



The Dry Hopper

Parts List

The Dry Hopper comes with the following parts:

- 1 x Lid
- 1 x 3" TC sight glass
- 1 x 3" TC butterfly valve
- 2 x 3" TC clamps
- 2 x 3" TC silicone gaskets
- Optional 4" x 3" TC Cap Reducer w/ extra 3" TC Clamp and Gasket for use on a 4" port

How and Why

This dry hopper allows you to dry hop or add any additions to your beer without introducing oxygen and oxidizing the beer.

It also allows you to make additions to beer fermenting under pressure without having to release the pressure. This helps stabilize your fermentation schedule resulting in better repeatability with batches, healthier fermentation and less oxidation.

This dry hopper works by containing the addition inside of a sight glass and purging out the oxygen before dosing. By equalizing the pressure inside the sight glass and fermenter, you can add anything to your beer without degassing or depressurizing.

How to use with non-pressurized fermentation

Set up; Before beginning fermentation, make sure you attach the 3" TC butterfly valve to the top of your fermenter in the closed position and ferment as normal. This will allow you to attach the sight glass without opening the tank.

Step 1 Assembly: When you are ready to make your addition, attach the 3" TC sight glass to the top of the butterfly valve.

Step 2 Filling: Fill the sight glass with your addition and attach the lid to the top of the sight glass with a triclamp.

Step 3 Purging out oxygen: Set your gas regulator below 15 psi. We recommend 5-7 psi. Attach your gas ball lock disconnect to the lid and pressurize the sight glass. Pull the PRV to purge out any oxygen. You may want to do this a few times until you feel all the oxygen has been removed. Disconnect your CO2 and do one last final purge. This will equalize the sight glass and fermenter.

Warning: Make sure the CO2 is off or disconnected and release the pressure before opening the valve. Although the volume in the sight glass is low if your fermenter isn't rated for pressure opening a pressurized sight glass could damage your tank.

Step 4 dosing: Open the butterfly valve and allow the addition to fall into your tank.

Step 5 Disassembly: Close the butterfly valve and remove the sight glass and continue the rest of your fermentation schedule until your next addition.

How to use for Pressurized Fermentation

Set up; Before beginning fermentation, make sure you attach the 3" TC butterfly valve to the top of your fermenter in the closed position and ferment as normal. This will allow you to attach the sight glass without opening the tank.

Note: If the manufacturer of your unitank included a prv and it is attached to the 3" port, attach the PRV to the 3" butterfly valve and ferment with the valve open.

Step 1 Assembly: When you are ready to make your addition, attach the 3" TC sight glass to the top of the butterfly valve.

If you have a manufacturer PRV on top of your valve, close the valve, remove the PRV and then add the sight glass. This ensures your beer was never exposed to oxygen.

Step 2 Filling: Fill the sight glass with your addition and attach the lid to the top of the sight glass with a triclamp.

Step 3 Purging out Oxygen: Set your gas regulator to match the pressure inside of your tank. Attach your gas ball lock disconnect to the lid and pressurize the sight glass. Pull the PRV to purge out any oxygen. You may want to do this a few times until you feel all the oxygen has been removed.

Step 4 Equalizing pressure: Allow the sight glass to fill to the regulators set PSI and then Disconnect your Co2 tank but do not pull the sight glass PRV. Your sight glass and Unitank are at equal pressure and this allows you to open the butterfly valve without oxidizing, foaming out your beer or causing a mess.

Step 5 dosing: Open the butterfly valve and allow the addition to fall into your tank.

Step 6 Disassembly: Close the butterfly valve. Pull the PRV to remove any pressure. Then and only then remove the TC clamp holding the sight glass to disassemble and continue the rest of your fermentation schedule until your next addition.

Warning: removing the TC clamp holding onto the sight glass without pulling the PRV can cause the sight glass to jump up as the pressure is vented out the bottom and cause damage to the tank or injury.