

4800 SERIES TANK SUMP



IMPORTANT
Please read all warnings and follow the installation instructions completely and carefully. Failure to do so may cause product failure, or result in environmental contamination due to liquid leakage into the soil, creating hazardous spill conditions.



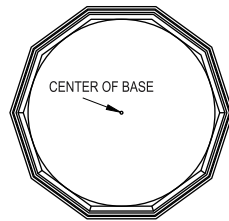
WARNING - DANGER
Using electrically-operated equipment near gasoline or gasoline vapors may result in fire or explosion, causing personal injury and property damage. Be sure that the working area is free from such hazards and always use proper precautions.

1 Install Base Using a Tank Fitting Adaptor or Manway

IF MOUNTING SUMP TO A TANK COLLAR, SKIP STEP ① AND GO TO STEP ②.

For tank fitting adaptors and manway style installations, locate the center of the sump base (Figure 1). Align drill template and transfer holes into the sump. Thoroughly sand the surrounding area with 80 grit sandpaper. Clean all sanded surfaces with acetone and let dry. Apply a generous bead of Bostik adhesive to the exterior side of the sump, around all of the holes. Mount sump and tighten nuts using a star pattern to ensure an even seal. Backfill the void between the top of the tank and the bottom of the sump base with clean fill or pea gravel making sure that no voids left. Proceed to Step ⑤.

TANK FITTING ADAPTOR AND MANWAY INSTALLATION



SUMP BASE WITH BOTTOM

FIGURE 1

TANK COLLAR EPOXY INSTALLATION

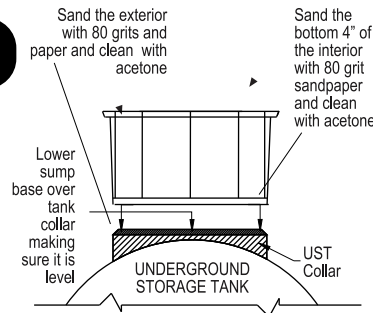


FIGURE 2

EPOXY BOND INSTALLATION

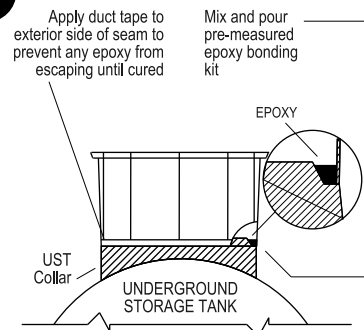


FIGURE 3

2 Install Base To Tank Collar Using Epoxy Bonding Kit

IF USING FIBERGLASS BONDING KIT, SKIP STEP ② AND ③ AND GO TO STEP ④.

If the sump base came from the factory with a bottom in it, you will need to remove the bottom by cutting it 3/4" up from the bottom of the sump base.

Sand the bottom 4" of the interior surface of sump base where it will be bonded to the tank collar and sand the exterior of the tank collar where it will be bonded to the sump with 80 grit sandpaper. Clean all sanded surfaces with acetone and let dry (Figure 2).

3 Making Epoxy Bond

IF ALREADY USED EPOXY KIT, SKIP STEP ④ AND GO TO STEP ⑤.

Carefully lower the sump base onto the tank collar and make sure that it is sitting level. Seal exterior side of sump at joining surfaces with duct tape to prevent epoxy from escaping during the pouring process. Mix and pour the epoxy per the labeled instructions between the tank collar and the sump base (Figure 3). Allow epoxy to set until it is completely hard. Cure time depends on temperature.

SKIP STEP ④ AND GO TO STEP ⑤.

4 Bond Sump Base to Tank Collar Using Fiberglass Bonding Kit

IF ALREADY USED EPOXY KIT, SKIP STEP ④ AND GO TO STEP ⑤.

