

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	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	2,649	2,964	3,284	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	2,779	3,039	3,309	3,567			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	2,897	3,173	3,459	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	2,997	3,309	3,601	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																							



SPLIT-CELL CHART KEY:

1,836
56.09

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

Notes:

- 100 mph wind speed
- 25 psf live snow load
- 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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