

Highland Vertical Storage Tanks



UL-142 Vertical Storage Tanks

Highland Vertical Storage Tanks are ideal for the storage of a wide variety of liquids. Available in carbon and stainless steel, Highland Vertical Tanks for the storage of flammable and combustible liquids bear the Underwriters Laboratories UL-142 label. Tanks can also be manufactured to API650, Appendix J for shop built tanks.

Highland UL-142 tanks are available in single-wall, double-bottom, or double-wall (sides & bottom) construction. Vertical UL-142 tanks over 64" diameter are provided with a coned top to shed rainwater and snow. UL-142 specifications limit construction to a maximum vertical shell height of 35'0".

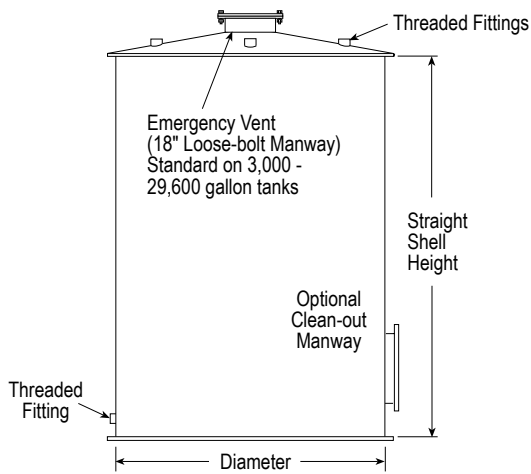
Because piping installations vary with each tank, the size and location of fittings can be specified by the end-user. Up to 24" of threaded fittings are generally included with the tank. Normal and emergency venting is required on all UL-142 Aboveground Vertical tanks.

Tanks are provided with a coat of primer. Special surface preparation and primers are available to accommodate your field finish coat specifications. Highland can also provide complete VOC compliant finish systems. Field touch-up will be required due to tank shipping and handling, and piping and accessory installation.

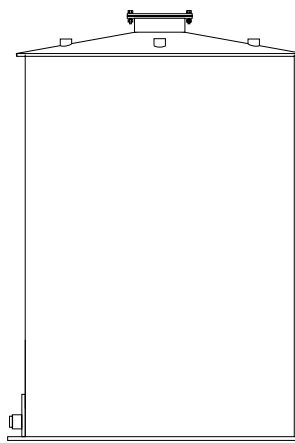
Special linings are available for storage of fertilizers, potable water, chemicals, etc. Other options include: coned bottom, legs, ladders, cages, handrails, gauging systems, heaters, flame arrestors, sumps, sight glasses and flanges.

Our Commitment to Industry Service, Quality and Delivery at Competitive Prices
Highland is committed to producing high-quality steel tank products. We've been manufacturing tanks for more than 50 years, always striving for excellence. For information on other products, please call one of our offices or contact your local Highland representative.

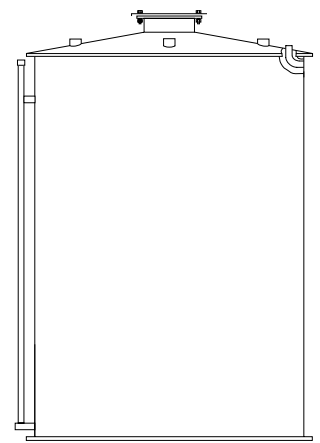
General Arrangement - Single-wall



Double-bottom



Double-wall



Nominal Capacity (Gallons)	Dimensions	
	Diameter	Shell Height
185	3'-2"	3'-4"
240	3'-2"	4'-0"
300	3'-2"	5'-0"
500	4'-0"	5'-5"
1,000	4'-0"	10'-9"
1,000	5'-4"	6'-0"
1,500	5'-4"	9'-0"
2,000	5'-4"	12'-0"
3,000	8'-0"	8'-0"
4,000	8'-0"	10'-6"
5,000	8'-0"	13'-4"
6,000	8'-0"	16'-0"
8,000	10'-0"	14'-0"

Nominal Capacity (Gallons)	Dimensions	
	Diameter	Shell Height
10,000	10'-0"	17'-0"
12,000	10'-0"	20'-6"
15,000	10'-0"	25'-6"
20,000	10'-0"	34'-0"
20,000	10'-6"	31'-0"
25,000	12'-0"	29'-8"
30,000	12'-0"	35'-6"
30,000	12'-6"	32'-9"
40,000	12'-6"	43'-8"
40,000	13'-0"	40'-4"
40,000	12'-0"	47'-6"
49,500	13'-0"	50'-0"

Guide Specification

Furnish and install a _____ gallon above-ground vertical, (single wall, double-bottom, double-wall) steel storage tank _____ inches in diameter by _____ high. Tank shall be fabricated from mild carbon steel with a flat bottom head and a coned top (over 64" diameter only). Tank gauge: bottom head and shell gauge _____; Top gauge _____. All items included in tank unit shall be coated with primer. The tank unit shall be manufactured in conformance with Underwriters Laboratories' UL-142 specifications and so labeled.

Provide threaded fittings as per attached drawing. All fittings in coned top shall be full couplings. All UL-142 aboveground single wall tanks shall include fittings for normal and emergency venting.

Tanks shall be fabricated with the following threaded connections : _____ 2 inch, _____ 4 inch, _____ 6 inch as located on attached drawing AND/OR _____ 150# flanged connections with flange protectors. Flange sizes as follows (qty-size): _____, _____, _____, with locations also indicated on drawing. Thread protectors shall be inserted in all threaded openings prior to shipment.

Highland tanks are air tested at the factory but MUST be retested at the jobsite by the installer prior to installation.

Options & Accessories:

- ____ Manway _____ inches in diameter with bolted and gasketed lid
- ____ Loose-bolt manway _____ inches in diameter with bolted and gasketed lid
- ____ Emergency Vent
- ____ External Ladder with Cage
- ____ External Ladder & Platform
- ____ External Stairway
- ____ Walkway(s) with handrails
- ____ 4" x 4" x 1/2" Clip Angle for anchoring
- ____ Coned bottom with Legs; _____ " clearance.
- ____ Commercial grit blast (SSPC-6), epoxy primer coat
- ____ Other exterior coating _____
- ____ Internal Ladder(s)
- ____ Internal Coating _____
- (Must include interior weld. Minimum size 500 gallon.)
- ____ Level Sensing System(s)
- ____ Pump Platform



Please visit us at www.highlandtank.com

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