

## TSM 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.

## Install Onto a UST Fiberglass Collar

### 1 Remove Sump Bottom

If your sump came from the factory with a solid bottom, first remove the bottom by cutting it out 3/4" above the above the bottom (Figure 1).

### 2 Sand Wide Band

Sand a 4" wide band on both the interior and exterior edge where the base and UST will be joined (Figure 2).

### 3 Sand Wide Band On The Exterior

Sand a 4" wide band on the exterior of the UST collar where the base is to be joined. (Figure 2).

### 4 Wipe All Surfaces

Wipe all surfaces that were sanded thoroughly with Acetone to ensure all debris and contaminants have been removed.

### 5 Install Base

To install base, slowly lower over the collar until it is seated and level on the collar (Figure 3).

### 6 Cover Seam With Masking Tape

To prevent intrusion of resin into the interstitial space, cover the interior and exterior of the seam between the sump and collar with masking tape (Figure 3).

### 7 Apply Overlapping Layers of Fiberglass

If using a PCI Fiberglass Bonding Kit, follow labeled instructions to apply 3 staggered, overlapping layers of fiberglass matting over the masking tape, around the entire perimeter of sump. Once the fiberglass has fully cured, sand and wipe with acetone again, then apply gel coat as an additional anti-wicking barrier (Figure 3).

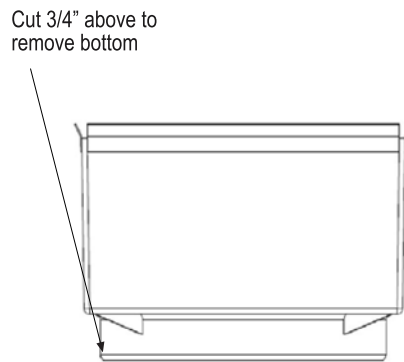


FIGURE 1

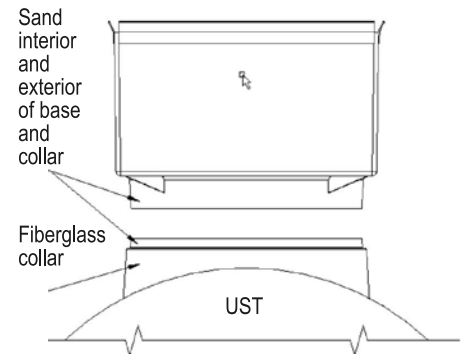


FIGURE 2

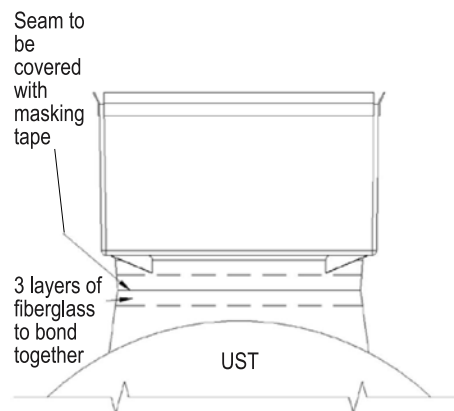


FIGURE 3

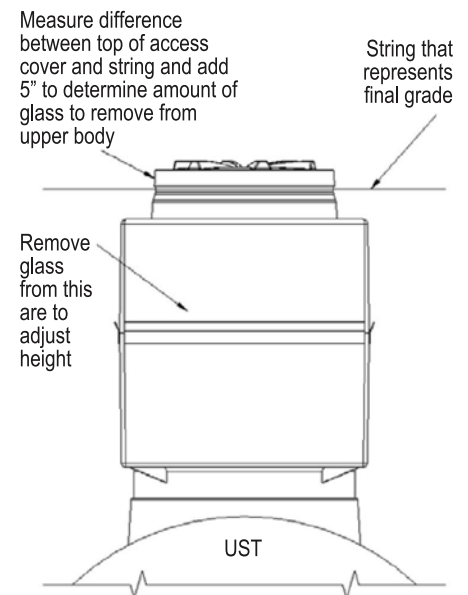


FIGURE 4

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Complete all required piping and electrical as required before proceeding and installing the Upper Body.

