



2 in 1 Safety Tank

Installation Instructions

For single and Multiple Tank Applications



Listed under SU2258

Meets the requirements of NFPA 31 (2001) and CSA B-139-04

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1. General Warnings

Please read and observe these warnings! Failure to comply may void the tank warranty!

- Granby 2 in 1 Fuel Oil Storage Tanks must be installed by a person who has successfully completed Granby-certified 2 IN 1 installation training and the tank(s) must be installed according to these instructions.
- All Granby tanks (both inner and outer) are pressure tested at the factory according to UL® standards and do not require additional field-testing. If local codes require pressure testing of the piping, it should be done with the pipes disconnected from the tank. Further information is available in this manual.
- Do not stand on or store heavy objects on the top of these tanks.
- Do not install this tank if there is physical damage, which may affect the integrity of either the inner tank or outer containment tank. Further information is available in this manual.
- Do not remove the Leak Detector from the tank.
- All tanks must be installed with an approved vent alarm (Granby Vent Alarm #235000999, or equivalent sized UL listed whistle vent) in order to maintain warranty requirements.
- All tanks installed outside must have a Granby approved cover as specified in this manual.
- All multiple tanks must be installed with the Granby Expansion Kits or with separate fill lines for each tank as described in this manual. A field-constructed manifold for the vent piping may be used on multiple tanks with separate fill lines if permitted by local codes.
- Multiple tank installations using the Granby Expansion Kits must have a tight-fitting connection for the delivery truck hose. These tanks must be “pressure filled” at 40-85 gpm (150-325 lpm) and 85 psi (586 kPa) maximum pressure. “Cascade” filling of multiple tanks is not permitted under any circumstances. If “pressure filling” systems are not available on either the delivery truck or the fill connection point all tanks must have separate fill lines.
- The warranty for the steel containment tank is reduced from ten (10) years to five (5) years for tanks installed outdoors within 300’ (92 m) of the high water level of a salt-water body.
- The tank warranty is only valid if one copy of the warranty card is completed and returned to the manufacturer within ten (10) days of installation. The second copy must be left with the customer. If the warranty card is not registered as above, the warranty period will begin on the date of manufacture.
- The tank warranty applies to the original installation address only. Reinstallation of the tank at a new location will void the warranty.
- All Safety Tanks should be inspected by the homeowner, a qualified service technician or the fuel oil supplier at the beginning and end of the heating season to verify that the entire system is free of leaks. This is a minimum requirement. Some locations may require the fuel delivery driver to check the system before and after each delivery. Check local codes for requirements.

2. Technical Installation Instructions

General Information

The Granby 2 in 1 Fuel Oil Storage Tanks are UL[®] listed in the United States and Canada under SU2258 and approved under NFPA 31 (2001) and CSA B-139-04 as non-metallic fuel oil storage tanks. Other codes may be in effect in your area and may impose additional restrictions. If you have any questions regarding these requirements, please contact your local building or fire official for more information.

The Granby 2 IN 1 Safety Tanks are available in Two (2) sizes. Approximate dimensions and capacities are:

Tank Model	2 IN 1 620L	2 IN 1 1000L
Nom. Capacity US gal (liters)	165 (620)	275 (1000)
Length inches (cm)	29 (74)	43 (110)
Width inches (cm)	28 (72)	28 (72)
Height Inches (cm)	61 (155)	61 (155)
Min Height Req'd inches (cm)	66 (168)	66 (168)
Tank Weight lbs. (kg)	132 (60)	167 (76)
Shipping Weight lbs. (kg)	143 (65)	185 (84)

Approx. Footprint for Multiple 2 IN 1 Installations

Tank Model	2 IN 1 620L	2 IN 1 1000L
2 Tanks (Side by Side)	29 x 60 (74 x 152)	43 x 60 (110 x 152)
3 Tanks (Side by Side)	29 x 92 (74 x 234)	43 x 92 (110 x 234)
4 Tanks (Side by Side)	29 x 124 (74 x 315)	43 x 124 (110 x 315)
5 Tanks (Side by Side)	29 x 156 (74 x 397)	43 x 156 (110 x 397)
2 Tanks (End to End)	N/A	28 x 90 (72 x 229)

Only technicians who have successfully completed an installation-training course given by Granby representatives are permitted to install these tanks using the installation tools and guidelines described in this manual. Granby will maintain records of individuals who have successfully completed this training. Proper installation of each tank shall be acknowledged when one copy of the Warranty Certificate is completed and signed by the installing technician.

Inspection of Tank and Contents

Unpacking and Damage Evaluation

Do not remove any protective packaging until the 2 IN 1 has been delivered to the installation location. After unpacking, each tank should be visually inspected for “unacceptable” damage of the base support, the containment tank, the primary (inner) tank, rolled metal seams, fittings and accessories. Unacceptable damage is defined as any material, component or product defects such as holes, cuts or permanent deformation of the structural or fluid confining parts, which could cause leakage, excessive corrosion or other mechanical and fire safety hazards. Minor deformations and dents are acceptable except at the bottom of the dike.

Be sure to use care when you cut the shrink-wrap and remove the base and Styrofoam. Properly dispose of all packing materials.

Supplied With All Tanks

All Granby UL Listed tanks are supplied with:

- 4 - # 2350000024 Cap Nut
- 3 - # 2350000025 2" Plastic Adapters
- 4 - # 2350000031 #3 Gaskets
- 4 - Threaded Dust Plugs (Discard when ready to start installation if all connections are used)
- 4 - Bulkhead Nuts (Do not remove)
- 1 - Leak Indicator (Do not remove)
- 1 - #2350006801 2" Die Cast Adapter (installed in one of the tank connections)
- Warranty Forms (2), Installation Instructions (under packing on top of the tank)

