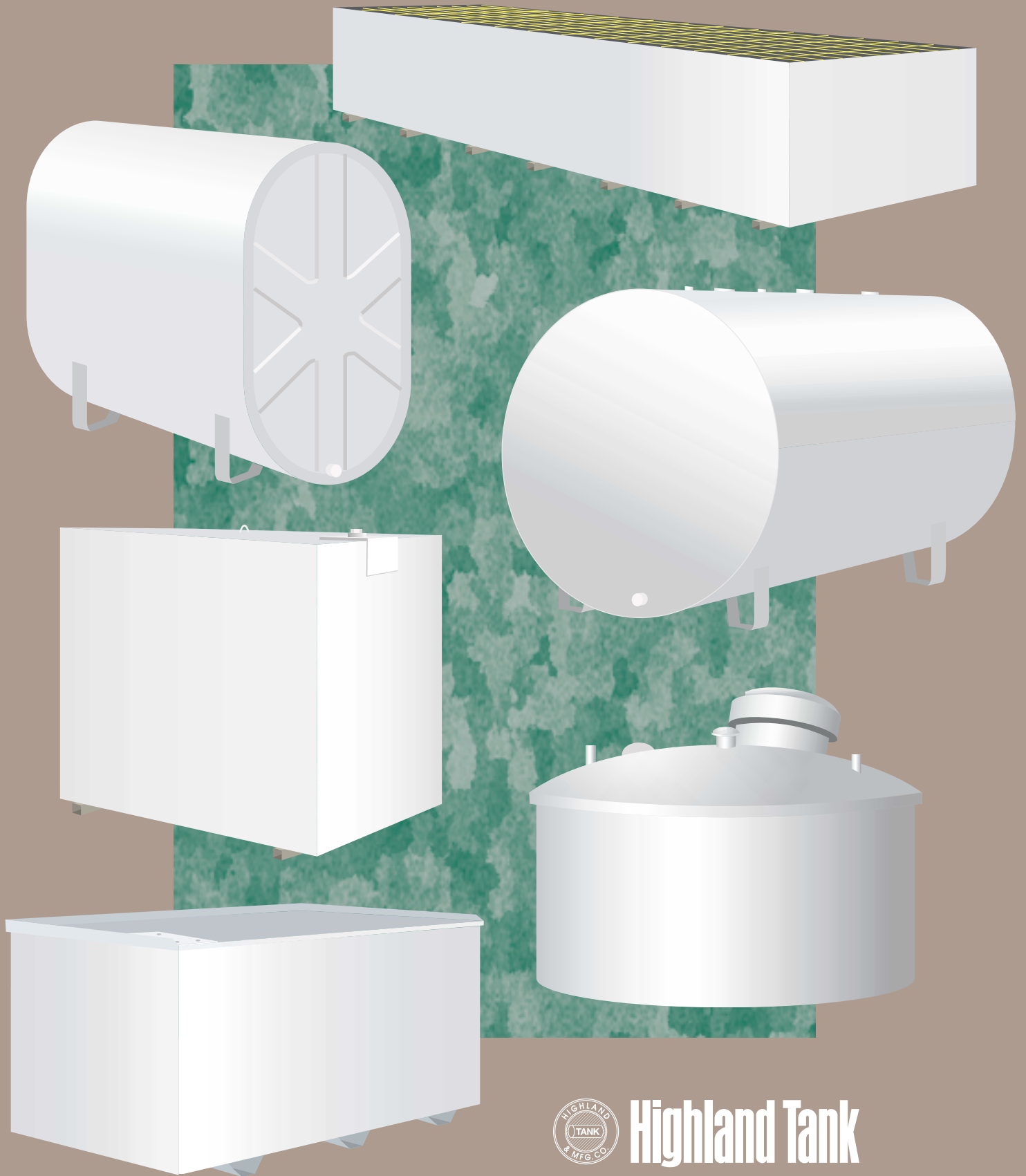


Highland Lube Tanks



Highland Tank

C O N T E N T S

The Highland Advantage **1**

Tank Construction **2**

Lube Tanks **3**

Bench Top Tanks **4**

EBT Tanks **5**

Catwalk, Under Catwalk Tanks **6**

Lube TOUGHTANK **7**

Lube Hopper Tanks **8**

Cluster Tanks **9**

Bulk Drum Tanks **10**

Accessories & Options **11**

Selecting & Specifying **12**



We are proud to offer you the security of **decades of full service**. In business since 1946, Highland Tank now operates **six state-of-the-art fabrication facilities** and offers the advantage of a **diversified product line** and extensive fabrication capabilities.

Innovative designs and multiple capacities provide effective solutions for your lube storage tank needs. Highland provides **environmentally safe, structurally sound, and industry proven** lube tank solutions. Most tank designs are available in either single-wall or double-wall construction.

Each tank is backed by Highland Tank's **team of professionals** in engineering, design, fabrication, delivery, sales and service. Our **national sales representatives network** with

Each tank is constructed, tested, and labeled in accordance with **Underwriters Laboratories (UL) Standard for Safety** for the Aboveground

The Highland Advantage

many other experienced and knowledgeable individuals who can assist you with all aspects of your lubrication fluid handling requirements.

