



Double-wall Lubrication Oil Tanks

Product Catalog

Tanks
Reel and Pump Brackets
Kits
Gauges

6.2019



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 signed to prevent spills, leaks and fires caused by defective pipes, couplings or fittings located underneath the tank. 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.

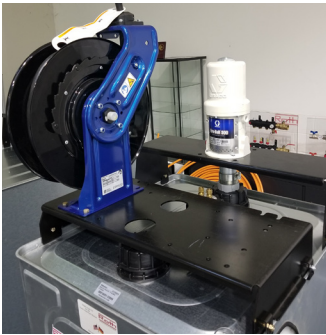
Tanks installed indoors shall not be exposed to direct sunlight on any plastic parts. Tanks installed outdoors shall be assembled with the required cover. All tanks must be installed with an approved vent alarm (Roth Vent Alarm #235000999, or equivalent sized UL listed whistle vent) in order to maintain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

-Each tank comes with a base, leak detector and (4) metal adapters (3 are installed and 1 is 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)	136
2335109003	Lube DWT 275 Gallon (1000L)	200
2335109004	Lube DWT 275 Gallon Low Profile (1000LH)	208
2335109005	Lube DWT 400 Gallon (1500L)	333

Tank Brackets



Hose Reel Bracket



Flanged and Threaded 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

<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

<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 Hose/Pump Bracket - includesXXXXXXXX

<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

Bracket Accessories

<i>Part #</i>	<i>Description</i>	<i>For use with</i>	<i>Weight (lbs)</i>
2315000200	Rubber Bellow	All bracket sizes	2