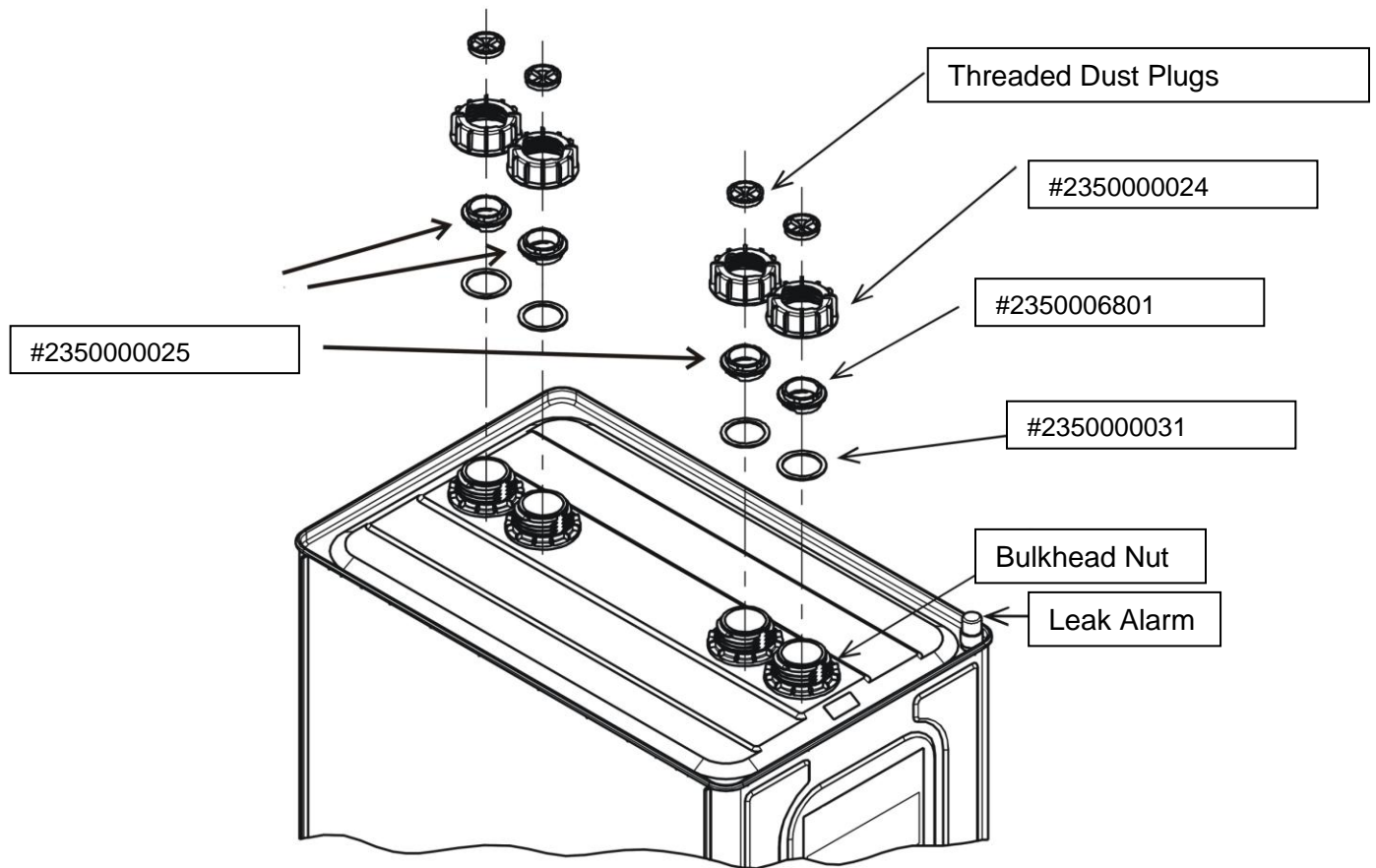


Figure 1

All parts shown in Figure 1 are preinstalled to prevent dirt from entering the tank during shipment. Be sure to inspect for damage and count all parts that come with the Granby 2 IN 1 prior to installation.

General Installation Instructions

Location Selection

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. Tank label must be 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 setbacks 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 #2335100749 for the 620L, Roth #2335100747 for the 1000L) These covers are purchased separately and are not included with the basic tank.

Piping Connections

Connect the fill, vent, burner fuel supply piping and other accessories in accordance with local codes using only the provided transition or blank fittings and accessories. Only vent alarms specified by the manufacturer (Vent Alarm #235000999, or equivalent sized UL[®] listed vent whistle) shall be used in the tank before connection with the vent pipe. Care should be taken to ensure proper position of all gaskets and threaded connections to avoid damage or leakage. All pipe and fittings should be hand tightened and inspected for proper alignment prior to final tightening. Tighten the plastic fittings with the Tank Fitting Wrench (#2335100191) or similar device. Plastic fittings should be tightened to approximately 18 ft-lb (2.5 kg-m) initially. You may use approximately 1.5x this torque, if needed. **Pipe sealants or Teflon tape are not allowed on any of the threaded plastic connections.** Bending of the pipes beyond 15° during assembly, placing stress on the transition fittings or other distortion of fittings is not allowed. Metal threaded connections should be installed in the normal manner with thread sealant, pipe wrenches, etc. All fill, vent and fuel supply piping shall be secured and supported by fire resistant hangers to prevent stress loading of the tank or fittings. The vent and fill piping shall be inspected to verify there are no blockages and terminated outside the building with acceptable fittings and in a location allowed by local codes.

Outside Installation (Single Tank)

Tanks used in outdoor locations shall be assembled only with the required covers (#2335100749 for the 620L, #2335100757 for the 1000L,) with the fill, vent and fuel gauge located inside the cover. For connection to the burner fuel piping, open a knockout for the tubing to exit the cover and replace it only with a UL[®] listed outdoor rated bushing matching that tubing size to ensure a liquid-tight fit.

Testing & Approval for Commissioning

Both inner and outer tanks are pressure tested at the factory during assembly according to UL[®] standards and do not require further field-testing. If local codes require a pressure test for the piping, this test should be performed with the piping disconnected from the tank(s). After the assembly is completed, the final connections at the tank may be tested using one of the following methods: 1^o air tested at 0.5 psi (3.5 kPa) using a leak detection solution on the fittings. It is not necessary to use pressures in excess of 0.5 psi (3.5 kPa) for this purpose. 2^o hydrostatic test consisting of a thoroughly inspection of all connection during the first complete filling. If leaks are found at the plastic connections, check alignment and correct to seal the leak. If the fitting does not seal or is defective, it should be replaced. Following the check of the final connections, verify that the Leak Indicator is properly seated. A final visual inspection shall be done at this time including verification that all of the required labels are visible and instructions are available for the user. If all required installation items described above are accepted, the technician shall provide contact information (installing company's name and phone number) on the owner's copy of the Warranty Certificate,

Flood, Wind & Earthquake Protection

If tanks are installed in areas subject to earthquakes, high winds or floods, good engineering practices should be observed for tank location, piping support and connections. Local codes may require the installation of particular restraint devices, limit the placement of tanks or impose other installation requirements. You should contact your local building department for further information. We suggest the use of the Granby Tie Down Kit, #2335100222 in these areas. Earthquake bands may also be available from your local supply house. These bands secure the tank to a structural wall to limit movement during earthquakes or high winds. When using these bands it is important not to screw the band to the outer containment tank as this will destroy the containment tank integrity and possibly damage the inner tank and void the warranty!

3. Single Tank Installation Instructions (see Figure 2)

Beginning Installation

Insure that all of the General Installation Instructions have been followed.

