

**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)		Actual Sidewall Height (feet) - Number of Rings - Courses													Actual Sidewall Height (feet) - Number of Rings - Courses																						
				AWWA Z = 2A		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												
				A	B	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					
106	38	106.30	66,392	29.2	38.9	365	670	974	1,278	1,582	1,887	2,132	2,378	2,582	27.54	31.24	34.95	38.65																							
109	39	109.10	69,932	28.4	37.9	385	705	1,026	1,346	1,667	1,926	2,184	2,443	2,650	27.54	31.24	34.95	38.65																							
112	40	111.90	73,565	27.7	37.0	405	742	1,079	1,416	1,753	2,026	2,298	2,570	2,721	27.54	31.24	34.95	38.65																							
115	41	114.69	77,289	27.0	36.1	425	780	1,134	1,488	1,842	2,128	2,414	2,700	2,790	27.54	31.24	34.95	38.65																							
117	42	117.49	81,105	26.4	35.2	446	818	1,190	1,562	1,933	2,233	2,534	2,834	2,854	27.54	31.24	34.95	38.65																							
120	43	120.29	85,013	25.8	34.4	468	858	1,247	1,637	2,026	2,341	2,656	2,924		27.54	31.24	34.95																								
123	44	123.09	89,013	25.2	33.6	490	898	1,306	1,714	2,122	2,451	2,781	2,990		27.54	31.24	34.95																								
126	45	125.89	93,105	24.6	32.9	513	939	1,366	1,793	2,219	2,564	2,909	3,063		27.54	31.24	34.95																								
129	46	128.68	97,289	24.1	32.1	536	981	1,427	1,873	2,319	2,679	3,039	3,122		27.54	31.24	34.95																								
131	47	131.48	101,565	23.6	31.5	559	1,025	1,490	1,956		2,331	2,707	3,083	3,199		22.96	26.66	30.36	34.06																						
134	48	134.27	105,933	23.1	30.8	583	1,069	1,554	2,040		2,432	2,824	3,216	3,262		22.96	26.66	30.36	34.06																						
137	49	137.07	110,393	22.6	30.2	608	1,114	1,620	2,126		2,534	2,943	3,333		22.96	26.66	30.36																								
140	50	139.87	114,945	22.2	29.6	633	1,160	1,686	2,213		2,639	3,064	3,402		22.96	26.66	30.36																								
143	51	142.67	119,589	21.7	29.0	658	1,207	1,755	2,303		2,745	3,188	3,468		22.96	26.66	30.36																								
145	52	145.46	124,324	21.3	28.4	685	1,254	1,824	2,394		2,854	3,314	3,530		22.96	26.66	30.36																								
148	53	148.26	129,152	20.9	27.9	711	1,303	1,895	2,487		2,965	3,443	3,603		22.96	26.66	30.36																								
151	54	151.06	134,072	20.5	27.4	738	1,353	1,967	2,582		3,078	3,574	3,673		22.96	26.66	30.36																								
154	55	153.86	139,083	20.2	26.9	766	1,403	2,041	2,678		3,193	3,708	3,741		22.96	26.66	30.36																								
157	56	156.66	144,187	19.8	26.4	794	1,455	2,116	2,776		3,310	3,806			22.96	26.66																									
159	57	159.46	149,382	19.4	25.9	823	1,507	2,192	2,876		3,429	3,868			22.96	26.66																									
162	58	162.26	154,670	19.1	25.5	852	1,561	2,269		2,842	3,414	3,944			18.38	22.08	25.78																								
171	61	170.65	171,082	18.2	24.2	942	1,726	2,510		3,144	3,777	4,140			18.38	22.08	25.78																								
179	64	179.04	188,318	17.3	23.1	1,037	1,900	2,763		3,460	4,157	4,350			18.38	22.08	25.78																								
187	67	187.43	206,381	16.5	22.1	1,137	2,083	3,028		3,792	4,556	4,561			18.38	22.08	25.78																								
193	69	193.03	218,898	16.1	21.4	1,206	2,209	3,212		4,022	4,684				18.38	22.08																									
201	72	201.42	238,340	15.4	20.5	1,313	2,405	3,497		4,380	4,885				18.38	22.08																									
210	75	209.81	258,609	14.8	19.7	1,424	2,610	3,795		4,752	5,094				18.38	22.08																									
218	78	218.20	279,712	14.2	18.9	1,541	2,823		3,858	4,893	5,286				13.79	17.50	21.20																								
227	81	226.59	301,642	13.7	18.2	1,662	3,044		4,160	5,277	5,489				13.79	17.50	21.20																								
235	84	234.99	324,399	13.2	17.6	1,787	3,274		4,474	5,675	5,709				13.79	17.50	21.20																								
243	87	243.38	347,984	12.7	17.0	1,917	3,512		4,800	5,915					13.79	17.50																									

SPLIT-CELL CHART KEY:
 1,836 1. Top number is tank volume (x 1000) in US Gallons
 56.09 2. Bottom number is actual sidewall height with 44" high shell sheets

Notes:

- 100 mph wind speed
- 25 psf live snow load
- Seismic zone 2A
- Importance Factor, I = 1.25
- Site Amplification Factor, S = 1.5
- Specific gravity 1.0 @ STP
- Structure height limitations dependent upon local soil conditions and construction techniques
- AWWA Designates AWWA D103-97
- Model Designation => Model Diameter & Model Sidewall Height
Example: Model Designation 4228 => 42' diameter & 28' height
- For steel floor option: Add .678' X Capacity Per Foot (gallons) to listed capacities
- No freeboard allowance except in the darker gray shaded areas at the far right end of the rows, where the freeboard is variable

Part#: 274479-000
 ECN#: 07387
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AWWA Seismic 2A English Units