Our tanks are **competitively priced** and **readily available** from our strategically located **regional distributors** and manufacturing facilities. **Timely delivery** of high-quality tank products using our own professional drivers or a network of dependable common carriers.

Storage of Flammable and Combustible Liquids.

Highland's tanks meet or exceed the **National Fire Protection Association's (NFPA) regulations** for aboveground storage tanks for lube products.

Lube Tank Construction

Highland Tank's Aboveground Lube Tanks are second to none in quality and design. Primarily designed for storage of flammable and combustible liquids, we manufacture steel tanks for a wide variety of applications. The following information describes standard tank construction and some of the fabrication options available.

All Highland Lube Tanks are intended to be installed in accordance with NFPA 30, 30A, 31 or 37.

Single-wall UL-142

A standard single-wall tank uses a single sheet thickness of steel meeting ASTM specifications. Material thicknesses from 12 gauge to 3/8" of either mild carbon steel or stainless steel can be specified. Structural integrity is achieved with joints employing continuous exterior fillet welds. A factory air test and seam inspection ensure tank integrity. UL-142 tanks are supplied with an emergency vent fitting of sufficient size to accommodate the intense increase in vapor pressure in the event of fire exposure. On tanks over 4,000 gallons, an 18" loose-bolt manhole is supplied as an emergency vent. More sophisticated emergency vents specific to your needs are available and can be supplied by Highland Tank or your installation contractor.

Double-wall UL-142 Type I

Double-wall Type I tanks consist of a primary steel tank tightly wrapped by a secondary exterior steel wall that may be in direct contact with the primary tank. The double-wall tank employs the same construction methods as the single-wall tanks. The space between the tanks, known as the interstice, can be monitored. In addition to the inner tank's emergency vent fitting, double-wall tanks are supplied with a secondary emergency vent box with fitting.



Single-wall UL-142 Lube Tank
Mild carbon steel meeting ASTM specifications is used in all tank construction. Stainless steel can be specified.



Double-wall UL-142 Lube Tank
A second steel wrap provides extra strength and added protection. The interstitial space between steel layers can be monitored.



Compartments
Bulkheads create smaller compartments within a larger tank. Single or double-wall bulkhead construction is available.

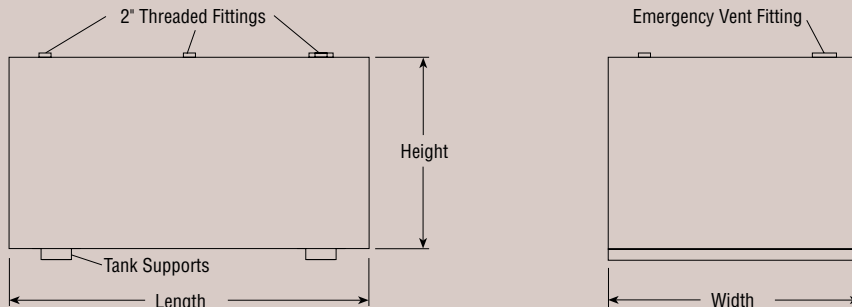
Lube Tanks

Highland's Lube Tanks provide dependable and high quality storage for bulk lubrication oils. Highland Tank manufactures Lube Tanks in a range of capacities to meet replacement or new construction specifications.



Standard Features

- Superior Steel Welded Design
- Structural Supports Underneath
- Welded Fittings (with plugs for shipping)
- Red Primer Paint
- UL-142 Label



Single-wall tank shown.

Available in single or double-wall designs.

| Model Number | Nominal Capacity (Gallons) | Nominal Dimensions Inside* | | | Tank Thickness Gauge | Approx. Weight lbs. |
|--------------|----------------------------|----------------------------|-------|-------|----------------------|---------------------|
| | | L | W | H | | |
| LT120 | 120 | 2'6" | 2'2" | 3'0" | 12 ga | 245 |
| LT180 | 180 | 5'0" | 1'10" | 2'8" | 12 ga | 315 |
| LT280 | 280 | 5'0" | 2'4" | 3'3" | 12 ga | 385 |
| LT350 | 350 | 5'0" | 3'6" | 2'8" | 12 ga | 500 |
| LT500 | 500 | 5'0" | 2'8" | 5'0" | 12 ga | 637 |
| LT500S | 500 | 6'0" | 4'2" | 2'8" | 12 ga | 660 |
| LT750 | 750 | 7'8" | 2'8" | 5'0" | 10 ga | 965 |
| LT1000 | 1,000 | 10'0" | 2'8" | 5'0" | 10 ga | 1,175 |
| LT1000S | 1,000 | 6'10" | 4'0" | 5'0" | 10 ga | 1,100 |
| LT1500 | 1,500 | 15'0" | 2'8" | 5'0" | 7 ga | 2,100 |
| LT1500S | 1,500 | 8'0" | 5'0" | 5'0" | 7 ga | 1,610 |
| LT2000 | 2,000 | 17'3" | 2'8" | 5'10" | 7 ga | 2,575 |
| LT2000S | 2,000 | 8'11" | 5'0" | 5'10" | 7 ga | 2,050 |
| LT3000 | 3,000 | 13'9" | 5'5" | 5'5" | 1/4" | 5,080 |
| LT4000 | 4,000 | 18'3" | 5'5" | 5'5" | 1/4" | 6,175 |

Finish paint optional. Nominal dimensions are measured from inside tank. Consult factory for double-wall capacities, dimensions and weights. See accessories page for other options.

