

Model Diameter	# Sheets	Exact Diameter (feet)	Capacity Per Foot (gallons)	Max Water Depth (Ft) AISC Design		Actual Sidewall Height (feet) - Number of Rings - Courses											Actual Sidewall Height (feet) - Number of Rings - Courses											Actual Sidewall Height (feet) - Number of Rings - Courses										
				A	B	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			
				.375" max.	.5" max.	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	
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																						
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																						
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																						
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																							
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																							
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																							
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																								
126	45	125.89	93,105	28.2	38.5	513	939	1,366	1,793	2,219	2,654	2,999	3,323	3,584																								
129	46	128.68	97,289	27.6	37.7	536	981	1,427	1,873	2,319	2,769	3,039	3,399	3,667																								
131	47	131.48	101,565	27.0	36.9	559	1,025	1,490	1,956	2,421	2,897	3,173	3,549	3,747																								
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																								
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																								
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																									
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																									
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																									
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																									
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																									
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																									
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																									
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																									
162	58	162.26	154,670	21.9	29.9	852	1,561	2,269	2,978	3,551	4,123	4,624																										
171	61	170.65	171,082	20.8	28.4	942	1,726	2,510	3,294	3,928	4,561	4,858																										
179	64	179.04	188,318	19.8	27.1	1,037	1,900	2,763	3,626	4,323	5,020	5,103																										
187	67	187.43	206,381	18.9	25.9	1,137	2,083	3,028	3,792	4,556	5,320	5,345																										
193	69	193.03	218,898	18.4	25.1	1,206	2,209	3,212	4,022	4,832	5,494																											
201	72	201.42	238,340	17.6	24.1	1,313	2,405	3,497	4,380	5,262	5,743																											
210	75	209.81	258,609	16.9	23.1	1,424	2,610	3,795	4,752	5,709	5,973																											
218	78	218.20	279,712	16.3	22.2	1,541	2,823	4,105	5,140	6,175	6,209																											
227	81	226.59	301,642	15.6	21.4	1,662	3,044	4,426	5,543	6,455																												
235	84	234.99	324,399	15.1	20.6	1,787	3,274	4,760	5,961	6,682																												
243	87	243.38	347,984	14.6	19.9	1,917	3,512	4,800	6,088	6,924																												



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 0,1
 - 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
 - AISC designates American Institute of Steel Construction Inc
 - 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#: 274483-000
ECN#: 07387
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AISC - Seismic 0,1 - English Units