### Installation of Upper Body Onto Sump Base

#### 1 Determine Overall Height

To determine the overall height that you will need for your sump, you can dry fit the upper body to the base by simply setting in the base trough. By pulling a string to represent your final grade, you can measure the height of the sump and adjust the height to ensure that the top of the Access Cover comes no closer than 5" and no further than 12" from the top of your final grade. (Figure 4).

#### 2 Adjust The Height Of The Sump

To adjust the height of the sump, mark the distance that needs to be removed from the bottom sections of the upper body and cut using a saw with no more than 1/8" variance (Figure 4)

#### 3 Check Height Is Adjusted Correctly

Test fit to make sure height has been adjusted correctly by dry fitting upper body to the base and verify measurements.

#### 4 Remove Upper Body and Sand

Remove upper body and sand the interior and exterior portions of the upper body where it will be bonded to the base including the entire trough of the base. Wipe all sanded components clean with acetone.

#### 5 Block Off Interstice

Place the green interstitial communication fiber in the trough, completely covering the interstice. Set upper body in the trough, lining up the interstitial spaces as close as possible. Install channel seal in both the interior and exterior of the trough to prevent epoxy from entering into the interstitial space. Use rectangular channel seal in the wide gap, and the round channel seal in the narrow gap. See Figure 5

#### 6 Pour Epoxy Mix Into Trough

If using a PCI Epoxy Bonding Kit, mix per the labeled instructions; pour into trough on both the interior and exterior of the sump. Let joint fully cure before proceeding (Figure 5).

#### 7 Verify Manhole Skirt

Verify that manhole skirt does not contact sump. Use the included minimum 1" thick styrofoam blocks between skirt and sump to prevent damage to components (Figure 5).

#### ! Access Cover Gasket

Clean sealing surface of sump access opening and lubricate the gasket of the Twist-Lok Access cover and mating surface to ensure a positive liquid tight seal. Recommend monthly or each time the Twist-Lok Access cover is separated from its mating surface.

#### ⚙ Maintenance

All dispenser sumps should be checked regularly for the presence of water or fuel products. Any liquid present in the sump should be promptly removed and disposed of properly.

If liquid is found in the sump, prompt action should be taken to repair the leak and re-test the equipment for integrity.

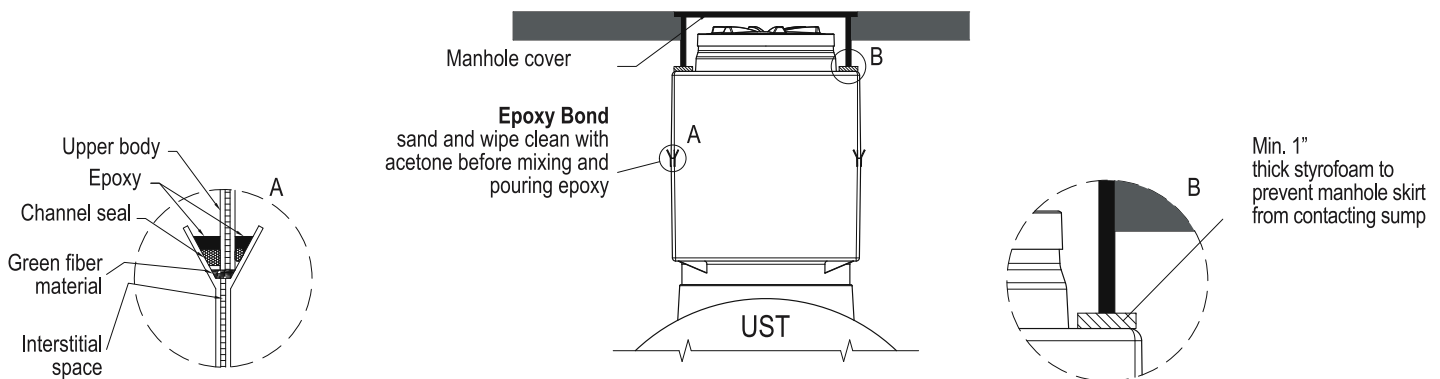


FIGURE 5

ININS-TSMDWR12-18



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