

Series 1400 Capacity Chart

Nominal Volume US Gallons

Model Diameter Ref.	SPR	Diameter (ft)	Base Area (ft ²)	Model Height Ref. and Nominal Height in Feet									
				05 4.68 ft	10 9.27 ft	15 13.87 ft	20 18.46 ft	25 23.05 ft	30 27.65 ft	35 32.24 ft	40 36.83 ft	45 41.43 ft	50 46.02 ft
11	4	11.21	98.6	3452	6840	10229	13617	17006	20394	23783	27172	30560	33949
14	5	14.01	154.1	5393	10688	15982	21277	26572	31866	37161	42456	47750	53045
17	6	16.81	221.9	7766	15390	23014	30639	38263	45887	53512	61136	68760	76385
20	7	19.61	302.1	10570	20948	31325	41703	52080	62458	72835	83213	93590	103968
22	8	22.41	394.5	13806	27360	40915	54469	68023	81578	95132	108686	122241	135795
25	9	25.21	499.3	17473	34628	51783	68937	86092	103247	120401	137556	154711	171865
28	10	28.02	616.4	21572	42751	63929	85108	106286	127465	148644	169822	191001	212179
31	11	30.82	745.9	26102	51728	77354	102980	128607	154233	179859	205485	231111	256737
34	12	33.62	887.7	31064	61561	92058	122555	153052	183550	214047	244544	275041	305538
36	13	36.42	1041.8	36457	72248	108040	143832	179624	215416	251208	287000	322791	358583
39	14	39.22	1208.2	42281	83791	125301	166811	208321	249831	291341	332852	374362	415872
42	15	42.02	1387.0	48537	96189	143841	191492	239144	286796	334448	382100	429752	477404
45	16	44.83	1578.1	55224	109441	163659	217876	272093	326310	380528	434745	488962	543179
48	17	47.63	1781.5	62343	123549	184755	245961	307168	368374	429580	490786	551992	613199
50	18	50.43	1997.3	69893	138512	207130	275749	344368	412987	481605	550224	618843	687461
53	19	53.23	2225.4	77875	154329	230784	307239	383694	460149	536603	613058	689513	765968
56	20	56.03	2465.8	86288	171002	255717	340431	425145	509860	594574	679289	764003	848718
59	21	58.83	2718.5	95132	188530	281928	375325	468723	562121	655518	748916	842314	935711
62	22	61.63	2983.6	104408	206913	309417	411922	514426	616930	719435	821939	924444	1026948
64	23	64.44	3261.0	114115	226150	338185	450220	562255	674290	786325	898359	1010394	1122429
67	24	67.24	3550.7	124254	246243	368232	490221	612209	734198	856187	978176	1100165	1222153
70	25	70.04	3852.8	134825	267191	399557	531923	664290	796656	929022	1061389	1193755	1326121
73	26	72.84	4167.2	145826	288994	432161	575328	718496	861663	1004831	1147998	1291165	1434333
76	27	75.64	4493.9	157259	311651	466043	620436	774828	929220	1083612	1238004	1392396	1546788
78	28	78.44	4832.9	169124	335164	501205	667245	833285	999325	1165366	1331406	1497446	1663487
81	29	81.25	5184.3	181420	359532	537644	715756	893868	1071980	1250093	1428205	1606317	1784429
84	30	84.05	5548.0	194147	384755	575362	765970	956577	1147185	1337792	1528400	1719007	1909615
87	31	86.85	5924.0	207306	410833	614359	817886	1021412	1224938	1428465	1631991	1835518	2039044
90	32	89.65	6312.4	220897	437765	654634	871503	1088372	1305241	1522110	1738979	1955848	2172717
92	33	92.45	6713.1	234918	465553	696188	926823	1157459	1388094	1618729	1849364	2079999	2310634
95	34	95.25	7126.1	249371	494196	739021	983846	1228670	1473495	1718320	1963145	2207969	
98	35	98.06	7551.5	264256	523694	783132	1042570	1302008	1561446	1820884	2080322	2339760	
101	36	100.86	7989.1	279572	554047	828522	1102997	1377471	1651946	1926421	2200896	2475370	

Notes:

1. The model reference consists of a diameter ref. followed by a height ref. - e.g. Model 5620 is 56.03 ft dia. x 18.46 ft high.
2. The nominal height is measured from the centreline of the bottom horizontal row of bolt holes to the top edge of the top sheet..
3. The nominal volumes shown are based on nominal heights. No allowance is made for freeboard or foundation detail
4. To obtain overall structure height over angles, take the nominal height and add 0.15ft
5. The diameters, nominal heights and capacities are for guidance only. Please contact Permastore for confirmation of availability.
6. Half sheets are available to give intermediate heights. Please ask for details.

