

Tommy's Trench Flush 101

What is it?

- It runs off the reclaim system and is designed to run 24/7.
- 2" PVC pipe ran from one end of the pit to the other.
- 2 manifolds, one at the beginning and end of the pit.
- Each manifold has three hose barbs installed; these act as injector nozzles.
- 3/8" holes are drilled into the PVC at each high spot in the pit to increase flow.



Where is it?

- It is installed on the side of the pit.
- It uses the same Unistrut as the belt flush manifold.



Why is it there?

- The idea is that this will help keep the pit clean and smelling better.
- The biggest benefit will come from running it through the night as this will eliminate the smell that comes from stagnant water, soap, dirt, and debris.

How do you install it?

- Find the main water hose coming from the reclaim system (near the end of the pit).
- Install a slip x 2" hose barb onto the hose (using a hose clamp).
- Using primer and glue, install the slip end of the hose barb to a PVC T coupler.
- From the T, prime, glue, and connect your 2" PVC pipe in both directions.
- Connect each section of PVC together using a 2" female slip x slip coupler
- Make sure to use PVC primer and then cement on the outside of the pipe and inside of the coupler. When installing, rotate the PVC 360 degrees to ensure proper coverage and then hold it in place for 30 seconds to let it cure.
- Secure the section of pipe to the existing belt flush Unistrut using a Unistrut clamp.
- Repeat this process for the entire length of the pit.
- Once you reach the end and beginning of the pit, stop 5-7ft away from the manifold to allow room for the rubber hose that will need to be installed next.

To connect the PVC pipe to the manifold:

- Install a 2" slip x NPT coupler to the end of the PVC pipe (using primer and cement).
- Install stainless steel, 2" MNPT x 2" hose barb onto the coupler. (use thread tape and tighten with slip joint pliers) - make sure to not over tighten and strip the coupler.
- Put a hose clamp on the 2" rubber hose and install it onto the barb.
- Route the hose underneath the deck and measure the length of hose you will need to get it to the manifold.
- Cut the hose to length.
- Using a hose clamp, install the hose onto the barb of the manifold.



To secure the manifold to the deck:

- If there is already a Unistrut welded in place, use a Unistrut clamp to fasten the manifold.
- If there is no Unistrut present, use cable ties to secure it in place.

