377	438	499	560	621	682	743	803	864	914	963	1012	1061	1110	1157														
Height						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	68.79	72.49	76.19	79.89	83.60	87.30	2.36													
50	18	50.35	14,896	61.6	82.2	82	150	218	286	355	423	491	559	628	696	764	833	901	956	1011	1066	1121	1176	1224															
Height						5.51	10.09	14.68	19.26	23.84	28.43	33.01	37.59	42.17																									

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