Bench Top Tanks

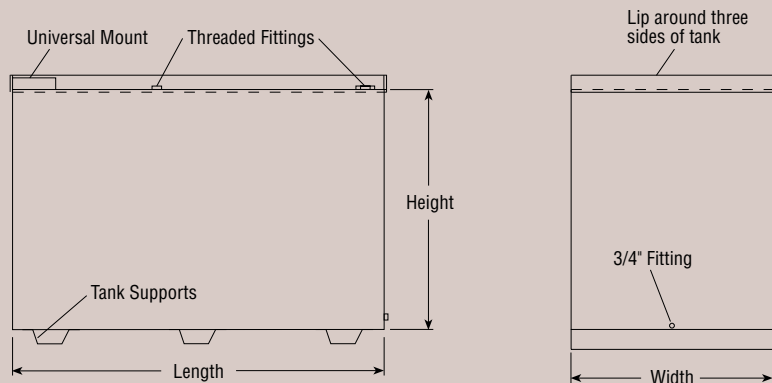
The tank with work space on top!

Highland's Bench Top tanks are designed for use in lube service areas where space is at a premium. The extra-sturdy rectangular construction with overlapping weld design assures safe and convenient lubrication oil storage. The standard universal mount location maximizes the work area. A 2" spill lip on the sides and back minimizes cleanup and reduces loss of small parts such as nuts, bolts, and springs.

Standard Features

- Overlapping Steel Welded Design
- 2" Spill Lip on Sidewall and Back
- Wide Supports Underneath
- Universal Reel/Pump Mount
- Welded Fittings (with plugs for shipping)
- Red Primer Paint
- UL-142 Label

Available in single or double-wall designs.



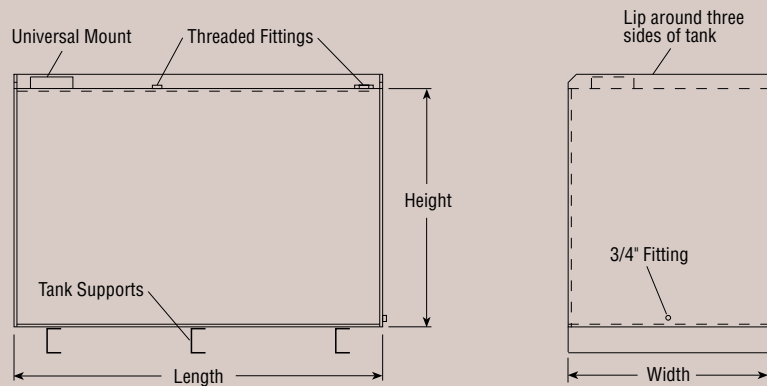
Single-wall tank shown.

| Model Number | Nominal Capacity (Gallons) | Nominal Dimensions Inside* | | | Tank Thickness Gauge | Approx. Weight lbs. |
|--------------|----------------------------|----------------------------|-------|------|----------------------|---------------------|
| | | L | W | H | | |
| BT180 | 180 | 5'0" | 1'10" | 2'9" | 12 ga. | 375 |
| BT280 | 280 | 5'0" | 2'6" | 3'0" | 12 ga. | 420 |
| BT350 | 350 | 5'0" | 3'6" | 2'9" | 12 ga. | 525 |
| BT500 | 500 | 6'0" | 4'2" | 2'9" | 12 ga. | 700 |

Finish paint optional. Nominal dimensions are measured from inside tank. Consult factory for double-wall capacities, dimensions and weights. See accessories page for other options.

EBT Tanks

Highland's Economy Bench Top (EBT) Tanks are an alternative to our standard Bench Top Tanks. Highland offers EBT Tanks in multiple volumes with uniform width or length dimensions. As the chart indicates, various capacity tanks are available with common length (5'0") or width (2'7") measurements to allow grouping. EBT Tanks provide high-quality and safe lube oil storage. Universal reel or pump mount and threaded fittings are standard features which maximize the available work area. An integral 2" spill lip on the sides and back minimize clean-up and the loss of small parts such as springs, bolts and washers.



Standard Features

- Fillet Welded Construction
- Spill Lip on Sides and Back
- Channel Supports
- Universal Reel/Pump Mount
- Welded Fittings (with plugs for shipping)
- Red Primer Paint
- UL-142 Label

| Model Number | Nominal Capacity (Gallons) | Nominal Dimensions Inside* | | | Tank Thickness Gauge | Approx. Weight lbs. |
|--------------|----------------------------|----------------------------|------|------|----------------------|---------------------|
| | | L | W | H | | |
| EBT160 | 160 | 3'0" | 2'7" | 2'9" | 12 ga. | 280 |
| EBT170 | 170 | 5'0" | 1'8" | 2'9" | 12 ga. | 300 |
| EBT265 | 265 | 5'0" | 2'7" | 2'9" | 12 ga. | 380 |
| EBT320 | 320 | 6'0" | 2'7" | 2'9" | 12 ga. | 426 |
| EBT340 | 340 | 5'0" | 3'4" | 2'9" | 12 ga. | 440 |
| EBT425 | 425 | 8'0" | 2'7" | 2'9" | 12 ga. | 530 |
| EBT480 | 480 | 7'0" | 3'4" | 2'9" | 12 ga. | 565 |

Finish paint optional. Nominal dimensions are measured from inside tank. See accessories page for other options.

