



Double-wall Lubrication Oil Tanks

Product Catalog

Tanks
Reel and Pump Brackets
Kits
Gauges

6.2023



Living full of energy

Lubrication Oil Tanks Product Catalog



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Double-wall Lubrication Oil Tanks



Unique double-walled construction

Our uniquely designed oil tanks are the safest and most reliable on the market. The outer tank is made of leak-proof, weld-free galvanized steel and rollseamed with an oil and fire-resistant seal. It can contain at least 110 percent of the capacity of the inner tank for maximum protection. The inner tank is made of blow-molded, high-density, seamless polyethylene that is leak proof and will never corrode. And, our compact tanks are available in several different sizes, providing more flexibility for placement in any garage, service station or lube shop.

Built with safety and the environment in mind

Roth oil tanks exceed the industry standard safety regulations. They are rust resistant inside and out and are designed to prevent spills, leaks and fires caused by defective pipes, couplings or fittings. Each tank undergoes thorough testing, including ultra-sound and pressure testing, to ensure optimal thickness and sealing.

Key Benefits

- Leak-proof and will not corrode
- Outer tank holds 110 percent of inner tank for maximum protection
- Up to 50 percent lighter than conventional steel tanks
- Can use for heating oil, diesel and bio fuels, motor oil, DEF and ATF
- Compact, economical design
- Provides maximum storage safety with minimum space requirements
- Removable base facilitates access to tight spaces and greater stability
- Wide handles on each end allow you to transport and handle with ease
- Quality control and testing exceeds industry standards

Tank Dimensions					
Tank Model	DWT 400L	DWT 620L	DWT 1000L	DWT 1000LH	DWT 1500L
Nom. capacity US gal (liters)	110 (400)	165(620)	275 (1000)	275 (1000)	400 (1500)
Length inches (cm)	29 (74)	29 (74)	43 (110)	51 (130)	64 (163)
Width inches (cm)	28 (72)	28 (72)	28 (72)	30 (76)	30 (77)
Height inches (cm)	44 (112)	61 (155)	61 (155)	54 (137)	68 (173)
Min. height required inches (cm)	49 (125)	66 (168)	66 (168)	60 (152)	76 (193)
Tank weight lbs. (kg)	106 (48)	132 (60)	167 (76)	208 (94)	333 (151)
Shipping weight lbs. (kg)	115 (52)	143 (65)	185 (84)	230 (104)	358 (162)
Approximate Footprint for Multiple DWT Installations					
Tank Model	DWT 400L	DWT 620L	DWT 1000L	DWT 1000LH	DWT 1500L
2 tanks in inches (side by side)	29 x 60 (74 x 152)	29 x 60 (74 x 152)	43 x 60 (110 x 152)	51 x 63 (130 x 160)	64 x 63 (163 x 160)
3 tanks in inches (side by side)	29 x 92 (74 x 234)	29 x 92 (74 x 234)	43 x 92 (110 x 234)	51 x 96 (130 x 244)	64 x 96 (163 x 244)
4 tanks in inches (side by side)	29 x 124 (74 x 315)	29 x 124 (74 x 315)	43 x 124 (110 x 315)	51 x 129 (130 x 328)	N/A
5 tanks in inches (side by side)	29 x 156 (74 x 397)	29 x 156 (74 x 397)	43 x 156 (110 x 397)	51 x 162 (130 x 411)	N/A
2 tanks in inches (end to end)	N/A	N/A	28 x 90 (72 x 229)	N/A	N/A

Roth DWT Features

- 1 Weld-free galvanized steel outer tank that can hold 110 percent of the primary tank
- 2 Seamless high-density polyethylene inner tank
- 3 Highly visible optical leak alarm
- 4 Up to 50 percent lighter than a 12-gauge steel tank with larger storage capacity



The Roth DWT storage tank is certified to UL 2258 and is designed to store liquids that are classified as class II or class III combustible fluids. These include automotive lubricating oils, hydraulic fluids and used oil products. The Roth DWT is compliant with NFPA 30 & 30A, subject to building code approval by a local authority having jurisdiction.