If the sump base came from the factory with a bottom in it, you will need to remove the bottom by cutting it 3/4" up from the bottom of the sump base. Carefully lower the sump base onto the tank collar and make sure that it is sitting level. Sand the exterior of the sump base and the tank collar approximately 3" on both sides of the joint with 80 grit or coarser sandpaper (Figure 4). Wipe the entire sanded surfaces clean with acetone and let dry. Check to ensure base is level. Apply three layers of supplied fiberglass mat to joining surfaces (applying 1 layer at a time) following the labeled instructions on the fiberglass bonding kit. Once fiberglass is hard, sand seam with 80 grit sandpaper. Clean with acetone and let dry. Mix and apply a generous coat of gelcoat per the labeled instructions to seal any pinholes. Wait until gelcoat hardens. Proceed to Step ⑤.

FIBERGLASS BOND INSTALLATION

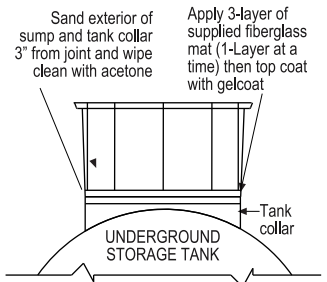


FIGURE 4

CANOPY INSTALLATION

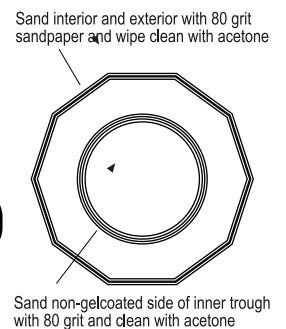


FIGURE 5

5 Prepare The Canopy For Installation

Sand both interior and exterior surfaces of the canopy around the perimeter where the canopy sits in the mating trough with 80 grit or coarser sandpaper and wipe clean with acetone and allow to dry. Also, sand the non-gelcoated side of inner trough area where the adjustable riser will sit with 80 grit sandpaper. Wipe clean with acetone and allow to dry (Figure 5).

If installing an upper body for a deep burial sump, sand the upper body riser in the same areas as you would on the canopy.

EPOXY INSTALLATION

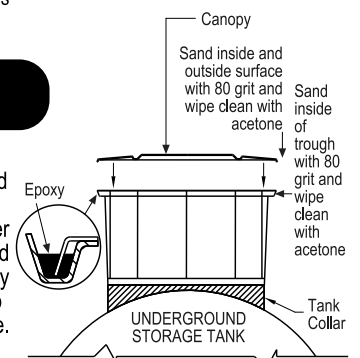


FIGURE 6

6 Installing the Canopy

A. To install the canopy using an epoxy bonding kit, mix the epoxy per the labeled instructions and pour the epoxy into the trough area of the sump base. Then, lower the transitional canopy into the epoxy filled trough (Figure 6). Make sure that the epoxy covers the entire seam. Wait for epoxy to harden. Cure time depends on temperature. Proceed to Step ⑧.





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B. To install the canopy using a fiberglass bonding kit, apply three (3) layers of fiberglass mat (1 layer at the time) per the labeled instructions (Figure 7). Wait until fiberglass hardens, then sand with 80 grit sandpaper and wipe clean with acetone. Mix and apply a generous coat of gelcoat per the labeled instructions to seal any pinholes. Wait until gelcoat hardens. Proceed to Step 8.

If installing an upper body for a deep burial sump follow same process as above using either Step A or B. Proceed to Step 8.

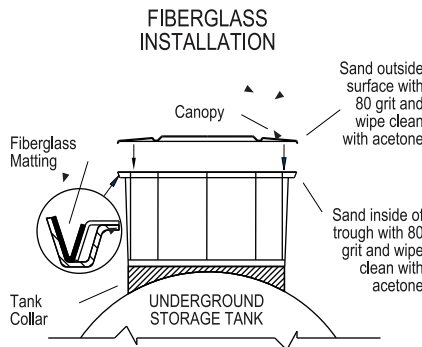


FIGURE 7

7 Prepare Adjustable Riser

To determine the proper height needed for the sump, place the adjustable riser into the trough of the transitional canopy. Use a string or transit to determine finished grade. With the lid installed, the sump should be between 4" - 8" lower than the finished grade. Determine how much to cut off the adjustable riser, and the cut to the correct height (Figure 8).

If installing an upper body for a deep burial sump, follow the same steps for proper installation.