Catwalk & Under Catwalk Tanks

Highland Catwalk and Under Catwalk Tanks are available in convenient sizes to meet the requirements of the quick lube industry. Each is available in single-wall or double-wall styles. Highland's Catwalk Tanks' rectangular construction and carefully engineered sizes assure the most dependable and economical solution to your lubrication oil storage needs.

Standard Features

- Innovative Design
- Superior Steel Welded Construction
- Structural Supports Underneath
- Welded Fittings (with plugs for shipping)
- Strategically Located Lifting Lugs
- Red Primer Paint
- UL-142 Listed

Available in single or double-wall design.



Catwalk Tanks

Catwalk tanks include safety-yellow fiberglass grating on the tank's top and a set of access steps, eliminating the need for expensive free-standing catwalks. Any spilled oil stays on top of the tank preventing dangerous floor conditions and minimizes "house keeping". Option handrails are also available.

Under Catwalk Tanks

Given that space in the basement of fast lubes is limited, Highland rectangular Under Catwalk tanks offer maximum storage by limiting tank height. They are designed to be used with existing free-standing catwalks to provide additional oil storage for retrofit applications.

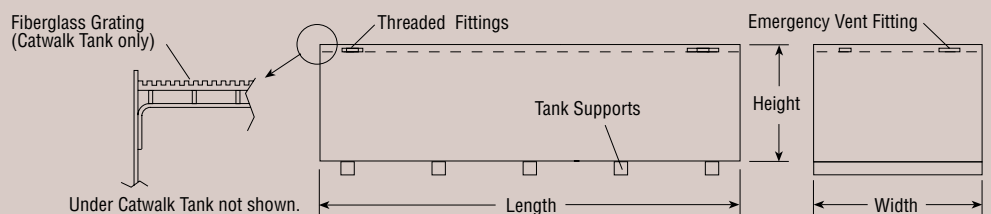
Catwalk Tanks

| Model Number | Nominal Capacity (Gallons) | Nominal Dimensions Inside* | | | Tank Thickness Gauge | Approx. Weight lbs. |
|--------------|----------------------------|----------------------------|------|------|----------------------|---------------------|
| | | L | W | H | | |
| CT740 | 750 | 15'8" | 3'2" | 2'0" | 10 ga | 1,000 |
| CT987 | 1,000 | 18'0" | 2'9" | 2'8" | 10 ga | 1,400 |

Under Catwalk Tanks

| | | | | | | |
|--------|-------|-------|------|------|-------|-------|
| UC550 | 550 | 18'0" | 2'8" | 1'7" | 10 ga | 1,040 |
| UC750 | 750 | 23'9" | 2'8" | 1'7" | 10 ga | 1,500 |
| UC1000 | 1,000 | 18'0" | 3'3" | 2'5" | 10 ga | 1,460 |

Finish paint optional. Nominal dimensions are measured from inside tank. Consult factory for double-wall capacities, dimensions and weights. See accessories page for other options.



Single-wall tank shown.

Lube TOUGHTANK

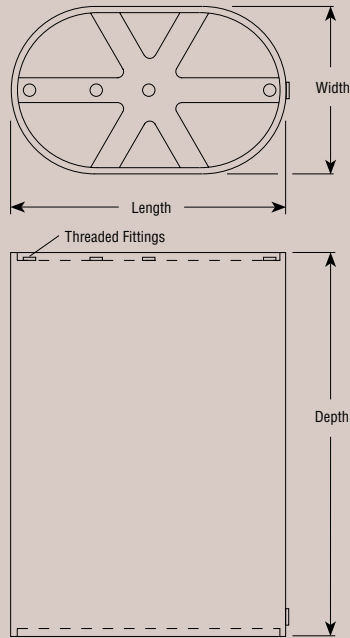
Highland's Lube TOUGHTANK is designed to provide economical lube oil storage without compromising tank strength and integrity. In actual tests the Lube TOUGHTANK withstood, without leakage, internal test pressures in excess of 100 psi. These tanks are manufactured to minimize the chance of rupture due to improper filling techniques, improperly sized overfill alarm equipment, and faulty or clogged vents. Tanks are equipped with wide-stance, heavy-duty lube supports.

Standard Features

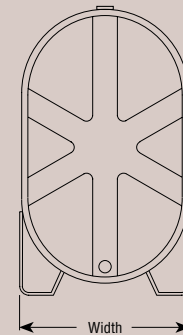
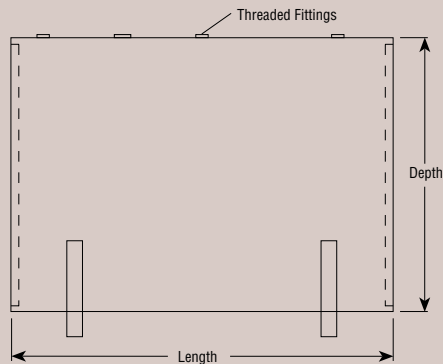
- Innovative Patented Design
- Superior Steel Welded Construction
- Heavy Duty Lube Supports
- Welded Fittings
- Shop Primer Paint
- UL-142 Listed

Available in single or double-wall design.