All double-walled tanks come with a generous 30-year limited warranty, as well as an insurance policy worth up to \$2 million.



Double-wall Storage Tanks



The Roth Double-wall Storage Tank (DWT) is made with a seamless blow-molded polyethylene inner tank and a 19 ga. galvanized outer tank. The outer tank is formed by joining cold rolled sheet steel, used to form the sides and bottom from a single piece, with two stamped metal end pieces. The edges between the sides and ends have sealant applied to them and are then rolled to create leak-proof seams. A stamped top is then pressed and riveted into place to complete the assembly of the DWT. The DWT is UL® listed in the United States and Canada under 2258 and approved under NFPA 31 (2001) and CSA B-139-04 as non-metallic fuel oil storage tanks.

Both inner and outer tanks are pressure tested at the factory during assembly according to UL® standards and do not require further field testing. The DWT also comes with a detached saddle base which the tank is placed on at the time of installation. The tank shall be placed into service in accordance with local codes and the listed use (indoor or outdoor) on a flat, level and stable surface, away from heat sources, corrosive atmospheres or fluids, potential mechanical damage or rapid temperature changes. The final location must have the tank label visible after installation. A minimum of 2" (50 mm) from all walls or obstructions is recommended for normal tank expansion and visual inspection. The integral base support shall not be removed and raising the tank height is not allowed except on a continuous concrete platform at least 6" (150 mm) wider than the tank base at all sides. All local fire code set-backs for fuel oil storage tanks must be observed.

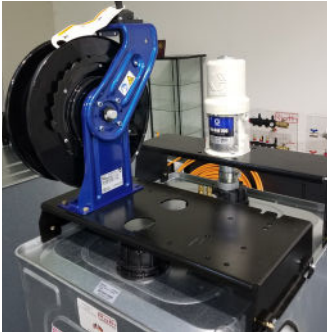
Tanks installed indoors shall not be exposed to direct sunlight on any plastic parts. Tanks installed outdoors shall be assembled with the required cover, All tanks must be installed with an approved vent alarm (Roth Vent Alarm #235000999, or equivalent sized UL listed whistle vent) in order to maintain warranty requirements.

-Each tank comes with a base, leak detector and (4) metal adapters (2 are installed and 2 in a bag with instructions)

Double-wall Lubricant Storage Tanks - includes tank base, leak detector, and (4) metal adapters

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2335109001	Lube DWT 110 Gallon (400L)	106
2335109002	Lube DWT 165 Gallon (620L)	132
2335109003	Lube DWT 275 Gallon (1000L)	167
2335109004	Lube DWT 275 Gallon Low Profile (1000LH)	208
2335109005	Lube DWT 400 Gallon (1500L)	333

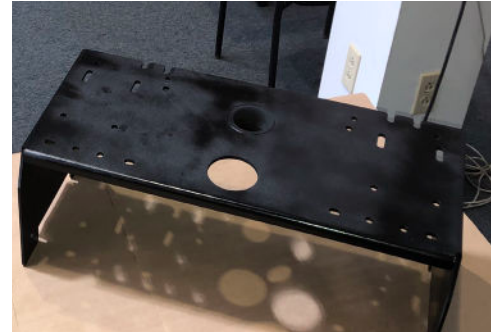
Tank Brackets



Hose Reel Bracket



Flanged/Threaded Pump Bracket



Combo Reel/Pump Bracket

Hose Reel Bracket - includes (4) mounting clips, (4) fasteners and stop nuts

<i>Part #</i>	<i>Description</i>	<i>For use with</i>	<i>Weight (lbs)</i>
2315000201	Hose Reel Bracket #1	110G (400L), 165G (620L), 275G (1000L)	10
3150000202	Hose Reel Bracket #2	275GH (1000LH)	10
2315000203	Hose Reel Bracket #3	400G (1500L)	10

Flanged Pump Bracket - includes (4) mounting clips, (4) fasteners and stop nuts

Note: Flanged brackets will accommodate Graco Mini-Fireball® 225, Fireball® 300 & 425 flange mounted pumps only.