8 Installing Adjustable Riser

A. Sand the bottom interior and exterior of the adjustable riser with 80 grit sandpaper and wipe clean with acetone and allow to dry.

B. Make sure that the non-gelcoated side of the trough on the canopy has been sanded and wiped clean with acetone.

C. If using an epoxy kit, mix the epoxy per the labeled instructions and pour it into the trough. Then, lower the adjustable riser into the epoxy with slight twisting motion.

D. If using a fiberglass kit, apply three layers of fiberglass mat (1 layer at the time) per the labeled instructions. Allow to harden (Figure 9).

E. Sand seam with 80 grit sandpaper and wipe clean with acetone. Seal the seam with a generous coat of gelcoat per the labeled instructions.

If installing an upper body for a deep burial sump, follow the same steps for proper installation.

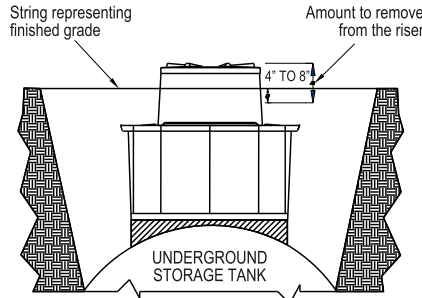


FIGURE 8

9 Installing Manhole Cover Ring and Skirt

Before permanently setting manhole cover, use foam block to ensure that there is a minimum 1" gap between the manhole cover ring and the top of the sump. Failure to provide proper clearance will result in sump failure.

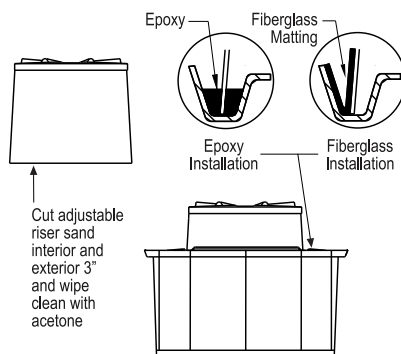


FIGURE 9

10 Complete Installation

A. Check Twist-Lok lid gasket and mating sealing surface to make sure they are clean and free from any type of debris that could interfere in the gasket sealing properly.

B. Inspect the gasket to make sure there are no cuts, tears or deformities that would prevent proper sealing.

C. Apply a liberal amount of PCI Dry Lubricant to the gasket to ease opening and closing.

D. Lower lid onto sump opening and twist clockwise.

E. Fill out PCI Installation Checklist and return to PCI to register for warranty.

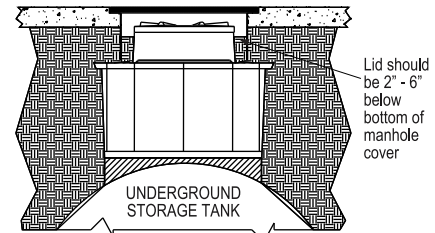


FIGURE 10

WARRANTY

PETROLEUM CONTAINMENT, INC., Warrant that the fiberglass tank sumps, if installed in accordance with PETROLEUM CONTAINMENT INC.'s published instructions will meet PETROLEUM CONTAINMENT INC.'s published specifications and will be free from material defects and workmanship for a period of one (1) year following the date of original delivery by PETROLEUM CONTAINMENT, provided the system is used exclusively for gasoline, ethanol, methanol, jet-fuel, av-gas, kerosene or motor oil at ambient underground temperature not to exceed 150 degrees Fahrenheit. PETROLEUM CONTAINMENT's liability under this warranty shall be limited to at our option: (a) deliver a replacement part to point of the original delivery, (b) repair of the part by PETROLEUM CONTAINMENT; or a third party of our choice; or (c) refund the original purchase price to the original purchaser. PETROLEUM CONTAINMENT shall in no way be liable for any labor, removal or installation cost, indirect or consequential damage in connection with such parts. The foregoing constitutes PETROLEUM CONTAINMENT, INC.'s exclusive obligation. PETROLEUM CONTAINMENT, INC. makes no expressed or implied warranties for merchantability or fitness for any particular purpose whatsoever except as stated above.