Upright Model



Vertical Model



Single-wall Vertical

| Model Number | Nominal Capacity (Gallons) | Nominal Dimensions Inside* | | | Tank Thickness Gauge | Approx. Weight lbs. |
|--------------|----------------------------|----------------------------|------|---------|----------------------|---------------------|
| | | L | W | H | | |
| TV137 | 137 | 2'8" | 2'3" | 3'8.25" | 12 ga. | 170 |
| TV275 | 275 | 5'2" | 2'3" | 3'8.25" | 12 ga. | 279 |
| TV330 | 330 | 6'2" | 2'3" | 3'8.25" | 12 ga. | 320 |

Single-wall Upright

| Model Number | Nominal Capacity (Gallons) | Nominal Dimensions Inside* | | | Tank Thickness Gauge | Approx. Weight lbs. |
|--------------|----------------------------|----------------------------|---------|------|----------------------|---------------------|
| | | L | W | H | | |
| TU275 | 275 | 5'2" | 3'8.25" | 2'3" | 12 ga. | 279 |
| TU330 | 330 | 6'2" | 3'8.25" | 2'3" | 12 ga. | 320 |

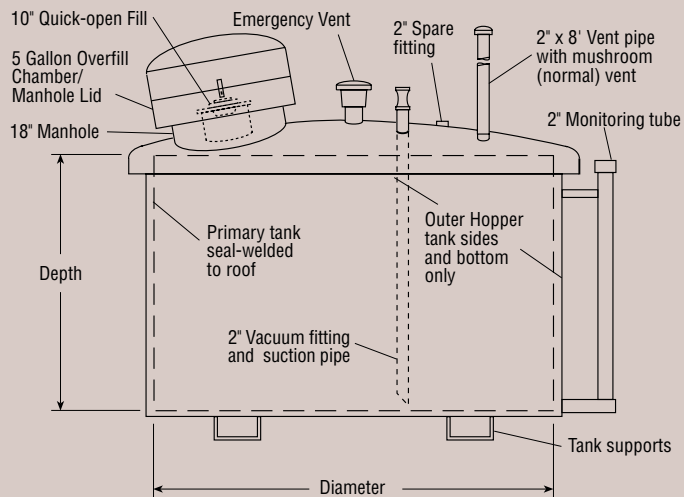
Finish paint optional. Nominal dimensions measured from inside tank. Consult factory for double-wall capacities, dimensions and weights. See accessories page for other options.

Lube Hopper Tank

Highland Lube Hoppers provide low profile, secondarily contained aboveground storage. Suitable for the containment of new and used oils, waste solvents and antifreeze, they are available in nine convenient capacities. Each Hopper consists of an inner tank, placed in a second tub-like steel container, providing a minimum of 110% secondary containment. Our unique, extended-dome top design prevents rain, snow and debris from collecting in the secondary containment and provides emergency venting of the containment area.

Standard Features

- Innovative Trademark Design
- Furnish with many convenient accessories
- Secondarily contained
- Manhole allows access for cleanout
- Red Primer Paint
- UL-142 Listed



| Nominal Capacity Gallons | Tank | | Overall | | Thickness | Approximate Weight lbs. |
|-----------------------------|----------|-------|----------|--------|-----------|----------------------------|
| | Diameter | Depth | Diameter | Height | | |
| 120 | 30" | 40" | 36" | 46" | 12 ga. | 411 |
| 185 | 38" | 40" | 44" | 47" | 12 ga. | 516 |
| 285 | 46" | 40" | 52" | 51" | 12 ga. | 671 |
| 500 | 62" | 40" | 68" | 53" | 12 ga. | 970 |
| 1,000 | 84" | 42" | 92" | 54" | 7 ga. | 1,693 |
| 1,500 | 96" | 48" | 108" | 60" | 7 ga. | 3,643 |
| 2,000 | 108" | 51" | 120" | 63" | 7 ga. | 3,888 |
| 2,500 | 108" | 62" | 120" | 75" | 7 ga. | 4,635 |
| 3,000 | 108" | 76" | 120" | 91" | 7 ga. | 5,143 |

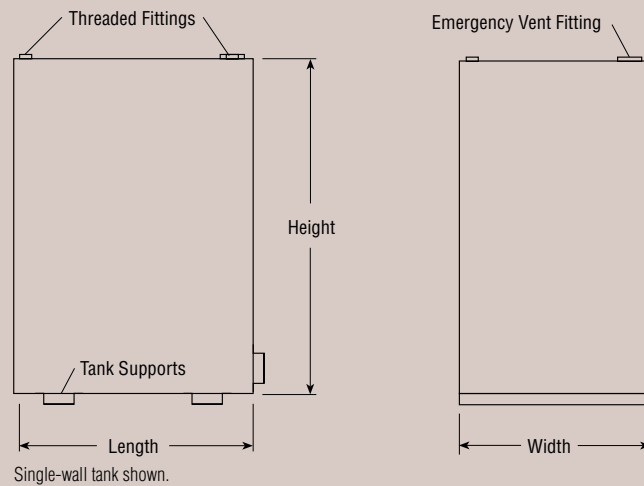
Cluster Tanks

Highland Cluster Tanks are available in two standard sizes to meet tight space constraints in industrial lube maintenance shops. Cluster Tanks provide convenient storage for multiple types of products. Cluster Tanks are ideal for grouping in the center of a shop floor area or along a wall.