<i>Part #</i>	<i>Description</i>	<i>For use with</i>	<i>Weight (lbs)</i>
2315000204	Flanged Reel Bracket #1	110G (400L), 165G (620L), 275G (1000L)	10
2315000205	Flanged Reel Bracket #2	275GH (1000LH)	10
2315000206	Flanged Reel Bracket #3	400G (1500L)	10

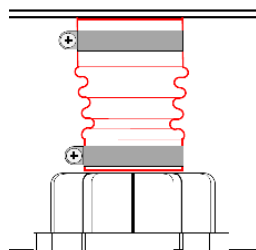
Threaded Pump Bracket - includes (4) mounting clips, (4) fasteners and stop nuts

Note: Threaded brackets will accommodate all pneumatic piston pumps with a 2 in. bung adapter mounting capability.

<i>Part #</i>	<i>Description</i>	<i>For use with</i>	<i>Weight (lbs)</i>
2315000207	Threaded Reel Bracket #1	110G (400L), 165G (620L), 275G (1000L)	10
2315000208	Threaded Reel Bracket #2	275GH (1000LH)	10
2315000209	Threaded Reel Bracket #3	400G (1500L)	10

Combination Bracket -includes (4) mounting clips, (4) fasteners and stop nuts

<i>Part #</i>	<i>Description</i>	<i>For use with</i>	<i>Weight (lbs)</i>
2315000210	Reel/Pump Combo Bracket #1	110G (400L), 165G (620L), 275G (1000L)	10
2315000211	Reel/Pump Combo Bracket #2	275GH (1000LH)	10
2315000212	Reel/Pump Combo Bracket #3	400G (1500L)	10



Rubber Bellows for use with Pump and Combination Brackets

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315000200	Rubber Bellows	2

Designed to simplify the installation of pneumatic piston pumps on the Roth Pump and Combination Hose Reel-Pump brackets. The bellows closes the gap between the underside of the mounting bracket and the metallic NPT fitting on the tank top.