Lubricant Installation Kits

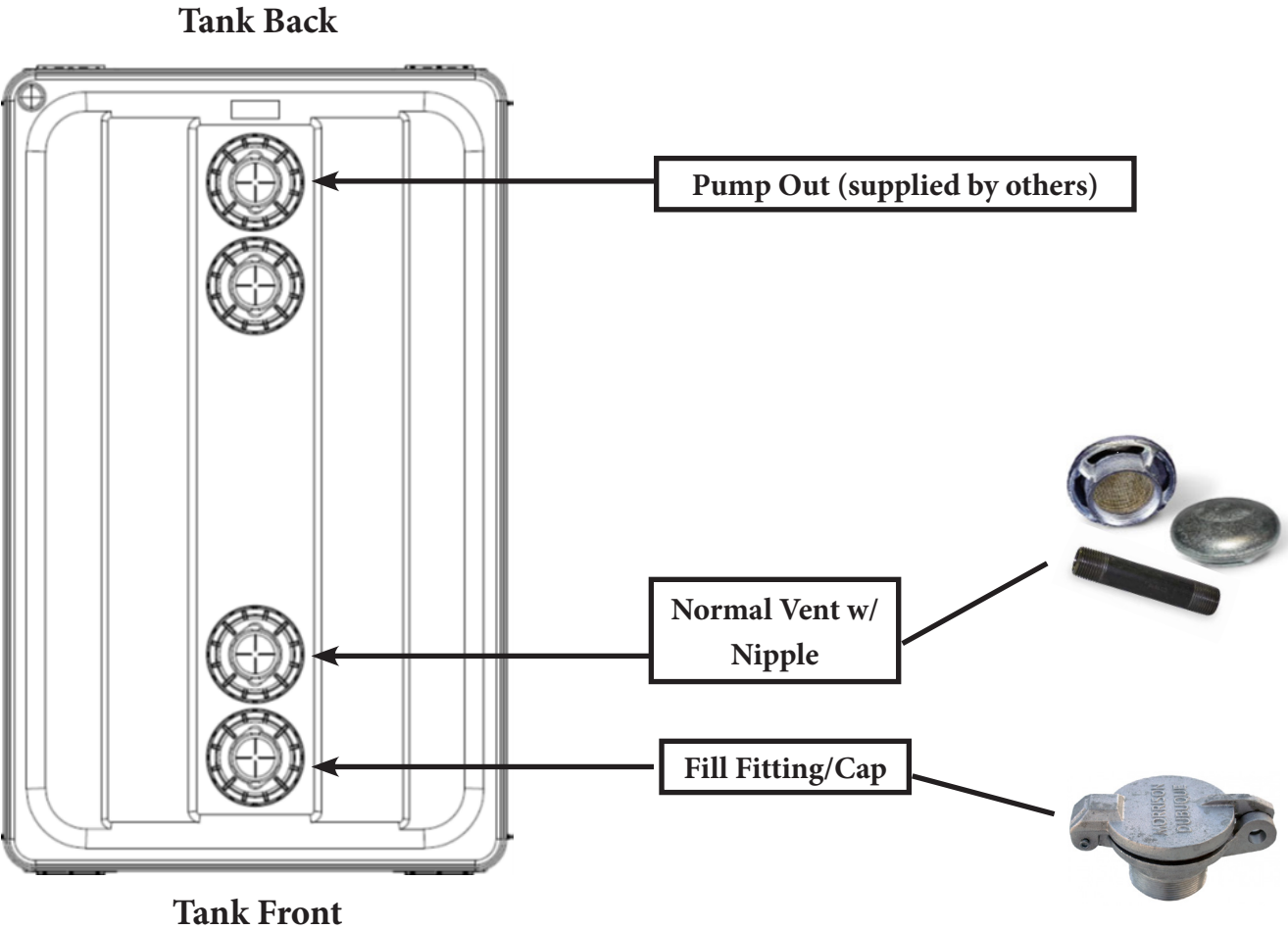
Lube Installation Kit - Basic

Basic Kit includes the following items:

- 1. Hinged Fill Fitting/Lockable Cap
- 2. Standard Metal Vent Cap (Mushroom Cap) with Nipple
- 3. Standard Vent Nipple

Assembly instructions on page XX

Part #	Description	Weight (lbs)
233xxxxxxx	Lube Installation Kit A for 110 Gallon (400L) Tank	10
233xxxxxxx	Lube Installation Kit A for 165 Gallon (620L) and 275 Gallon (1000L)	10
233xxxxxxx	Lube Installation Kit A for 275 Gallon Low Profile (1000LH)	10
233xxxxxxx	Lube Installation Kit A for 400 Gallon (1500L)	10



