



How To Dispense Oil From a Tote Using A Gravity Drain Kit System

Featuring: Operations Manager, Kevin Smith

Hi thank you for choosing Centra Foods. Today I would like to show you how to use our gravity drain kit with an IBC Caged Totes. First to start with this is a gravity drain system there is not a pump. Today we have it set on 5 pallets. If you are using this system at your facility please make sure you have a forklift or some way to elevate it so you get all of the oil out of your tote.

First thing before we start anything else we will need to open the fill cap on the top so that air can come back in and oil will flow freely. The top of your cage to will have a 6 inch fill cap that you will want to remove before you attach the gravity drain hose. Otherwise if we don't loosen this the tote will start to collapse on itself and the flow from the bottom hose will be very slow. You can do this one of two ways there is speciality tools that you can buy that are made just for this. But more common then that and something a lot easier to find is a large set of adjustable wrench. So you can use this to open up. If you stop and don't take it all the way off sometimes it will suck back down and reseal on its own. What we suggest is have a couple of trays just remove the cap entirely set it in a tray set that aside then just set a tray on top of that so nothing falls inside your tote.

Once you have vented the top we will take our gravity drain hose. That is a 2 inch cam lock that is made to attach to the drain valve on the tote. A length of hose and a ball valve on the other end with a dust cap and attach it to the tote. We will remove the dust cover dust cap. This is not intended to be anything other than a dust cap. The threads on this drain valve are deliberately different then normal pipe threads if you try to attach it most likely your hose will come off when you are not wanting it to.

Normally there would be a foil tamper seal on here. You can see the reminisce of it we have already removed it because our tote we have already used oil out of it. I'll go ahead to attach your gravity drain assembly. I'll remove the blue safety clip it clips these arms and holds them together so that the hose does not inadvertently come off as you are using it. We will attach to the bottom drain valve on your tote. It slides one and then you close the arms.

When you put your drain assembly on it should be fairly snug. That means the gasket is seating fully and you will have fewer leaks. One thing to note when we clean these we actually leave the valve open on our end so that it will dry easier. These ball valves are made so that when the handle is across the valve its closed thats open. Please make sure that its closed before you continue. Once this has been closed the handle here opens this valve. You will notice here there should be some kinda of tamper seal or security seal sometimes its a small red plastic rivet and sometimes its a green tag. This red plastic rivet as we open the valve will just break off on its own.

You will notice the oil is already flowing into our assembly and you can see it. Whatever container you use for your process whether its small containers, batch container of some kind



have that ready. I'll remove the dust cap and I have just noticed something else we will go ahead before moving further and we will put our safety lock on there. This merely just clips you can clip it from either the top or the bottom over the arms. This just makes sure it doesn't come off in an accident. Put the other end down and open it up. You can fill your container when you have enough in close the valve shake off any residue. The dust cap here is were it really comes in. Cause once you have oil on here this will attract dust and just get dirty fairly quickly if you don't have something to keep it clean. And because this is a cam lock as well it works the same way the arms just fold up flat against the side. There you go and then you can continue going back and forth using it until your tote is empty.

Thank you!

By Kevin Smith