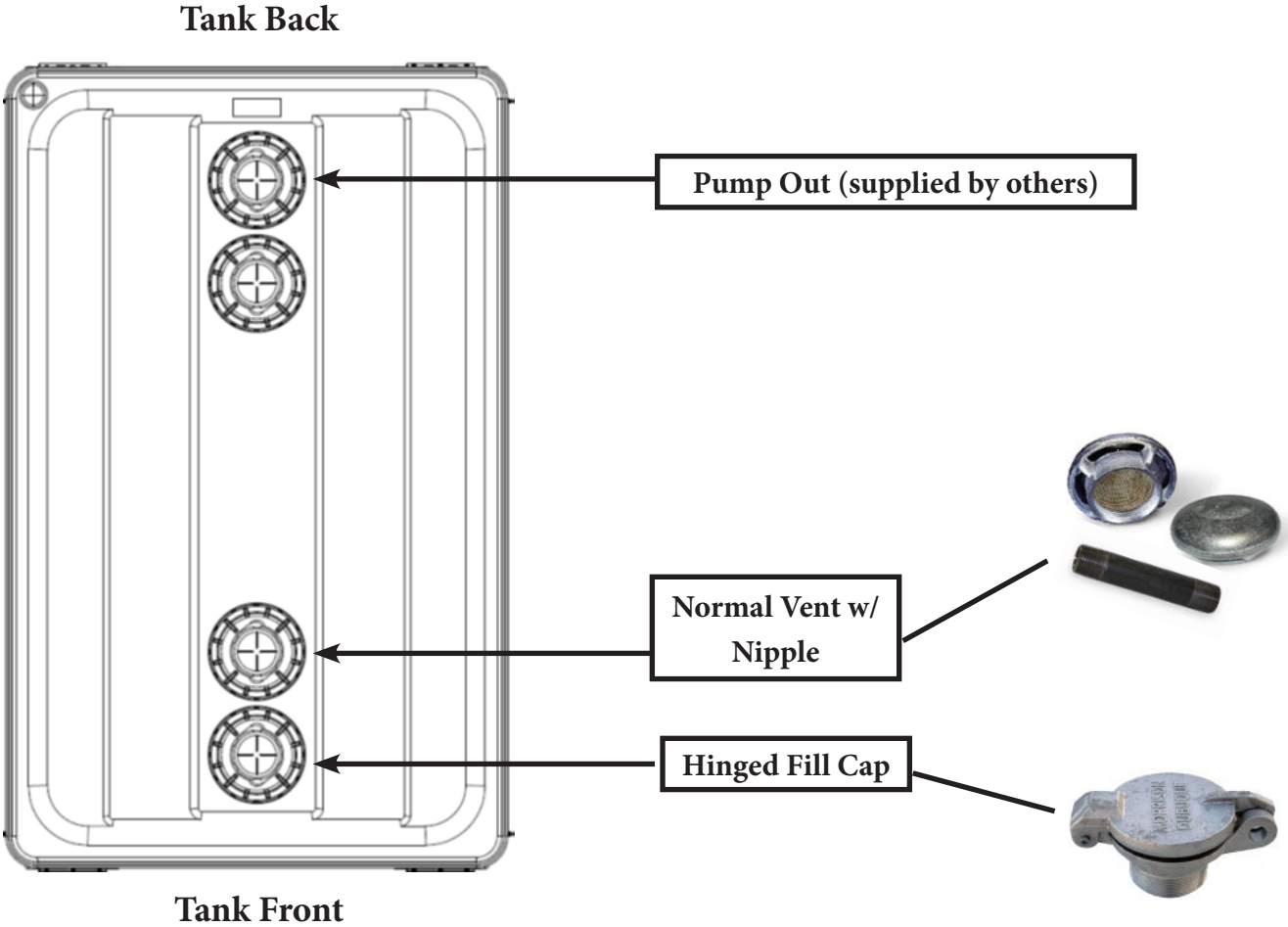
Lubricant Installation Kits

Lube Installation Kit - Basic

Basic Kit includes the following items:

- 1. Standard Metal Mushroom Vent Cap with Nipple
- 2. Hinged Lockable Fill Cap

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315002101	Lube Installation Kit - Basic - for all tank sizes	10