Standard Features

- Space Conscious Design
- Structure Supports Underneath
- Welded Fittings (with plugs for shipping)
- Red Primer Paint
- UL-142 Label



| Model Number | Nominal Capacity (Gallons) | Nominal Dimensions Inside* | | | Tank Thickness Gauge | Approx. Weight lbs. |
|--------------|----------------------------|----------------------------|------|------|----------------------|---------------------|
| | | L | W | H | | |
| CT130 | 130 | 2'6" | 2'0" | 3'6" | 12 ga | 199 |
| CT260 | 260 | 2'6" | 4'0" | 3'6" | 12 ga | 315 |

Available in single or double-wall design. Finish paint optional. Nominal dimensions measured from inside tank. Consult factory for double-wall capacities, dimensions and weights. See accessories page for other options.

Bulk Storage Drums

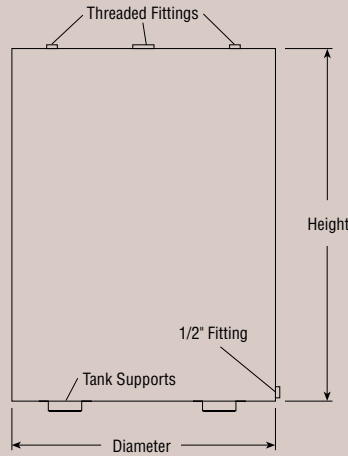
Bulk storage drums are designed to be a practical, cost saving replacement for 55 gallon drums. They store more product conveniently in less space and allow for bulk purchasing at lower prices. Lube BDH tanks are most helpful when limited height is desired. Lube BDV tanks include a forklift entry feature for safer easier handling. Both are built in conformance with UL-142 standards. Each is available in single-wall and double-wall designs.

Standard Features

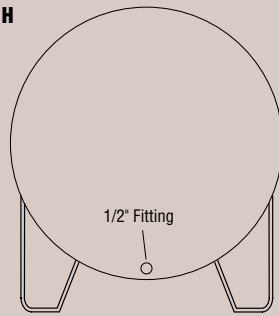
- Superior Steel Welded Design
- Structural Supports Underneath
- Welded Fittings (with plugs for shipping)
- Red Primer Paint
- UL-142 Listed

Available in single or double-wall design.

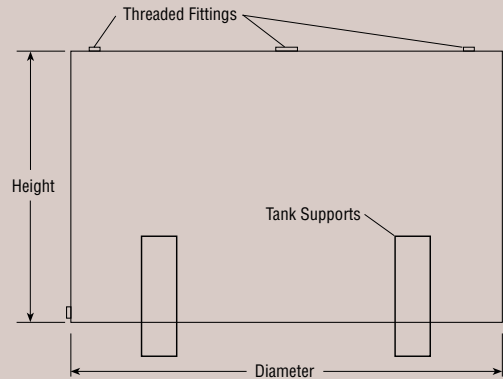
Lube BDV



Lube BDH



Single-wall tank shown.



BDH Tanks

| Model Number | Nominal Capacity Gallons | Nominal Inside Tank Dimensions* | | Thickness Gauge | Approx. Weight lbs. |
|----------------|-----------------------------|---------------------------------|--------|--------------------|------------------------|
| | | Diameter | Length | | |
| BDH240 | 240 | 3'2" | 4'0" | 12 ga | 295 |
| BDH300 | 300 | 3'2" | 5'0" | 12 ga | 315 |
| BDH500 | 500 | 4'0" | 5'5" | 12 ga | 465 |
| BDH1000 | 1,000 | 4'0" | 10'9" | 10 ga | 893 |
| BDH1500 | 1,500 | 5'4" | 9'0" | 7 ga | 1,498 |
| BDH2000 | 2,000 | 5'4" | 12'0" | 7 ga | 1,883 |

BDV Tanks

| Model Number | Nominal Capacity Gallons | Nominal Inside Tank Dimensions* | | Thickness Gauge | Approx. Weight lbs. |
|---------------|-----------------------------|---------------------------------|--------|--------------------|------------------------|
| | | Diameter | Length | | |
| BDV240 | 240 | 3'2" | 4'4" | 12 ga | 308 |
| BDV300 | 300 | 3'2" | 5'4" | 12 ga | 327 |
| BDV500 | 500 | 4'0" | 5'9" | 7 ga | 757 |

Available in single or double-wall design. Finish paint optional. Nominal dimensions measured from inside tank. Consult factory for double-wall capacities, dimensions and weights. See accessories page for other options.



Waste oil cart
A specialized, 36 gallon handled cart is available for convenient transport and removal of waste oil. (42" L x 24" W x 10" H)



Product gauges
Product gauges are available and provide an easy way to monitor product levels.



Overfill Protection
Overfill protection containment chambers with or without locking lids are available. A small hand pump is also available for returning any spilled product to the tank.



