

One Highland Road • Stoystown, PA 15563 • 814.893.5701 • [www.highlandtank.com](http://www.highlandtank.com)

 00500AHSW48GA7

**500-Gallon Aboveground Horizontal**

**UL-142 Single-wall Steel Storage Tank**

Quantity: \_\_\_\_

Nominal Capacity: 500-gallons, as indicated on drawing.

Nominal Tank Dimensions: Diameter Height

Primary Tank: 4-feet, 0-inches 5-feet, 5-inches

Minimum Steel Thickness: Head Shell

Primary Tank: 7-gauge 7-gauge

Tank shall be manufactured and tested in conformance with Underwriters Laboratories’ UL-142 Standard

for Aboveground Tanks for Flammable and Combustible Liquids, Single-wall Construction and so labeled.

The tank shall be a cylindrical, horizontal, steel tank intended for the storage of flammable and combustible liquids at atmospheric pressure. The tank shall have the structural strength to withstand static and dynamic hydraulic loading while empty and during operating conditions.

Tank shall comply with the latest edition of National Fire Protection Association NFPA 30 Flammable

and Combustible Liquids Code. The tank system shall also meet or exceed the requirements of:

 • National Fire Protection Association NFPA 30A Automobile And Marine Service Station Code.

 • California Air Resources Board (CARB) testing requirements for air emissions.

 • Southern Building Code Congress International (SBCCI) Standard Fire Prevention Code.

 • 1993 Building Officials and Code Administrators (BOCA) National Fire Prevention Code.

**Construction**

Tank shall be fabricated of mild carbon steel with all seams of continuous lap weld construction.

Standard tanks shall include, at a minimum, fittings for normal vent, emergency vent, product fill,

product pump/supply and liquid level gauge. Tank shall include UL Support Saddles (2 per tank).

All tanks are air tested at the factory and may need to be retested (by installer) at the jobsite prior

to installation or being put into service. Consult AHJ for requirements.

See standard drawings at www.highlandtank.com for quantity, size and location of fittings on

standard tanks. All fittings must be located above the maximum fluid level per UL142. Fittings for

normal vents are equal to, or larger than largest fitting to be used for fill or withdraw from the tank.

Emergency vent size is based on the wetted surface area of the tank.

All items included in tank unit shall be coated with red primer paint. Thread protectors shall be

inserted in all threaded openings prior to shipment.

**Options & Accessories**

\_\_\_\_ Bulkhead(s) for Split Tank – Single or Double (Double bulkhead required if storing dissimilar products)

 Tank splits: \_\_\_\_\_-gallons and \_\_\_\_\_-gallons (Contact Highland Tank for 3 or more compartments)

\_\_\_\_ Manway(s) Qty: \_\_\_\_\_, \_\_\_\_\_-inch diameter with gasket, bolts, nuts, washers and lid

\_\_\_\_ Other support system per drawing

\_\_\_\_ Internal Ladder(s) per drawing

\_\_\_\_ Pump mount(s): \_\_\_\_ Top Mount, \_\_\_\_ Side Mount, or \_\_\_\_ for Free Standing Pumps and

 Dispensers on Standard or Split Tanks

\_\_\_\_ Remote fill cabinet (\_\_\_\_ Post-mounted or \_\_\_\_ Tank-mounted: \_\_\_\_ head or \_\_\_\_ shell)

 External Access component(s) please specify:

 \_\_\_\_ Ladder(s), \_\_\_\_ Stairs, \_\_\_\_ Platform(s), \_\_\_\_ Walkway(s) with Handrails

\_\_\_\_ HTF-1 Float Switch Interface Stem Sensor for overfill detection

\_\_\_\_ 7 or \_\_\_\_ 10-gallon Spill/Overfill Container

\_\_\_\_ Electronic Alarm Panel. Channel quantity: \_\_\_\_\_

\_\_\_\_ High-LINK **Fuel**Shield®, Fuel Management System

\_\_\_\_ High-LINK **Level**Shield®, Level Inventory Management System

 \_\_\_\_ High-LINK Magnetostrictive probe(s) for **Level**Shield System (2 Maximum)

\_\_\_\_ Equipment Packages available:

 \_\_\_\_ Gasoline Dispensing \_\_\_\_ Diesel Dispensing

 \_\_\_\_ Emergency Generator \_\_\_\_ Waste Oil Handling

 - Consult Factory for Aviation Fuel (Avgas, Jet-A, or Jet A-1) Dispensing

Additional threaded fittings with thread protectors shall be supplied as follows. Add as needed.

1. \_\_\_\_-inch diameter, intended for \_\_\_\_\_\_\_\_\_\_\_\_\_\_ use, location indicated on drawing(s)
2. \_\_\_\_-inch diameter, intended for \_\_\_\_\_\_\_\_\_\_\_\_\_\_ use, location indicated on drawing(s)

Flanged fittings Class 150#, (RF-Raised-Face, FF-Flat-Face, SO-Slip-On, WN-Weld-Neck) with flange protectors shall be supplied as follows. . Add as needed.

1. \_\_\_\_-inch diameter, Type: \_\_\_\_\_, intended for \_\_\_\_\_\_\_\_\_\_\_\_\_\_ use, location indicated on drawing(s)
2. \_\_\_\_-inch diameter, Type: \_\_\_\_\_, intended for \_\_\_\_\_\_\_\_\_\_\_\_\_\_ use, location indicated on drawing(s)

Optional Interior & Exterior Coatings & Linings:

\_\_\_\_ Interior Commercial grit blast (SSPC-6)

\_\_\_\_ Interior polyurethane lining (Standard color: blue) Other color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 (Requires 18” access manway and interior seam weld)

\_\_\_\_ Exterior polyurethane paint (Standard color: white) Other color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_ Other exterior coating \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, Color: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Execution**

Tank to be set level on a solid foundation of reinforced concrete constructed by owner of installer.

Installation and testing shall be in strict accordance with Petroleum Equipment Institute’s RP200 Recommended Practices for Installation of Aboveground Storage Systems for Motor Vehicle Fueling

and performed by a licensed installer. Always consult AHJ as final authority.

**Warranty**

The tank is warranted by Highland Tank & Mfg. Co. to be free from defects in manufacturing, workmanship and materials. Highland Tank will repair or replace, at its sole discretion F.O.B. factory, within a period of one year after date of shipment, any item of our manufacture. All other items shall be warranted by their respective manufacturers. Liability hereunder is limited, as stated above, and does not include labor, installation costs, indirect or consequential damages of any kind. Tanks must be returned to the factory and if found to be defective upon examination, will be repaired, replaced or credit will be issued at our option.

Tank to be manufactured by Highland Tank at one of the following locations: Stoystown, PA; Manheim, PA; Watervliet, NY; Greensboro, NC; Friedens, PA; Clarkston, MI or Mancelona, MI.