

Does a Horizontal Leg Tank really need Hoops or Bands?

A horizontal leg tank is used primarily for transporting liquids from one location to another. These liquid types include fertilizer, salt brine, water and livestock feed. Some of these liquids can be considerably heavy, due to the material that they contain. That's why a proper mounting system is critical for your safety. You may think that every horizontal leg tank is the same. This is not the case.



2 Types of Horizontal Leg Tanks you may have heard about:

Horizontal leg tanks mounted with hoops and bands - These types of tanks originated first and have been the only option on the market for years. However, these tanks have some concerns that you may not know about.

"Metal straps or tubular hoops that run across the top and down the sides of the tank to anchor it and support the sidewalls require tightening, but always be careful not to over-tighten them. Over-tightening prevents poly tank walls from expanding adequately when filled. That is, when the tank fills, the sides push outward; and if the straps or hoops are attached too tightly, the tank becomes deformed and weakened at the point of contact."

-An in-depth study that was conducted by Purdue University.

Horizontal leg tanks mounted with pins - These type of tanks are becoming a lot more popular as people discover their benefits. The main difference between these leg tanks and the other horizontal tanks is the way they are mounted to the truck bed. Instead of using the risk of hoops and bands, they are mounted with pins through each leg. This is a lot safer as it allow the tank to be mounted with double the amount of mounting points.



Although this is may seem like a newer idea, these tanks have been used around the world for over 10 years. In all types of industries, they have been proving themselves to be a lot more maintenance free. There is no wear points on these horizontal leg tanks and no need to tighten bands and hoops after filling. This is a very clever feature that has become obvious, causing everyone to reconsider the costs of choosing leg tanks with bands and hoops.



So do Horizontal Leg Tanks really need Hoops or Bands?

The answer is no! after talking to customers that own horizontal leg tanks with hoops and bands, it seems that one thing that really annoys them is, having to tighten their hoops and bands after filling. When the tank is emptied, the tank shrinks back to its original shape causing the bands to come loose again. To prove this, these tanks include the sticker below. This is not necessary with a horizontal leg tank mounted with pins.



When a horizontal leg tank is being used, one of the biggest stress points is where the tank is connected to the truck bed. The pin mount system is a new way of mounting your tank safely.

Quick Guide: How to Mount a Horizontal Leg Tank

Mounting a horizontal leg tank can be complicated if you don't have the right tools. This guide will show you the best method to save you as much time as possible. If you don't mount your tank correctly on your trailer bed, safety can be an issue. Because these tanks are transporting heavy liquid, the mounting pins on the tanks take all the stress. That's why we need to make sure you do it properly.



How to mount your Horizontal Leg Tank on your Truck or Trailer bed

Here is a quick guide to help you mount your leg tank on your mounting surface. We have also completed a **video** to help you visualize each point. This **video** will explain what tools you need to save you as much time as possible.

- 1. Put the tank on your mounting surface** - Safely lower your leg tank onto your trailer or truck bed. This will allow you to mark exactly where you want to put your leg tank.
- 2. Mark the tank mounting holes** - When the tank is in the right position, put the pins through each leg and insert the bolts through the pins. You can then use a hammer to strike each bolt. This will put a small dint on the trailer bed showing you where to drill each hole. Make sure each bolt is going through a steel cross beam and not just wood.
- 3. Remove the tank from the mounting surface** - Remove the tank so you can start drilling each hole.
- 4. Drill the mounting holes** - Begin drilling all the holes that you previously marked by striking each bolt. Each leg on the tank should have 2 holes next to it.
- 5. Remove any shavings** - To eliminate any punctures in the tank, remove all the shavings from your truck or trailer bed. This can be done with a broom or air if you have it nearby.
- 6. Place the tank back on your mounting surface** - When your mounting surface is clean, lower the tank back onto your truck or trailer bed and begin the mounting process.
- 7. Insert the tank pins and bolts** - Insert a pin into each tank leg and but the bolts through each hole in the bin. Use washers on each end of the bolt. Wind on the nuts and begin tightening.
- 8. Tighten all nuts** - Tighten all the nuts until the pins are pulling extremely tight on each tank leg.

For more complete information on One Clarion products and solutions, visit us on the web at: www.clarionmunicipal.com or call us at : (+1) 863-261-8388 | info@oneclarion.com

© 2023 One Clarion. All rights reserved. One Clarion terms and conditions apply.