Universal Mounts
Reel/Pump mounts are available on either side of the tank for smaller pumps or on the ends for larger high capacity pumps.



Waste Oil Recovery
Includes the following components: 2" vent cap, 4" fill cap and adapter, emergency vent, product gauge, wooden stick gauge and a suction drop tube.



Vents
Normal atmospheric and emergency vents in wide range of sizes and styles are available to satisfy any requirement.



Steps, Ladders and Platforms
Access to any tank for filling or gauging is made more convenient by adding steps, ladders and platforms. Highland custom fabricates these accessories to meet your specific needs.



Fill Caps
Lockable and non-lockable fill caps with simple hinged lids and quick-release lids are available to meet your particular delivery needs.



Level & Leak Detection Systems
Includes a single or two function control panel and one or both of the following: a single stem Reed Switch with level sensor; a single function leak detection sensor.

Selecting & Specifying

Specifying Highland Lube Tanks

To receive a quotation, or to order a tank, please complete the following:

Identify the product to be stored: _____ at what temperature: _____ ° F or Ambient.

Select capacity based on delivery volume and rate of use: _____ gallons.

Select TOUGHTANK, Rectangular or Cylindrical tank style. Continue here for Rectangular tanks or skip to Cylindrical tanks or TOUGHTANK sections.

For Rectangular Tanks

Specify Tank Model

- Lube Tank
- Catwalk Tank
- Under Catwalk Tank
- Bench Top Tank
- EBT Tank
- Cluster Tank

Is secondary containment required? Yes • No
Capacity: _____

Specify length: _____ width: _____
height: _____ (see charts of standard sizes).

Do you want a compartmented tank? Yes • No
If YES, specify compartment number and size; use a "N" for single bulkhead and "/" for a double bulkhead:

Continue at Coatings, Linings and Accessories

For Cylindrical Tanks

Specify Tank Model

- Lube BDH Lube-Hopper
- Lube BDV

Is secondary containment required? Yes • No
Capacity: _____

Specify length: _____ width: _____
height: _____ (see charts of standard sizes).

Do you want a compartmented tank? Yes • No
If YES, specify compartment number and size; use a "N" for single bulkhead and "/" for a double bulkhead:

For TOUGHTANK Tanks

Specify tank orientation:

- Vertical (44" high)
- Upright (60" high)

_____ 137 gal. _____ 275 gal. _____ 330 gal.

Is secondary containment required? Yes • No

Coatings, Linings and Accessories:

- Red Primer (no blast)
- Paint for indoor use
- Paint for outdoor use
- Other

Do you want/need an internal lining: Yes • No
Please specify:

(An internal lining requires at least one manway in the tank - Minimum 500 gallon)

Do you want/need 24" manways? Yes • No
If YES, specify number: _____
If YES, do you want (1) manway to be a loose-bolt (emergency vent) lid? Yes • No

Determine size and number of threaded connections:
_____ 2" _____ 4" _____ 6" _____ 8" _____ 10"

Do you want a waste oil filling bowl with screen? Yes • No

Do you want a universal pump/reel mount (included with Bench Top and EBT Tanks) Yes • No

Do you want a 12" x 24" pump platform? Yes • No
If YES, specify location, height and from grade.
 Side of tank Top of tank
 End of tank Front of Tank
Height from grade: _____

Do you want a handrail around the tank top? (Catwalk tanks) Yes • No

Do you want an external access ladder? Yes • No

Do you want an internal ladder? Yes • No

Do you want level sensing equipment? Yes • No

If YES, specify levels of notification: 5% • 10% • 25% • 50% • 75% • 90% • 95% • 98%

Do you want double-wall interstitial monitoring equipment? Yes • No

Do you want a remote alarm? Yes • No
If YES, specify for which of the above:

Do you want electronic tank gauging equipment? Yes • No

Refer to accessories section of this brochure for other options and list here:

Lube Tanks

- A. Tank Width – Ranging from 12" to 12'
- B. Tank Length – Ranging from 12' to 60'
- C. Tank Depth – 12" to 12'
- D. Diameter – 38" to 5'4"
- E. Compartment Bulkheads – Single or double
- F. Standard Threaded Fittings – Specify size, number, location
- G. Manway – 24" inside diameter
- H. Universal Pump/Reel Mount
- I. Interior Ladder
- J. Exterior Ladder – Available on outside of tank with or without a platform
- K. Interior Surface Preparation – Specify interior coating and sandblast if required
- L. Exterior Coating
- M. Leak Detection System – Specify component pieces
- N. Spill Lip – Specify three of four sides
- O. Tank Supports

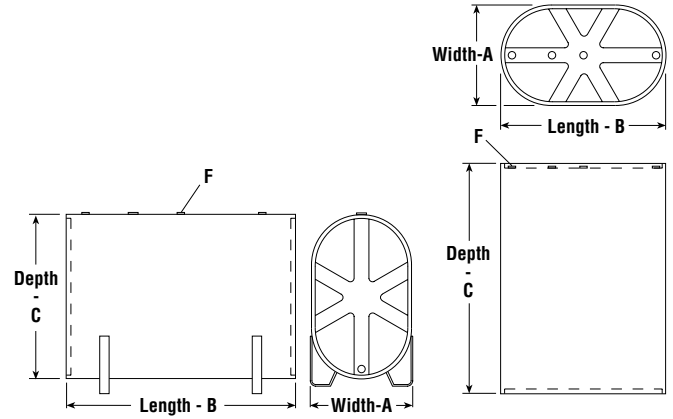


Style Selection

A simple sketch, showing size, location of fittings and accessories required, is helpful when ordering. For quick and easy reference when specifying and ordering, the adjacent diagrams of standard features and some of the accessories available are provided for your convenience. Individual product specification guides are available.