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Model Diameter Ref.	SPR	Diameter (ft)	Base Area (ft ²)	Model Height Ref. and Nominal Height in Feet									
				05 4.68 ft	10 9.27 ft	15 13.87 ft	20 18.46 ft	25 23.05 ft	30 27.65 ft	35 32.24 ft	40 36.83 ft	45 41.43 ft	50 46.02 ft
104	37	103.66	8439.1	295320	585255	875190	1165125	1455060	1744996	2034931	2324866		
106	38	106.46	8901.5	311499	617318	923137	1228956	1534775	1840594	2146413	2452233		
109	39	109.26	9376.1	328109	650236	972362	1294489	1616616	1938742	2260869	2582996		
112	40	112.06	9863.1	345151	684009	1022866	1361724	1700582	2039440	2378297	2717155		
115	41	114.86	10362.5	362624	718637	1074649	1430661	1786674	2142686	2498699	2854711		
118	42	117.67	10874.1	380529	754119	1127710	1501301	1874892	2248482	2622073			
120	43	120.47	11398.1	398865	790457	1182050	1573642	1965235	2356827	2748420			
123	44	123.27	11934.4	417633	827650	1237668	1647686	2057704	2467722	2877740			
126	45	126.07	12483.0	436832	865698	1294565	1723432	2152299	2581166	3010033			
129	46	128.87	13044.0	456462	904601	1352741	1800880	2249020	2697159	3145298			
132	47	131.67	13617.3	476524	944359	1412195	1880030	2347866	2815701	3283537			
134	48	134.48	14202.9	497017	984972	1472928	1960883	2448838	2936793				
137	49	137.28	14800.9	517942	1026440	1534939	2043437	2551936	3060434				
140	50	140.08	15411.1	539298	1068763	1598229	2127694	2657159	3186624				
143	51	142.88	16033.8	561086	1111941	1662797	2213653	2764508	3315364				
146	52	145.68	16668.7	583305	1155975	1728644	2301314	2873983	3446653				
148	53	148.48	17316.0	605955	1200863	1795770	2390677	2985584	3580491				
151	54	151.29	17975.6	629037	1246606	1864174	2481742	3099310	3716879				
154	55	154.09	18647.5	652551	1293204	1933857	2574510	3215163	3855816				
157	56	156.89	19331.7	676496	1340657	2004818	2668979	3333140					
160	57	159.69	20028.3	700872	1388965	2077058	2765151	3453244					
162	58	162.49	20737.2	725680	1438128	2150577	2863025	3575473					
165	59	165.29	21458.5	750919	1488146	2225374	2962601	3699828					
168	60	168.09	22192.1	776589	1539019	2301449	3063879	3826309					
171	61	170.90	22938.0	802691	1590747	2378804	3166860	3954916					
174	62	173.70	23696.2	829225	1643331	2457436	3271542	4085648					
176	63	176.50	24466.7	856190	1696769	2537348	3377927	4218506					
179	64	179.30	25249.6	883586	1751062	2618538	3486014	4353490					
182	65	182.10	26044.8	911414	1806210	2701006	3595803	4490599					
185	66	184.90	26852.4	939673	1862213	2784754	3707294	4629834					
188	67	187.71	27672.3	968364	1919072	2869779	3820487						
190	68	190.51	28504.5	997486	1976785	2956084	3935383						
193	69	193.31	29349.0	1027039	2035353	3043667	4051980						

Notes:

1. The model reference consists of a diameter ref. followed by a height ref. - e.g. Model 5620 is 56.03 ft dia. x 18.46 ft high.
2. The nominal height is measured from the centreline of the bottom horizontal row of bolt holes to the top edge of the top sheet..
3. The nominal volumes shown are based on nominal heights. No allowance is made for freeboard or foundation detail
4. To obtain overall structure height over angles, take the nominal height and add 0.15ft
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196	70	196.11	30205.9	1057024	2094776	3132528	4170280								
199	71	198.91	31075.0	1087441	2155055	3222668	4290282								
202	72	201.71	31956.6	1118289	2216188	3314087	4411986								
205	73	204.52	32850.4	1149568	2278176	3406784	4535392								
207	74	207.32	33756.6	1181279	2341019	3500760	4660501								
210	75	210.12	34675.1	1213421	2404718	3596015	4787311								
213	76	212.92	35605.9	1245995	2469271	3692548	4915824								
216	77	215.72	36549.1	1279000	2534679	3790359	5046039								
219	78	218.52	37504.6	1312436	2600943	3889449	5177956								
221	79	221.32	38472.4	1346304	2668061	3989818	5311575								
224	80	224.13	39452.5	1380603	2736034	4091465	5446896								
227	81	226.93	40445.0	1415334	2804863	4194391	5583920								
230	82	229.73	41449.8	1450496	2874546	4298596	5722646								
233	83	232.53	42467.0	1486094	2945084	4404074									
235	84	235.33	43497.2	1522100	3016463	4510825									
238	85	238.13	44538.2	1558556	3088714	4618871									
241	86	240.94	45593.2	1595461	3161810	4728185									
244	87	243.73	46658.9	1632762	3235778	4838767									
247	88	246.54	47737.6	1670512	3310591	4950644									
249	89	249.34	48829.1	1708711	3386250	5063815									
252	90	252.14	49932.6	1747306	3462780	5178227									
255	91	254.94	51047.8	1786377	3540156	5293960									
258	92	257.74	52176.0	1825844	3618403	5410935									
261	93	260.55	53317.1	1865761	3697469	5529205									
263	94	263.35	54470.0	1906099	3777434	5648768									
266	95	266.15	55634.8	1946861	3858217	5769574									
269	96	268.95	56812.5	1988072	3939873	5891674									
272	97	271.75	58002.0	2029705	4022373	6015068									
275	98	274.55	59203.4	2071761	4105746	6139730									
277	99	277.35	60418.8	2114266	4189963	6265661									
280	100	280.16	61644.9	2157194	4275026	6392885									

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