Lubricant Installation Kits

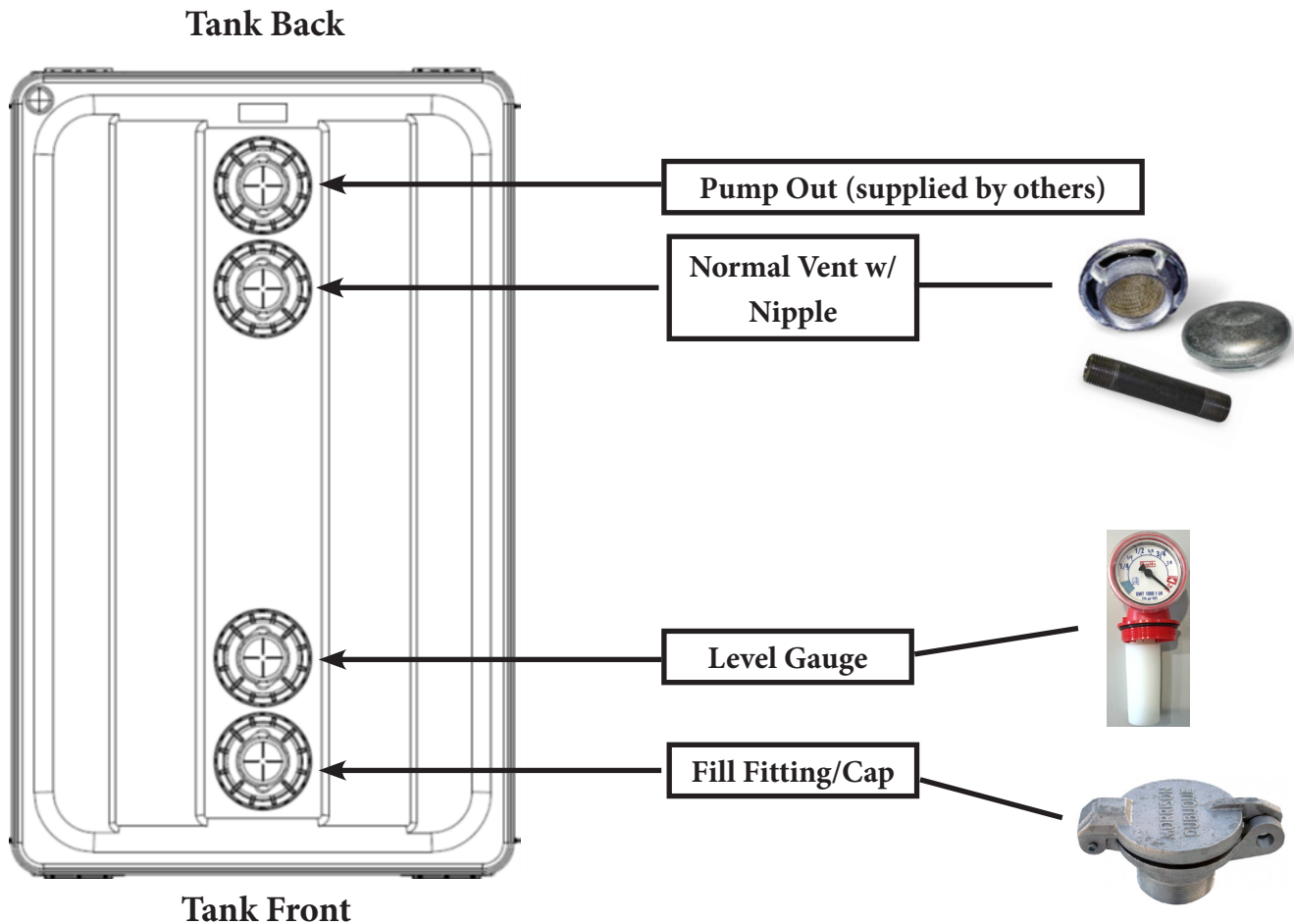
Lube Installation Kit Basic Plus

All kits include the following items:

1. Hinged Fill Fitting/Lockable Cap
2. Standard Metal Vent Cap (Mushroom Cap) with Nipple
3. Standard Vent Nipple
4. Standard Gauge

Assembly instructions on page XX

Part #	Description	Weight (lbs)
233XXXXXXX	Lube Installation Kit B for 110 Gallon (400L) Tank	10
233XXXXXXX	Lube Installation Kit for B 165 Gallon (620L) and 275 Gallon (1000L)	10
233XXXXXXX	Lube Installation Kit B for 275 Gallon Low Profile (1000LH)	10
233XXXXXXX	Lube Installation Kit B for 400 Gallon (1500L)	10