Set the base on the floor in the desired location. The location should provide a stable, level area capable of supporting the weight of the tank you will be using. Local codes may impose restrictions on the material and construction methods of the base material. Observe all clearances for building and fire code requirements for your area.

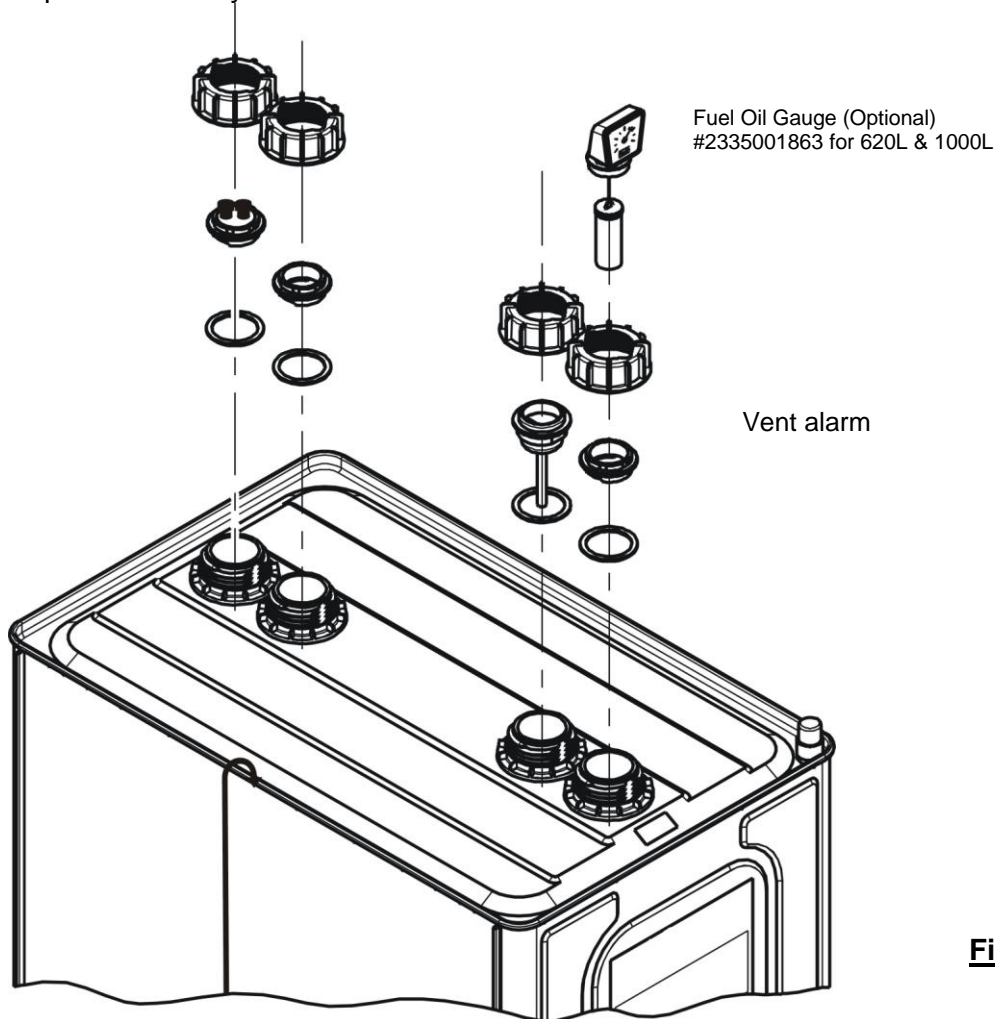


Figure 2

Determine which of the tank openings will be used for the fill, vent, fuel supply and gauge (if used) based on your installation requirements. Figure 2 is a suggested connection diagram only and other connection patterns may better suit your installation requirements. It is strongly suggested that if you use the optional fuel gauge that you install it at the opposite end of the tank from the fuel supply suction. This will ensure that the gauge float does not get tangled in the suction line.

Piping Connections

Remove dust plugs from the tank only when you are ready to use that connection. It is recommended that you assemble all fill and vent lines prior to connecting them to the tank. All piping must be properly supported and aligned with its connection point to the tank. Do not try to straighten the pipe by tightening the plastic cap nut. **DO NOT USE THE TANK TO SUPPORT THE PIPE.** The tank is not designed to support the weight of the piping and will not tolerate the torque of misaligned pipe.

All piping should be air pressure tested prior to final connection with the tank. Every tank is factory tested. Do not air test the Granby 2 IN 1 in the field at pressures in excess of 0.5 psi (3.4 kPa) as this will void the tank warranty. If local codes require a piping pressure test higher than 0.5 psi (3.4 kPa), the test must be performed with the piping disconnected from the tank. After a successful piping pressure test make the final connections and perform a final air test on all the connections at no more than 0.5 psi (3.4 kPa) using a leak detection solution on all of the fittings. Do not use any pipe thread sealant or Teflon tape on any plastic threaded connections.

Fill Piping

Each fitting on the top of the tank is a swivel connection. **Do not use Teflon tape or pipe joint compound on any plastic threaded connection or on the gaskets.** Slide the large cap nut over the fill pipe connection and then tighten the 2" die cast adapter onto the end of the pipe. Place the #3 gasket on the sealing face of the adapter and place the adapter on the tank connection. Check the piping for proper alignment and length and adjust, as needed prior to the final tightening. Be sure that the gasket is properly seated between the adapter and the tank and tighten the cap nut onto the tank. Firm hand tightening is all that should be needed for a good seal. The Granby wrench (#2350002223) is for final torque. 18ft-lbs (2.5 kg-m) is the maximum required torque for this fitting.

Vent Piping

ALL TANKS MUST BE VENTED. Unless another UL[®] approved system for fill level detection is used, all tanks must have a vent alarm (whistle) installed. We require the use of our proprietary vent alarm (#2350000999) in each tank. This vent alarm also provides a 2" NPT adapter for easy connection of your vent piping to the tank. The Granby Vent Alarm is installed in place of one of the plastic adapters in the top of the tank. Use the cap nut and a #3 gasket to secure the vent alarm in the manner described above.

Vent lines must not be trapped in any way that could reduce the venting capacity of the line. Granby strongly recommends the use of a 2" vent line in all applications; however, local codes may allow some variation. You should contact your local building department or refer to the current edition adopted in your area of NFPA 31 (US) or CSA B-139 (Canada) if you have any questions.

Fuel Supply Piping

When replacing an existing fuel oil storage tank it is the installer's responsibility to check the condition of the existing fuel lines to the burner and determine if they are serviceable or need to be replaced. Consult your local codes to determine the requirements for your area if the lines need to be replaced. Follow the normal piping practices for supplying oil from top feed storage tanks.