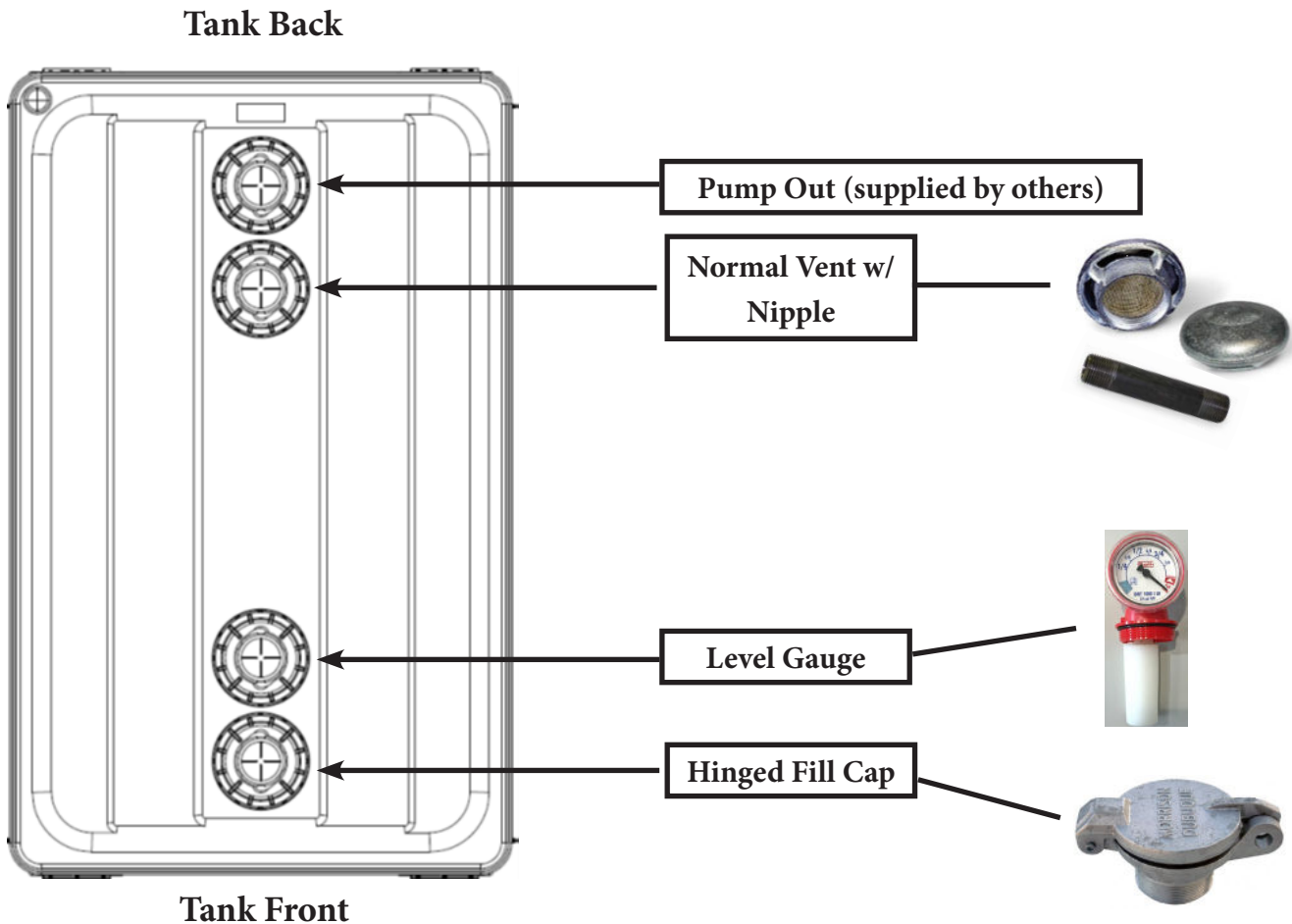
Lubricant Installation Kits

Lube Installation Kit Basic Plus

All kits include the following items:

1. Standard Metal Mushroom Vent Cap with Nipple
2. Hinged Lockable Fill Cap
3. Standard Gauge

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315002102	Lube Installation Kit Basic Plus for 110 Gallon (400L) Tank	10
2315002103	Lube Installation Kit for Basic Plus 165 Gallon (620L) and 275 Gallon (1000L)	10
2315002104	Lube Installation Kit Basic Plus for 275 Gallon Low Profile (1000LH)	10
2315002105	Lube Installation Kit Basic Plus for 400 Gallon (1500L)	10



Lubricant Installation Kits

Lube Installation Kit with Emergency Vent - Open or Closed Version

All kits include the following items:

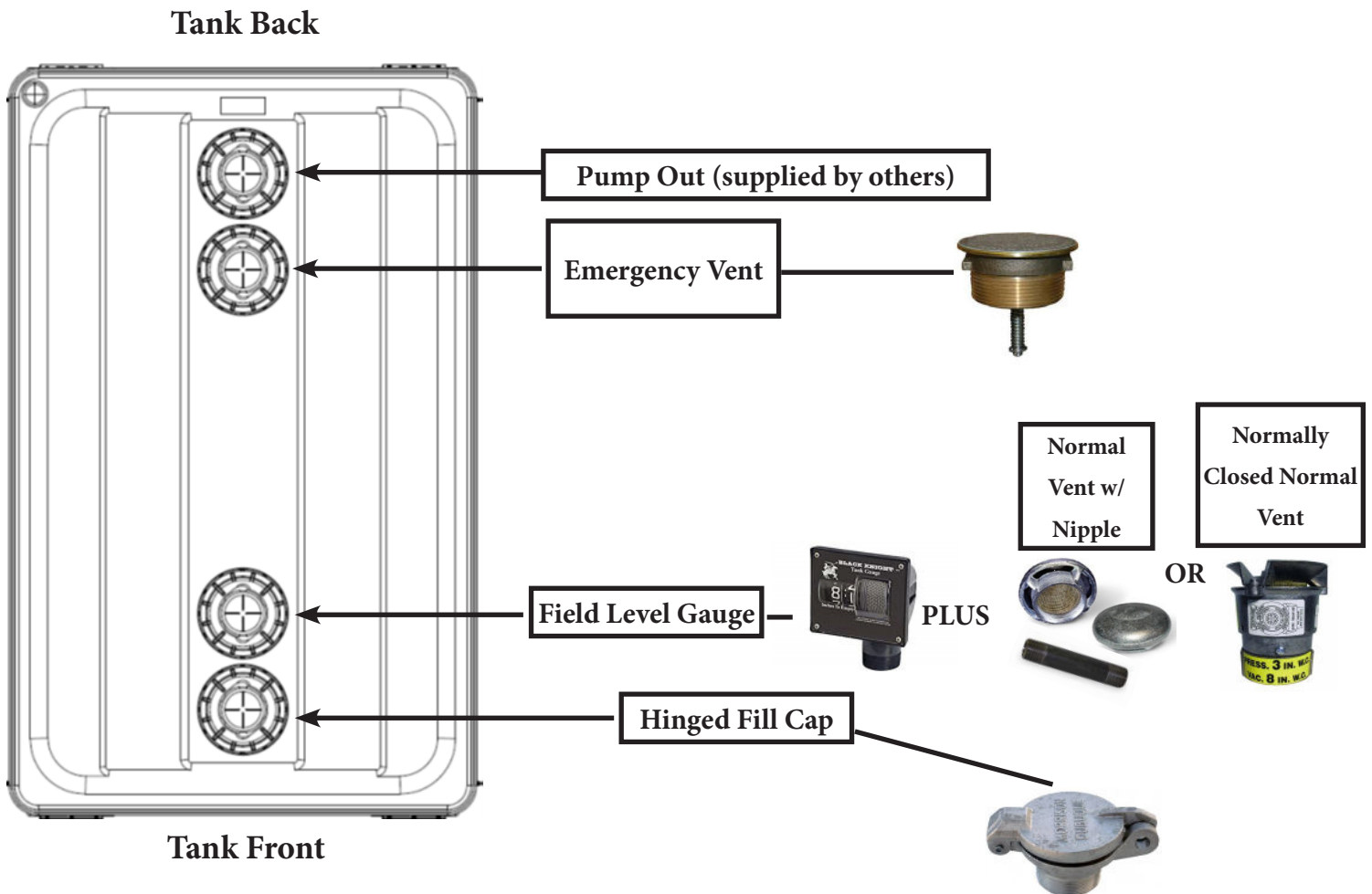
1. Emergency Vent
2. Hinged Fill Cap
3. Field Adjustment Level Gauge

PLUS:

4. For OPEN: Standard Metal Mushroom Vent Cap with Nipple
or
- For CLOSED: Normally Closed Normal Vent

Part #	Description - OPEN VERSION (EVO)	Weight (lbs)
2315002106	Lube Installation Kit - EVO - for all tank sizes	10