Lubricant Installation Kits

Lube Installation Kit Emergency Vent - Open or Closed

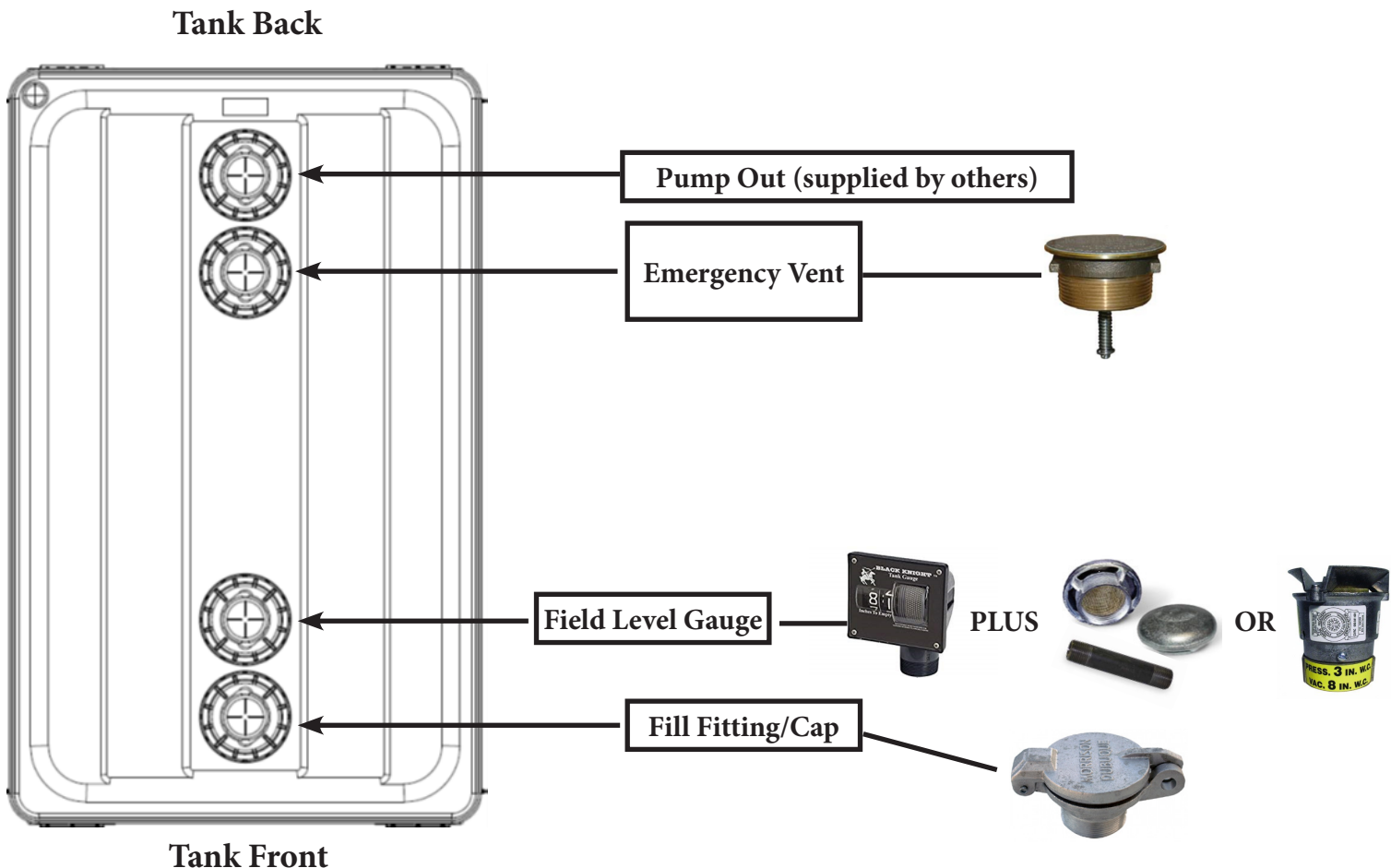
All kits include the following items:

Assembly instructions on page XX

1. Emergency Vent
2. Hinged Fill Fitting/Lockable Cap
3. Field Adjustment Level Gauge PLUS:
4. Standard Metal Vent Cap (Mushroom Cap) with Nipple OR Emergency Vent

Part #	Description - OPEN VERSION (EVO)	Weight (lbs)
233XXXXXXX	Lube Installation Kit EVO for 110 Gallon (400L) Tank	10
233XXXXXXX	Lube Installation Kit EVO for 165 Gallon (620L) and 275 Gallon (1000L)	10
233XXXXXXX	Lube Installation Kit EVO for 275 Gallon Low Profile (1000LH)	10
233XXXXXXX	Lube Installation Kit EVO for 400 Gallon (1500L)	10