The fuel supply piping to the burner should be done with the Granby duplex bushing with copper tubing (# 2350000026 with 3/8" fitting or # 2350000027 with 1/2" fitting).

"Hard Pipe" Fuel Supply

Fabricating your own fuel supply line of copper tubing and duplex/simplex tank bushings is always an option with the Granby 2 IN 1. This is done in a similar manner to piping any standard top connection fuel tank. Install the Granby duplex bushing with the appropriate fittings for the copper tubing (# 2350000026 with 3/8" fitting or # 2350000027 with 1/2" fitting). The Granby duplex bushing are supplied with slip-trough compression fittings. Flare fittings are always recommended for all joints in fuel oil lines to ensure proper vacuum seal. Install the suction line to a level that is a minimum of 1" (2.5 cm) above the bottom of the tank to prevent drawing dirt into the fuel line. If a return line is used in your application, it should be terminated as customary. If the return line is terminated above, the lowest expected fuel level in the tank a check valve will be required on supply line to maintain prime during burner off cycles.

Local regulations and good piping practices may require the installation of accessory items in the supply line, such as fire valves, check valves filters, etc. It is the installer's responsibility to know of and comply with these regulations and practices.

Fuel Level Gauge

Granby has an optional fuel level gauge that can be installed in the 2 IN 1. These are sealed gauges and have 2" threaded connections with "O" ring seals and cord style floats. 2 IN 1, #2335001863 fits both the 1000L (275 gal) and 620L (165 gal). They are installed into one of the plastic adapters included with the tank. Remove the dust plug from one of the 2" plastic adapters and install the fuel gauge into the adapter. Hand tightening is all that is required because the gauge has an "O" ring seal for the threaded connection. Install a #3 gasket on the seating surface and place the unit into one of the tank connections. The cap nut is used to secure the unit to the tank and is tightened in the same manner as mentioned above. We recommend that the fuel gauge not be installed in a port adjacent to the fuel suction line to avoid tangling the float with the suction line.

Outside Installation (Single Tank)

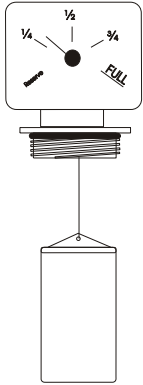
All conditions of the General Installations and Single Tank Installation Instructions apply. Be sure to comply with all local building and fire codes concerning location, clearances and setbacks. A proper cement pad must be provided for the tank base. This base should meet the requirements of the current edition adopted in your area of NFPA 31 (US) or CSA B-139 (Canada) and any other local codes. At a minimum, it should extend 6" (15 cm) beyond the edge of the tank, as described earlier. Consult your local building department if you have any questions regarding these requirements.

All tanks installed outside must use a Granby Approved Tank Cover. 2 IN 1, #2335100757 fits the 1000L (275 gal) 2 IN 1 and #2335100749 fits both the 620L (165 gal). The fill pipe, vent pipe and fuel level gauge (if used) are to be located inside the cover. We recommend that outdoor installations should pipe with just a supply line and the use of a de-aerator at the burner instead of a return line. The fuel supply line (and return line, if used) must exit the cover through one of the knockouts provided in the cover and a UL[®] approved, outdoor rated bushing installed to ensure a liquid-tight seal. All fuel piping to the burner must be properly supported and protected. Some areas also require the use of jacketed containment tubing for both above and below ground fuel lines. Be sure to comply with all local codes and observe good piping practices.

No tank cover is need if the 2 IN 1 is installed in a garage or shed. A shed must provide protection from rain and snow and prevent water from standing on the top of the tank. Improper protection may allow water to enter the containment tank and freeze. This will damage the inner polyethylene tank and void the warranty.

4. Installation Accessories

Fuel Level Gauge



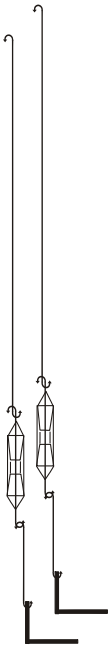
#2335001863 for the 620L & 1000L

- 2" NPT connection has an O-ring seal and only requires hand tightening
- 30 psi pressure rating

Fig 3

Tie Down Kit

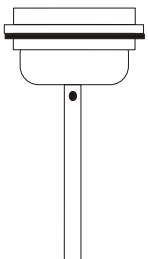
#335100222 for the 620L & 1000L



- Clips over top rim of tank
- Base bolts to floor/concrete
- Turnbuckles adjust tension
- 2 tie downs per kit
- Anchor/lag bolts supplied by installer
- Use one kit in low risk areas
- Use multiple kits in high risk areas

Note: Tighten each side evenly in an alternating pattern. Do not over tighten. Make sure that the tank remains level while tightening the tie downs

Fig 4



Vent Alarm

#23350000999 (all tank models)

- Specific for Granby 2 IN 1
- All metal construction
- 2" FPT adapter is built in for easy connection of the vent piping.

Fig 5



Tank Fitting Wrench

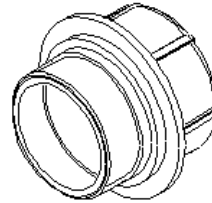
2350002223 (all tank models)

Tool for tightening the Large Plastic Cap Nut on all Granby 2 IN 1.

Fig 6

Metal 2" NPT Tank Adapter

#2350006801 (all tank models)



- Provides 2" female NPT connection point
- One (1) adapter

included with each tank

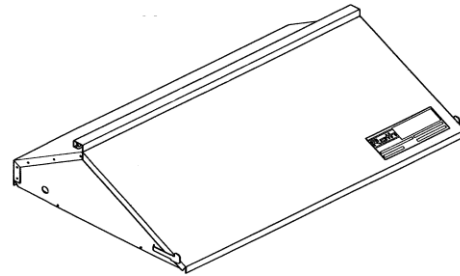
- For connecting the fill pipe to the tank in single tank or "separate fill & vent" multiple tank applications
- For connecting a duplex tank bushing when "hard piping" fuel supply lines (*this requires the purchase of a second adapter in many cases*)

Fig 7

Granby Tank Covers

#2335100749 for the 620L

#2335100757 for the 1000L



- Assembles and installs quickly with stainless steel screws provided
- Fastens to tank lip with self-tapping screws provided
- Knock-outs on both ends and back (total of 4) for fuel oil supply lines
- Required for outdoor tank installations
- May be used for multiple tank installations with separate fill and vent lines when fuel oil supply lines are manifolded outside the covers.

Fig 8

5. Multiple Tank Installations

Initial Considerations

The same considerations for location, setbacks, clearances, etc. that apply to single tank installations also apply to multiple tank installations. In general, the maximum number of tanks that can be installed in a location is five (5) 620L or 1000L. Be sure to check your local codes to determine what is allowed in your area.