Part #	Description - CLOSED VERSION (EVC)	Weight (lbs)
2315002107	Lube Installation Kit - EVC - for all tank sizes	10



Installation Kit Accessories



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2335003411	Oil Gauge for 110 Gallon/400 L	1
2335001863	Oil Gauge for 165 Gallon/620 L and 1000 L	1
2335003832	Oil Gauge for 275 Gallon/1000 LH - Low Profile	1
2335000191	Oil Gauge for 400 Gallon/1500	1

The gauge base is a threaded 2" NPT with a rubber "O Ring" for sealing. It needs to be mounted on one of the threaded adapters provided with the tank with no need for pipe dope or Teflon tape on the threads. Must be hand tightened only. String and float must be released slowly during installation to prevent damage to the gearing or loosening the line off the reel. Housing design and color may differ depending on tank model.



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315002000	Vent Nipple - 2" X 6"	5

Black steel 2x6 inch threaded both ends. Standard schedule 40.



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315002001	Normally Closed Pressure Vacuum Vent	5

Vent allows tank to "breathe" during filling and discharging operations. Poppets seal vapors in the tanks when pressure is equalized. Settings are approximate.



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315002002	Black Knight Tank Level Gauge	5

Numbers decrease as fluid level lowers indicating how many inches are left until the tank is empty. For use with oil, used oil, diesel fuel, antifreeze and other fluids with a high flash point.



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315002003	Hinged Fill Cap	5

Designed for tank filling applications where a tight fill connection is not required. Threaded body installs onto riser pipe or directly into tank bung.



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315002004	Emergency Vent	5

UL Listed emergency vent (pressure relief only) used on aboveground storage tanks, as a code requirement that helps prevent the tanks from becoming over-pressurized and rupturing if exposed to fire.



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350001100	Mushroom Vent Cap	5

Miscellaneous Replacement Parts



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2335000777	Filling Pan for DWT Used Oil	5



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2335000779	Hand Pump DWT Used Oil	20



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350005738	Cover Nut/Bulkhead Nut	1

The bulk head nut is specifically designed to hold the bottle of the tank to the outer metal top of the tank



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350006801	2" NPT Die-Cast Metal Adaptor	3

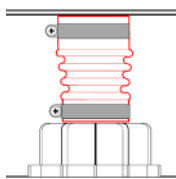


<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350000024	Cap Nut	1

The Roth cap nuts are supplied with every tank and are used to attach all of the accessories. They are specifically designed and engineered for the Roth tank. This allows all of our flanged fittings proper support.



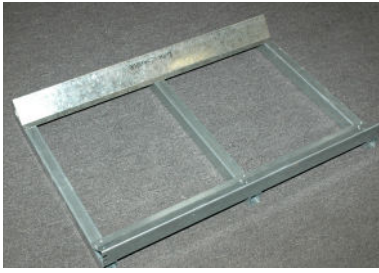
<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350000031	#3 Flat Gasket	1



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2315000200	Rubber Bellows	2

Designed to simplify the installation of pneumatic piston pumps on the Roth Pump and Combination Hose Reel-Pump brackets. The bellows closes the gap between the underside of the mounting bracket and the metallic NPT fitting on the tank top.

Miscellaneous Replacement Parts



Tank Base

Each Roth DWT is supplied with a base, made out of strong, hot dip galvanized, all assembled, weld-less steel, that gives a 2" clearance under the tank and offers stability of the tank. They are shipped completely assembled and packed upside down on the top of each tank protecting the tank connection during transport.