TOUGHTANK Lube Tank

Vertical - Upright

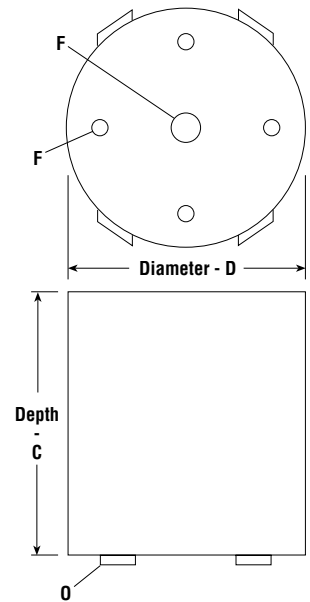
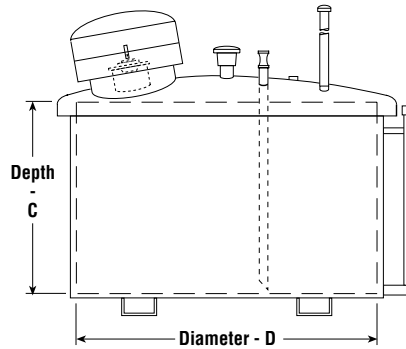
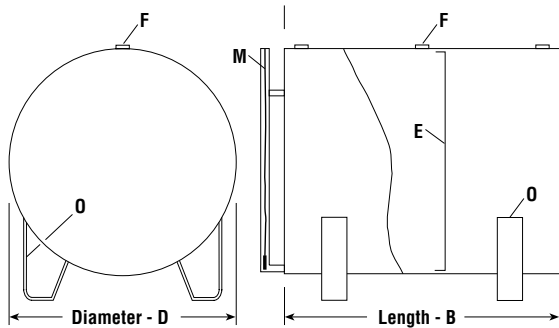


Cylindrical Horizontal & Vertical

Lube BDH (Bulk Drum Horizontal Tank)

Lube Hopper™

Lube BDV (Bulk Drum Vertical Tank)



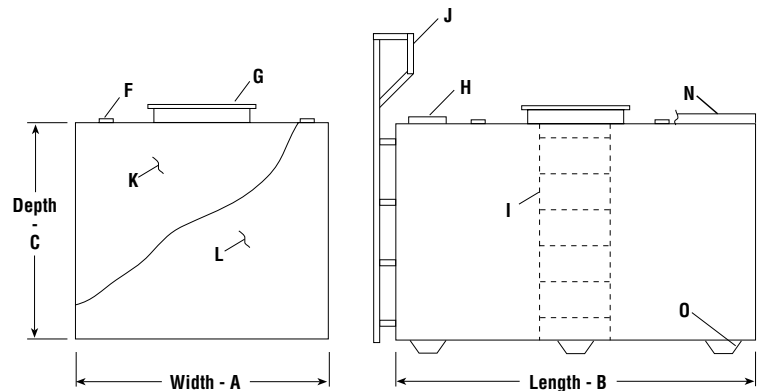
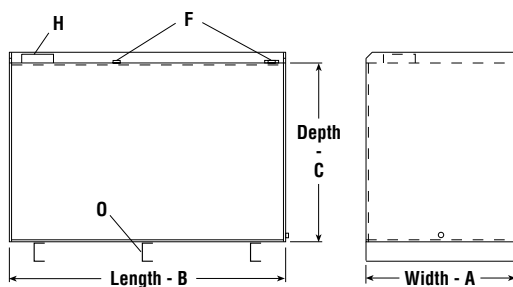
Rectangular

Lube Tank

Bench Top Tank & EBT Tank

Catwalk, Under Catwalk Tanks

Cluster Tank





Highland Tank

Highland Manufacturing Locations

One Highland Road
Stoystown, PA 15563-0338
Phone (814) 893-5701
Fax 893-6126

99 West Elizabethtown Road
Manheim, PA 17545-9410
Phone (717) 664-0600
Fax 664-0617

958 19th Street
Watervliet, NY 12189
Phone (518) 273-0801
Fax 273-1365

2225 Chestnut Street
Lebanon, PA 17042
Phone (717) 664-0602
Fax 664-0631

2700 Patterson Street
Greensboro, NC 27407
Phone (336) 218-0801
Fax 218-1292

354 Route 108
Somersworth, NH 03878
(603) 692-2012
Fax 692-2014

Please visit us at www.highlandtank.com

Also Available from Highland Tank

- Underground UL-58 Steel Storage Tanks
- Aboveground UL-142 Steel Storage Tanks
- Oil/Water Separators
- ASME Pressure Vessels
- Residential Heating Fuel Tanks