When installing multiple tanks in tandem, all tanks must be the same model, at the same height, level and plumb. You cannot manifold different models without a risk of unequal draining or filling.

Indoor Installations (see Fig 10)

Granby offers easy to install Expansion Kits to manifold multiple indoor tanks. All tanks can be installed in a side by side configuration as shown in Fig 10. Additionally, the 1000L 2 IN 1 can be installed two (2) tanks end to end. *The end to end configuration is only available for two (2) 1000L tanks.* These kits provide a common vent, fill and fuel oil supply connection.

Note: When using the Granby Expansion Kits, the tanks must be pressure filled! A tight seal connection is required between the delivery truck hose and the fill fitting. The fill rate must be 40 to 85 gpm (150 to 325 lpm) at a pressure not to exceed 85 psi (586 kPa). Failure to fill the tanks within these parameters may result in an overflow of one or more tanks. If a pressure fill connection is not available the tanks must be piped with separate fill lines.

The Granby Expansion Kits are available in the following configurations:

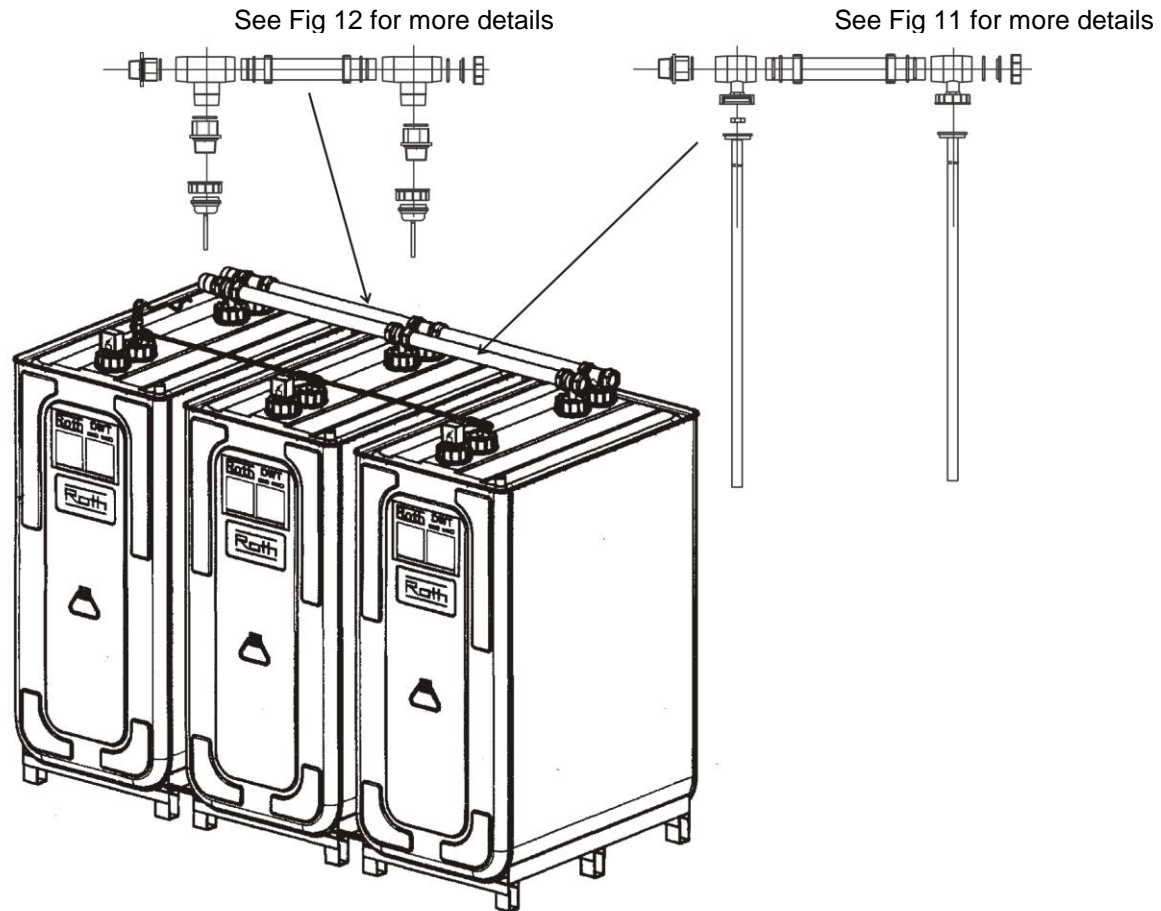
Kit #1 #115007012 For the first two 620L or 1000L tanks side by side ¹
Kit #2 #115007013 For the 3rd, 4th and 5th 620L or 1000L tanks side by side
Kit #3 #115005343 For two (2) 1000L tanks in end to end configuration ¹

(Important! Do not install tanks without reading this section!)

As noted above, when the Granby Expansion Kits are used to manifold the tanks with a single fill connection, the tanks must be pressure filled at between 40-85 gpm (150-325 lpm) and at no more than 85 psi (586 kPa). This requires a tight fitting connection between the delivery truck nozzle and the fill fitting.

If the proper fill connection or delivery truck hose connection is not available in your area you must use individual fill pipes. Please see the note above. Failure to pressure fill tanks using the Granby Expansion Kit fill piping will result in possible over-pressurization or overflow of one or more tanks. This condition will void the warranty. Some areas do not allow common fill pipes and require individual fill pipes for each tank. Please check your local codes to determine the requirements for your area.