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350007391	Replacement Base for 110 Gallon/400L, 165 Gallon/620L	15
2335000643	Replacement Base for 275 Gallon/1000L	15
2335000743	Replacement Base for 275 Gallon/1000LH - Low Profile	15
2335001652	Replacement Base for 400 Gallon/1500L	15

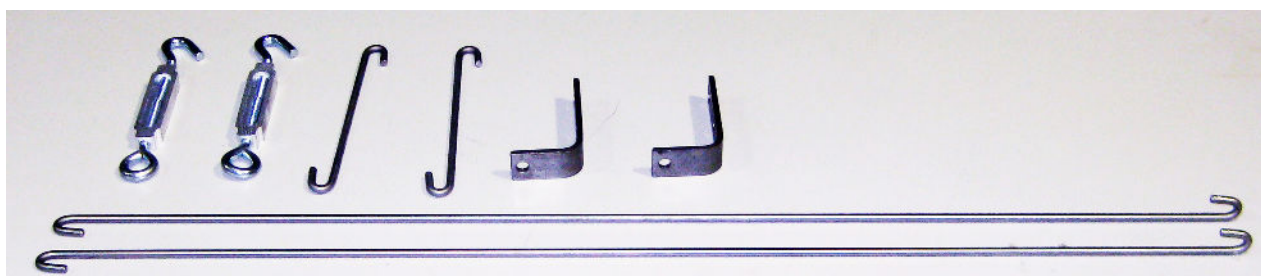


Leak Detector/Indicator

Roth DWT tanks are equipped with a visual leak detector located between the tank walls. A tripped leak detector is a sign of oil in the interstitial area of the tank, but does not necessarily mean the inner bottle has failed. The lowest point on the top of the tank is the penetration for the leak detector. The leak detector installs in a rubber grommet, supplied with the detector. The detector float sensor will respond to the presence of liquid and raise the red alarm indicator. When tripped, the presence of oil has to be determined and cleaned up. The float sensor based leak detector may be cleaned and re-used.

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2335001643	Leak Detector for 110 Gallon/400 L	3
2335021644	Leak Detector for 165 Gallon/620 L and 1000 L	3
2335021645	Leak Detector for 275 Gallon/1000 LH - Low Profile	3
2335021646	Leak Detector for 400 Gallon/1500	3

Tie Down Kits and Covers



Tie-down Kits - 2 tie-downs per kit

Roth Tie-down Kits are used to secure and tighten tanks in low and high risk areas and/or use with tank covers. Kits include clips over top rim of tank, base bolts to floor/concrete, tumbuckles to adjust tension, 2 tie downs per kit. Note that anchor/lag bolts supplied by installer, use one kit in low risk areas, and use multiple kits in high risk areas.

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2335000222	Tie-down Kit for 110G/400L	3
2335100222	Tie-down Kit for 165G/620L and 275G/1000L	3
2335200222	Tie-down Kit for 275G/1000LH - Low Profile	3
2335400222	Tie-down Kit for 400G/1500L	3



Tank Covers

The Roth tank cover is designed and tested for outdoor installations. This cover is designed to protect the top of the tank from both mother nature's weather elements as well as harmful ultraviolet rays. The cover length and width are not more than .5 in. greater than the overall length and width of the tank it is designed for. Overall height of the weather cover fully assembled is 18 inches, however requires a clearance of 24 inches vertical for full opening and closing due to its hinged style. The cover door is hinged at the bottom with butt hinges. This ensures alignment of the cover when opening or closing and makes the cover easy to open and manage in adverse weather conditions as it swings down against the front of the tank.



- Clasps on the sides of the cover to secure and opportunity to lock the cover.
- The door, hinge panel, hinges and associated hardware are pre-assembled, reducing field assembly time.
- Shipped unassembled except for the door and hinge panel as described above.
- May be used for multiple tank installations with separate fill and vent lines when fuel oil supply lines are manifolded outside the covers.

<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2335100749	Tank Cover for 110G/400L and 165G/620L	20
2335100757	Tank Cover for 275G/1000L	20
2335003721	Tank Cover for 275G/1000LH - Low Profile	20
2335002054	Tank Cover for 400G/1500L	32



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