Part #	Description - CLOSED VERSION (EVC)	Weight (lbs)
233XXXXXXX	Lube Installation Kit EVC for 110 Gallon (400L) Tank	10
233XXXXXXX	Lube Installation Kit EVC for 165 Gallon (620L) and 275 Gallon (1000L)	10
233XXXXXXX	Lube Installation Kit EVC for 275 Gallon Low Profile (1000LH)	10
233XXXXXXX	Lube Installation Kit EVC for 400 Gallon (1500L)	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 threaded 2" NPT with a rubber "O Ring" for sealing. It needs to be mounted on one of the plastic 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>
233xxxxxxx	Vent Nipple - 2" X 6"	

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



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
233xxxxxxx	Normally Closed Pressure Vacuum Vent	

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>
233xxxxxxx	Black Knight Tank Level Gauge	

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



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
233xxxxxxx	Hinged Fill Fitting/Lockable Cap	

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>
233xxxxxxx	Emergency Vent	

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.

Miscellaneous and Replacement Parts



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



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



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

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	



<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350000025	2" NPT Plastic Adaptor	

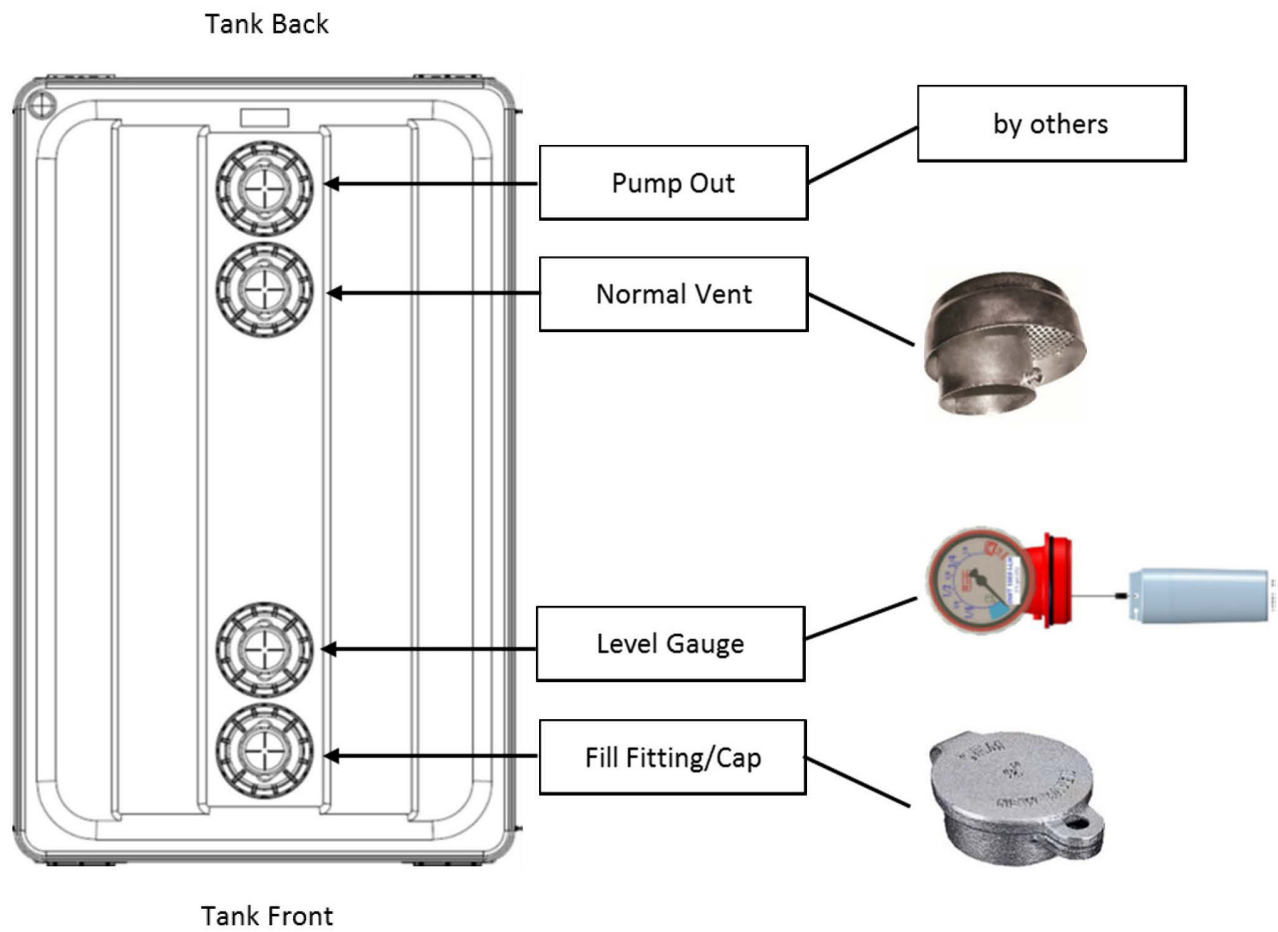


<i>Part #</i>	<i>Description</i>	<i>Weight (lbs)</i>
2350000024	Cap Nut	

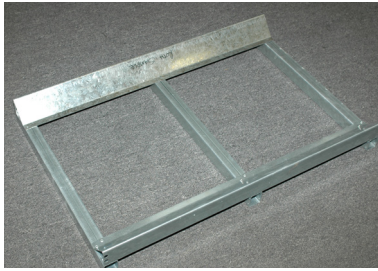
The Roth cap nuts are supplied with every tank and are used to attach all of the accessories. They are specifically designed and engineered for the Roth tank. This allows all of our flanged fittings proper support. The Roth cap nuts are supplied with every tank and are used to attach all of the accessories.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



Tank Base, Leak Detector/Indicator and Gauge



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

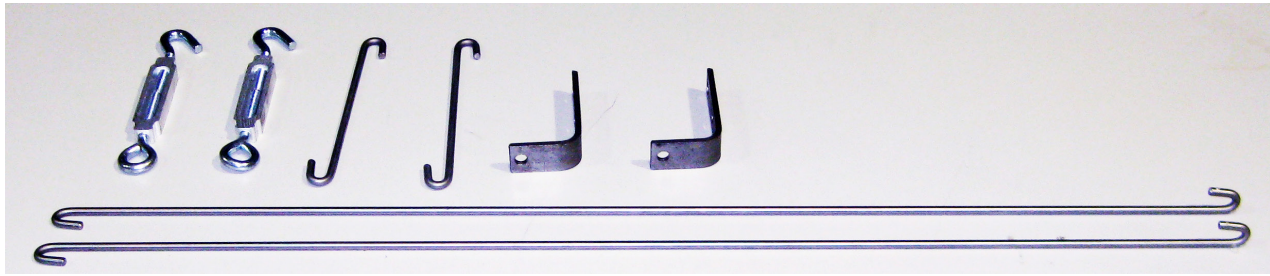


Leak Detector/Indicator

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

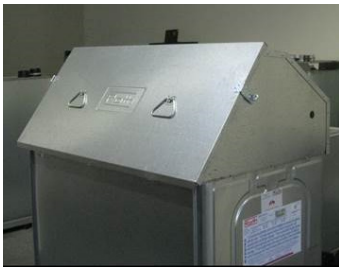
Tie Down Kits and Covers



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 assembly is 18 inches.- Handle(s), depending on size, on door to ease the process of opening and closing the door.

- Clasps on the sides of the cover to secure it and offer the opportunity to lock the cover to secure the tank against fuel theft.
- 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