Multiple Tank Side by Side Installation

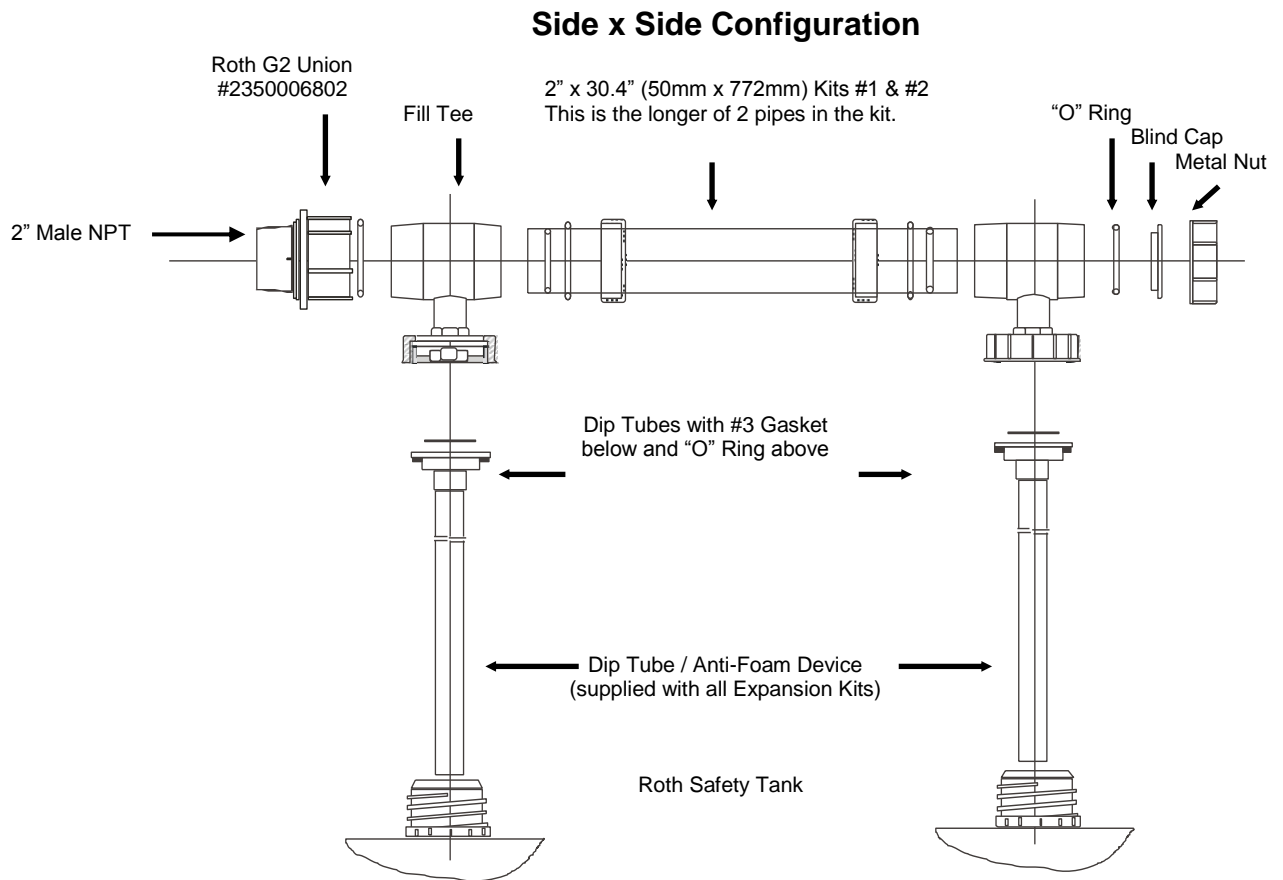


**All multiple tanks must be the size and at the same height.
All tanks must be level and plumb for proper function.
All tanks using the Roth Expansion Kits must be filled at
40-85 gpm (150-325 lpm) at no more than 85 psi (586 kPa).**

Fig 10

The fill piping for the Granby Expansion Kits (side by side configuration) #1, #2, #4 and #5 are installed according to Fig 11 (see below).

Multiple Tank Installation - Fill Pipe



WARNING: TANKS MUST BE FILLED BY A TRUCK AT A RATE NO LOWER THE 40 GPM.

Fig 11

if you are using separate fill pipes for each tank they are piped in the same manner as a single tank installation.

Vent Piping

Each tank in a multiple tank installation must have a separate Vent Alarm (#2335000999) or an equivalent sized UL[®] listed vent whistle/device to detect the proper fill level of each tank. The Granby Vent Alarm has a built-in 2" NPT female adapter. You must use the G2 union included with the Expansion Kits to connect the Vent Alarm to the Vent Tee. Do not connect the Vent Tee directly to the Vent Alarm. This combination will not seal correctly and will result in nuisance oil odors or possible leaks. Most areas will allow a common vent pipe for multiple tanks even if they require separate fill pipes. Be sure to check your local codes to verify. The Granby Expansion Kit vent piping for side by side tanks is installed as shown in Fig 12 below.

