



TANK SIZING GUIDE

Below is a table to aid in sizing a tank. In general, for a given capacity, it is more economical to select a smaller diameter tank with a longer shell than a larger diameter with a shorter shell. However, physical limitations such as available floor space, ceiling height, and door width sometimes dictate the size of a tank. Any intermediate sizes or larger and longer tanks may be specified if desired. Please consult factory for price and availability.

TABLE 2.1

	Model Number *	Diameter (inches)	Shell Length (inches)	Overall Length (inches)	Capacity ** (gallons)	Surface Area (sq. ft.)	Weight (lbs.) U,E,G ¹	Weight (lbs.) D ²
18" Diameter	ST18-24()	18	24	36	36	15	130	N/A
	ST18-36()	18	36	48	49	20	165	N/A
	ST18-48()	18	48	60	62	25	200	N/A
	ST18-60()	18	60	72	75	30	235	N/A
	ST18-x() x=desired length	18	x	x+12	add 13 gal. per extra ft.	add 5 ft ² per extra ft.	add 35 lbs. per extra ft.	N/A
24" Diameter	ST24-36()	24	36	51	91	31	235	330
	ST24-48()	24	48	63	115	37	285	400
	ST24-60()	24	60	75	139	43	335	470
	ST24-72()	24	72	87	163	49	385	540
	ST24-x() x=desired length	24	x	x+15	add 24 gal. per extra ft.	add 6 ft ² per extra ft.	add 50 lbs. per extra ft.	add 70 lbs. per extra ft.
30" Diameter	ST30-48()	30	48	66	185	47	380	525
	ST30-60()	30	60	78	222	55	440	610
	ST30-72()	30	72	90	259	63	500	695
	ST30-84()	30	84	102	296	71	560	780
	ST30-x() x=desired length	30	x	x+18	add 37 gal. per extra ft.	add 8 ft ² per extra ft.	add 60 lbs. per extra ft.	add 85 lbs. per extra ft.



TABLE 2.1 Continued

	Model Number *	Diameter (inches)	Shell Length (inches)	Overall Length (inches)	Capacity ** (gallons)	Surface Area (sq. ft.)	Weight (lbs.) U,E,G ¹	Weight (lbs.) D ²
36" Diameter	ST36-48()	36	48	69	275	60	500	680
	ST36-60()	36	60	81	328	70	573	785
	ST36-72()	36	72	93	381	80	646	890
	ST36-84()	36	84	105	434	90	719	995
	ST36-x() x=desired length	36	x	x+21	add 53 gal. per extra ft.	add 10 ft ² per extra ft.	add 73 lbs. per extra ft.	add 105 lbs. per extra ft.
42" Diameter	ST42-60()	42	60	84	457	86	950	1210
	ST42-72()	42	72	96	529	97	1062	1355
	ST42-84()	42	84	108	601	108	1174	1500
	ST42-96()	42	96	120	673	119	1286	1645
	ST42-108()	42	108	132	745	130	1398	1790
	ST42-120()	42	120	144	817	141	1510	1935
	ST42-x() x=desired length	42	x	x+24	add 72 gal. per extra ft.	add 11 ft ² per extra ft.	add 112 lbs. per extra ft.	add 145 lbs. per extra ft.
48" Diameter	ST48-60()	48	60	87	605	97	1150	1445
	ST48-72()	48	72	99	699	109	1278	1610
	ST48-84()	48	84	111	793	121	1406	1775
	ST48-96()	48	96	123	887	133	1534	1940
	ST48-108()	48	108	135	987	145	1662	2105
	ST48-120()	48	120	147	1075	157	1790	2270
	ST48-144()	48	144	171	1263	181	2046	2600
	ST48-x() x=desired length	48	x	x+27	add 94 gal. per extra ft.	add 12 ft ² per extra ft.	add 128 lbs. per extra ft.	add 165 lbs. per extra ft.



