

Horizontal Tanks

Highland's aboveground horizontal tanks are designed and engineered to meet the demanding needs of industry. All aboveground horizontal tanks are manufactured in strict accordance with Underwriters Laboratories 142 specifications.

Single-wall or double-wall configurations can be manufactured with numerous accessories available. Standard tanks are constructed of mild carbon steel.

Stainless steel is available as an option for storing chemicals and liquids not compatible with carbon steel. Interior coatings for storing aviation fuel, potable water and for other special service can be applied. The standard exterior coating on all aboveground tanks is red primer. Other VOC compliant coating options range from a commercial blast with epoxy primer to complete epoxy/urethane multi-coat systems.

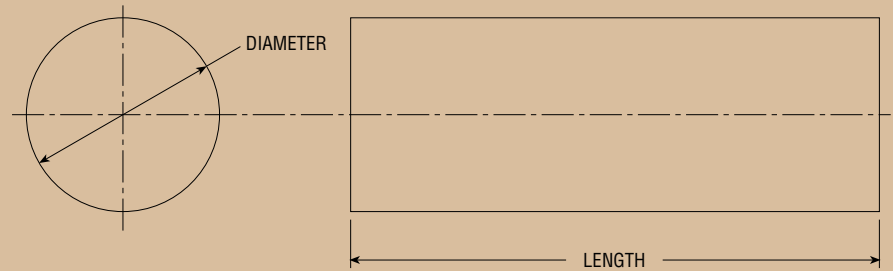


General Tank Information			Tank Weight Information				Support Systems Weight Information			
Capacity (Gallons)	Dimensions		Thickness Primary Tank	Single-wall (lbs.)	Thickness Outer Tank	Double-wall (lbs.)	Saddles Each (lbs.)	BDH Supports Total (lbs.)	Skids Total (lbs.)	Stabilizers Total (lbs.)
	Diameter	Length								
185	3'2"	3'4"	12 ga.	154	10 ga.	358	45			
240	3'2"	4'0"	12 ga.	285	10 ga.	645	45		60	
300	3'2"	5'0"	12 ga.	295	10 ga.	684	45	10	60	
500	4'0"	5'5"	12 ga.	415	10 ga.	948	45	10	115	
500	4'0"	5'5"	10 ga.	533	10 ga.	1,050	59	20	115	220
500	4'0"	5'5"	7 ga.	711	10 ga.	1,228	59	50	115	220
1,000	4'0"	10'9"	10 ga.	958	10 ga.	2,015	59		225	340
1,000	4'0"	10'9"	7 ga.	1,274	10 ga.	2,300	59		118	340
1,000	5'4"	6'0"	7 ga.	1,128	10 ga.	2,180	137	60	274	240
1,500	5'4"	9'0"	7 ga.	1,608	10 ga.	2,775	137		274	300
2,000	5'4"	12'0"	7 ga.	1,988	10 ga.	3,450	137		274	512
3,000	5'4"	18'0"	7 ga.	2,749	10 ga.	4,885	137	90	411	711
4,000	5'4"	24'0"	7 ga.	3,510	10 ga.	6,108	137	100	411	900
4,000	6'0"	19'0"	1/4"	4,750	10 ga.	6,914	580		873	
4,000	8'0"	10'6"	1/4"	4,390	7 ga.	6,650	882		582	
5,000	6'0"	23'10"	1/4"	5,722	10 ga.	8,625	580		540	1,448
5,000	8'0"	13'4"	1/4"	5,242	7 ga.	7,758	882		582	
6,000	6'0"	28'8"	1/4"	6,594	10 ga.	9,993	580		540	
6,000	8'0"	16'0"	1/4"	5,938	7 ga.	8,815	882		582	1,737
8,000	8'0"	21'4"	1/4"	7,331	7 ga.	10,954	882		873	2,225
8,000	10'0"	14'0"	1/4"	7,272	7 ga.	9,396	1,102		696	
10,000	8'0"	26'8"	1/4"	8,725	7 ga.	9,657	882		873	2,805
10,000	10'0"	17'0"	1/4"	8,389	7 ga.	13,982	1,102		696	
12,000	8'0"	32'0"	1/4"	10,118	7 ga.	15,251	882		582	3,292
12,000	10'0"	20'6"	1/4"	9,506	7 ga.	15,835	1,102		1,044	
15,000	8'0"	40'0"	1/4"	12,209	7 ga.	21,435	882		1,164	
15,000	10'0"	25'6"	1/4"	11,070	7 ga.	20,925	1,102		1,044	
20,000	10'0"	34'0"	1/4"	13,974	7 ga.	26,837	1,102		1,392	
20,000	10'6"	31'0"	1/4"	13,858	7 ga.	26,479	1,543		1,516	
25,000	10'6"	38'9"	1/4"	16,544	7 ga.	28,320	1,543		1,516	
30,000	10'6"	46'6"	1/4"	19,236	7 ga.	32,970	1,543		1,895	
40,000	12'0"	47'6"	3/8"	33,102	1/4"	50,725	1,800		3,195	
50,000	12'0"	59'6"	3/8"	39,729	1/4"	59,800	1,800		3,834	

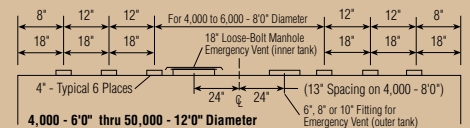
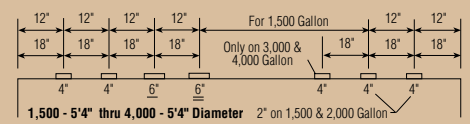
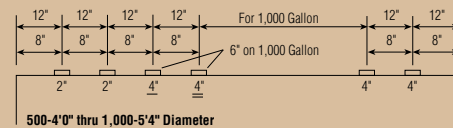
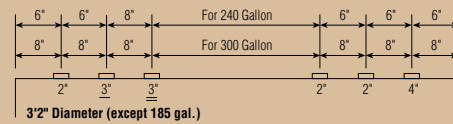
For Double Wall Type I tanks, add 6" to length and 1" to diameter for outside dimensions (includes monitoring pipe). For Double Wall Type II tanks, add 7" to length and 3" to diameter for outside dimensions. Two-saddle design available for all horizontal tanks. Tank heads may be fabricated with bracing or 1/8" thicker steel, per UL 142.

General Arrangement

Each standard tank is fabricated with threaded fittings to match the diagram at right with customized fitting arrangements available on request. All aboveground horizontal tanks may be fitted with various types of UL-listed supports ranging from stabilizers to 12" high saddles. For more details, see our individual specifications sheet for Aboveground Horizontal Tanks.



Standard Fitting Locations



X - Fitting for primary tank emergency vent use; X - Fitting through outer shell only - interstitial emergency vent fitting

Horizontal UL-Listed Tank Support Systems



Tank supports are available for capacities up to 4,000 gallons.



Small tank saddle style for 38"–72" diameter, 300–6,000 gallon tanks.



Large tank saddle style for 84"–144" diameter, 7,000–50,000 gallon tanks.



Small Tank Skids for 38"–64" diameter, 300–1,500 gallon capacity tanks.



Large Tank Skids for 64"–96" diameter, 2,000–12,000 gallon capacity tanks.



Stabilizers are available on tanks from 38" to 64" diameter.