Multiple Tank Installation - Vent Pipe

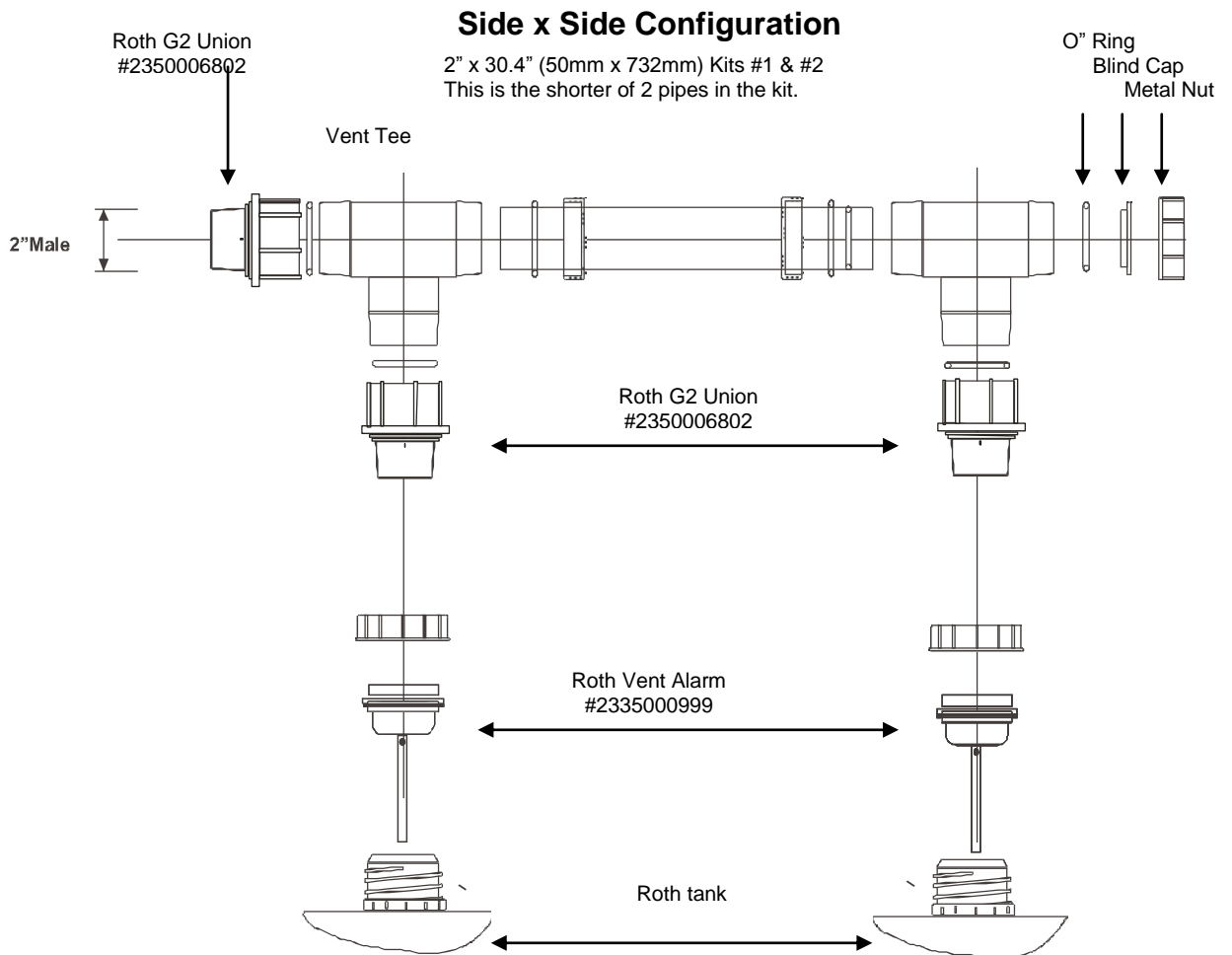


Fig 12

Fuel Supply Piping

“Hard pipe” the fuel supply lines using tank bushings and copper tubing.

“Hard Pipe” Fuel Supply Piping

“Hard Piping” the fuel supply line(s) is allowed in all applications and configurations of any size Granby 2 IN 1. Fuel supply piping is field fabricated using standard duplex/simplex 2” tank bushings with copper tubing (sized for the application) in an “Equal Manifold” configuration. This method applies to a 1-pipe or 2-pipe fuel system.

The tanks return piping, if used, must also be an “equal manifold” configuration the same as the supply. It is important to make the manifold parts as close to equal as possible to ensure equal draw from all tanks (1-pipe systems) and equal return to all tanks (2-pipe systems). When connecting the fuel supply piping with a duplex bushing and copper tubing and using the Granby Expansion Kits, use the Granby Duplex Bushing (# 2350000026 with 3/8” fitting or # 2350000027 with 1/2” fitting). The Metal 2” NPT Adapter (#2350006801) included with each tank is not needed to connect the fill pipe because the fill tee included with the kit connects directly to the tank. Fig 13 shows the basic assembly of the tank bushing and fuel supply piping with two tanks and the manifold construction with up to five tanks.

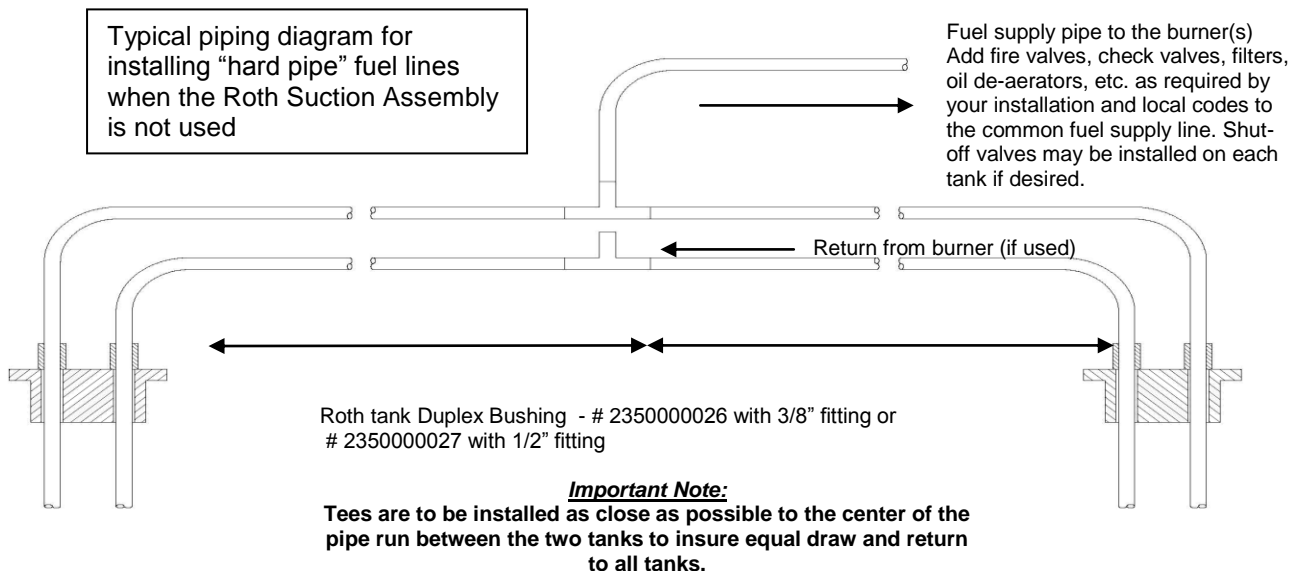
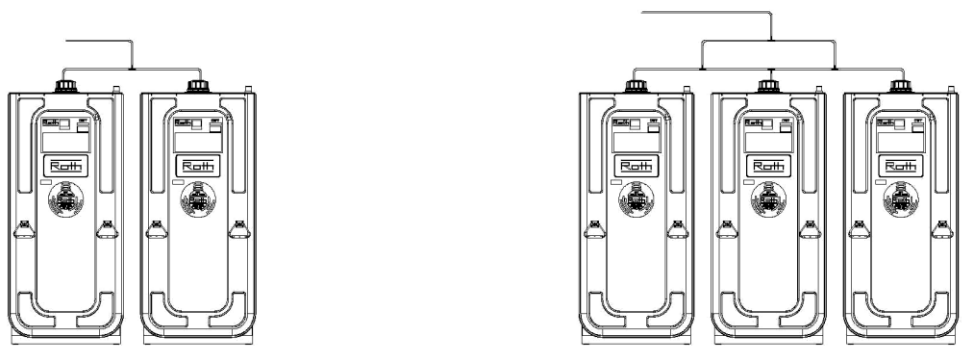


Fig 13



The maximum lift available from the bottom of the tank to the highest point of the piping is determined by the performance of the burner fuel pump. Please refer to the pump manufacturer's instructions for maximum available lift. *In most cases a 1-pipe system has 8' (2.4m) max lift regardless of whether there is single stage or two-stage fuel pump.*