TABLE 2.1 Continued

	Model Number *	Diameter (inches)	Shell Length (inches)	Overall Length (inches)	Capacity ** (gallons)	Surface Area (sq. ft.)	Weight (lbs.) U,E,G ¹	Weight (lbs.) D ²
54" Diameter	ST54-60()	54	60	88	767	110	1615	1945
	ST54-72()	54	72	100	886	124	1800	2175
	ST54-84()	54	84	112	1005	138	1985	2405
	ST54-96()	54	96	124	1124	152	2170	2635
	ST54-108()	54	108	136	1243	166	2355	2865
	ST54-120()	54	120	148	1362	180	2540	3095
	ST54-144()	54	144	172	1600	208	2910	3555
	ST54-x() x=desired length	54	x	x+28	add 119 gal. per extra ft.	add 14 ft ² per extra ft.	add 185 lbs. per extra ft.	add 230 lbs. per extra ft.
60" Diameter	ST60-60()	60	60	93	994	130	1795	2185
	ST60-72()	60	72	105	1141	145	2000	2435
	ST60-84()	60	84	117	1288	160	2205	2685
	ST60-96()	60	96	129	1435	175	2410	2935
	ST60-108()	60	108	141	1582	190	2615	3185
	ST60-120()	60	120	153	1729	205	2820	3435
	ST60-144()	60	144	177	2023	235	3230	3935
	ST60-x() x=desired length	60	x	x+33	add 147 gal. per extra ft.	add 15 ft ² per extra ft.	add 205 lbs. per extra ft.	add 250 lbs. per extra ft.
66" Diameter	ST66-60()	66	60	92	1202	141	2075	2500
	ST66-72()	66	72	104	1380	158	2300	2775
	ST66-84()	66	84	116	1558	175	2525	3050
	ST66-96()	66	96	128	1736	192	2750	3325
	ST66-108()	66	108	140	19147	209	2975	3600
	ST66-120()	66	120	152	2092	226	3200	3875
	ST66-144()	66	144	176	2448	260	3650	4425
	ST66-168()	66	168	200	2804	294	4100	4975
	ST66-192()	66	192	224	3160	328	4550	5525
	ST66-x() x=desired length	66	x	x+32	add 178 gal. per extra ft.	add 17 ft ² per extra ft.	add 225 lbs. per extra ft.	add 275 lbs. per extra ft.



TABLE 2.1 Continued

	Model Number *	Diameter (inches)	Shell Length (inches)	Overall Length (inches)	Capacity ** (gallons)	Surface Area (sq. ft.)	Weight (lbs.) U,E,G ¹	Weight (lbs.) D ²
72" Diameter	ST72-60()	72	60	97	1476	162	2255	2740
	ST72-72()	72	72	109	1687	181	2500	3045
	ST72-84()	72	84	121	1898	200	2745	3350
	ST72-96()	72	96	133	2109	219	2990	3655
	ST72-108()	72	108	145	2320	238	3235	3960
	ST72-120()	72	120	157	2531	257	3480	4265
	ST72-144()	72	144	181	2953	295	3970	4875
	ST72-168()	72	168	205	3375	333	4460	5485
	ST72-192()	72	192	229	3797	371	4950	6095
	ST72-216()	72	216	253	4219	409	5440	6705
	ST72-240()	72	240	277	4641	447	5930	7315
	ST72-x() x=desired length	72	x	x+37	add 211 gal. per extra ft.	add 19 ft ² per extra ft.	add 245 lbs. per extra ft.	add 305 lbs. per extra ft.
84" Diameter	ST84-60()	84	60	105	2112	211	3310	3945
	ST84-72()	84	72	117	2400	233	3650	4350
	ST84-84()	84	84	129	2688	255	3990	4755
	ST84-96()	84	96	141	2976	277	4330	5160
	ST84-108()	84	108	153	3264	299	4670	5565
	ST84-120()	84	120	165	3552	321	5010	5970
	ST84-144()	84	144	189	4128	365	5690	6780
	ST84-168()	84	168	213	4704	409	6370	7590
	ST84-192()	84	192	237	5280	453	7050	8400
	ST84-216()	84	216	261	5856	497	7730	9210
	ST84-240()	84	240	285	6432	541	8410	10020
	ST84-x() x=desired length	84	x	x+45	add 288 gal. per extra ft.	add 22 ft ² per extra ft.	add 340 lbs. per extra ft.	add 405 lbs. per extra ft.



TABLE 2.1 Continued

	Model Number *	Diameter (inches)	Shell Length (inches)	Overall Length (inches)	Capacity ** (gallons)	Surface Area (sq. ft.)	Weight (lbs.) U,E,G ¹	Weight (lbs.) D ²
96" Diameter	ST96-60()	96	60	108	2812	248	4750	5490
	ST96-72()	96	72	120	3188	274	5225	6045
	ST96-84()	96	84	132	3564	300	5700	6600
	ST96-96()	96	96	144	3940	326	6175	7155
	ST96-108()	96	108	156	4316	352	6650	7710
	ST96-120()	96	120	168	4692	378	7125	8265
	ST96-144()	96	144	192	5444	430	8075	9375
	ST96-168()	96	168	216	6496	482	9025	10485
	ST96-192()	96	192	240	6948	534	9975	11595
	ST96-216()	96	216	264	7700	586	10925	12705
	ST96-240()	96	240	288	8452	638	11875	13815
	ST96-x() x=desired length	96	x	x+48	add 376 gal. per extra ft.	add 26 ft ² per extra ft.	add 475 lbs. per extra ft.	add 555 lbs. per extra ft.

Larger Sizing: Consult with Factory

* See Tank Lining Options

** Listed capacities based on semi-elliptical style heads. Consult factory for capacities using other style heads.

1. Weight based on Linings: U=Unlined, E=Epoxy, G=Glass
2. Weight based on Lining: D=Cement