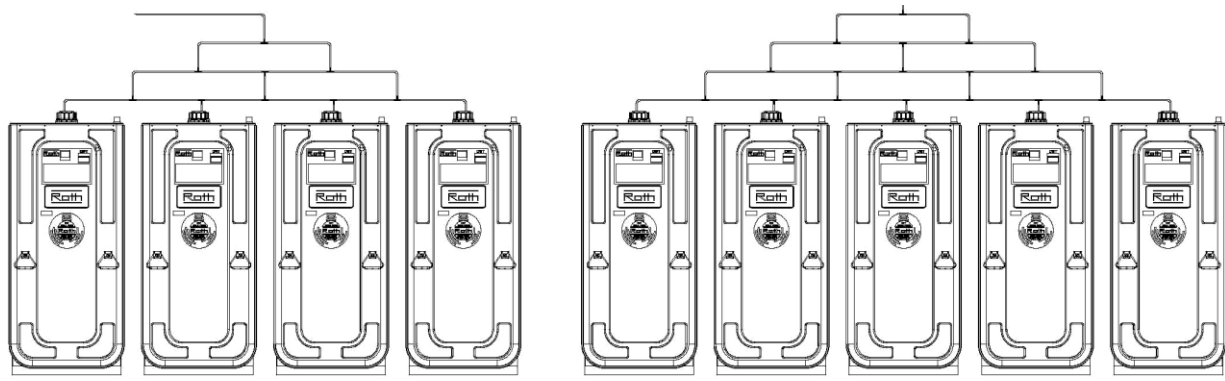
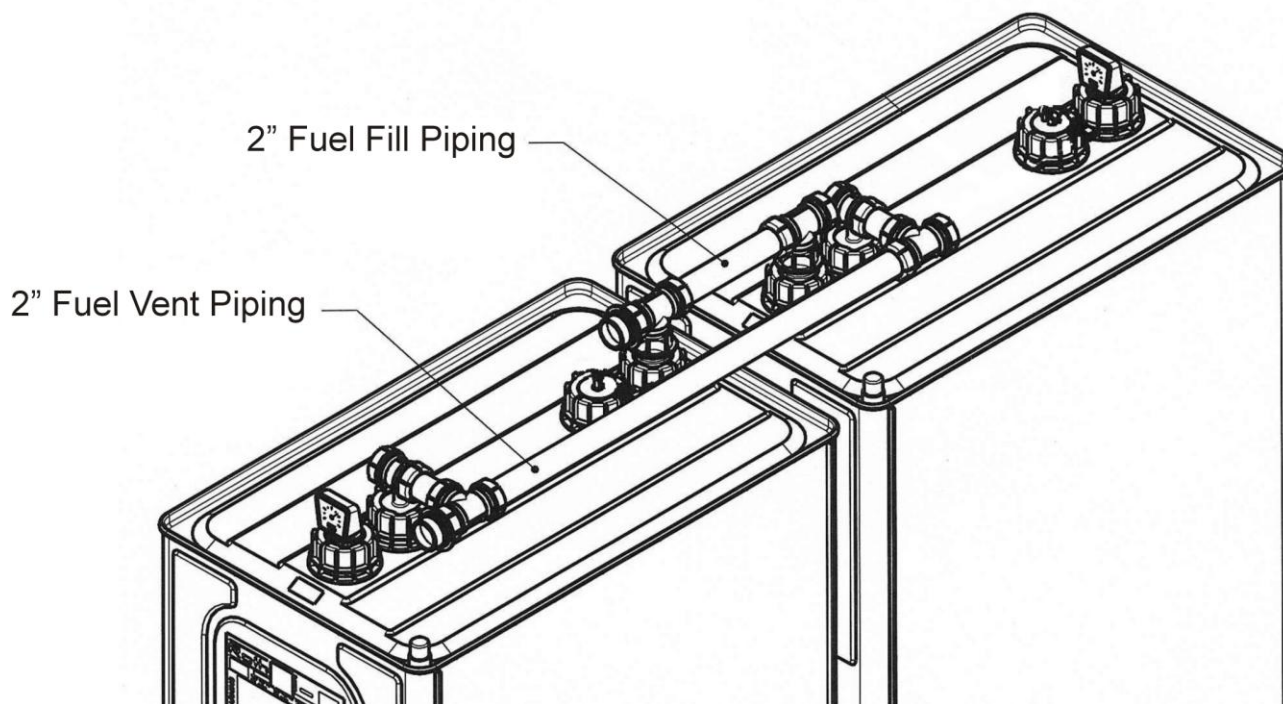


Fig 14

End to End Installations

Granby offers an Expansion Kit #3 (#235005343) for indoor installation of two (2) 1000L tanks. End to end kits are not available for any other model tank or for more than two (2) 1000L tanks. Installation is similar to the side by side kits. The following illustrations show the assembly of this kit.

End to End Multiple Tank Installation



Note: All multiple tank installations using the Roth Expansion Kits must be filled at a rate of 40-85 gpm (150-325 lpm) at no more than 85 psi (586 kPa) with a tight fitting connection between the truck nozzle and fill fitting!

Fig 15

All conditions for multiple tank side-by-side installations must be observed for end to end multiple tanks installations. These include requirement for a Vent Alarm for each tank. use of the 2" NPT Transition Adapter between any NPT connection and the compression connection at the vent and fill tees, piping instructions for field assembled "hard pipe" fuel supply lines, etc.

Outdoor Installations of Multiple Tanks

The Granby Expansion Kits cannot be used with outdoor tank installations. The tanks are to be installed in the same manner as single tank outdoor installations. Each tank requires a separate fill pipe, vent pipe and Granby Vent Alarm (#2350000999) or equivalent sized UL[®] listed vent whistle for accurate indication of the fill level.

All outdoor tank installations require the use of the Granby Tank Cover for each tank (purchased separately). Granby Tank Cover #2335100749 fits the 620L, #2335100757 fits the 1000L. The fill pipe, vent pipe and fuel gauge (if used) must be located under the cover. The fuel supply piping must exit the cover at one of the knock-outs and be sealed with a UL[®] listed outdoor rated bushing to provide a water-tight seal. Tanks located in a garage or fully-enclosed shed are not required to use the Tank Cover.

The tanks will need to be hard piped as in Fig 14 with the manifold assembled on the outside of the cover. All conditions listed for multiple tank indoor installations using hard pipe fuel supply lines also apply to outdoor installations.

If you have any questions regarding any installation please contact the Granby office for your area at the number listed on the cover of these instructions.

6. Final Completion

Upon completion of any installation the tank installer shall verify that all conditions of the project are in compliance with these instructions and any local code requirements. The installer shall then complete one of the Warranty Certificates for each installed tank and leave this copy with the owner. Contact information for the installer is to be included on this form. The second copy of the Warranty Certificate is to be completed with date and location of the tank installation, customer contact information, name & address of the installing contractor and installer's signature. A copy of the Installation Check List is to be complete and signed. The installer's signature is verification that the installation conforms to all Granby instructions and meets the requirements of local codes. Both forms, one Warranty Certificate and one Installation Check List are then to be returned to the Granby office in your area for warranty registration. Upon receipt of the completed Warranty Certificate Granby will enter this information into its records for future reference. *This information is for warranty purposes only and will not be shared with any other company for reasons other than warranty maintenance.*

