

# Fermentasaurus Dump Valve Leak Fix Instructions

## Introduction

Customers who have had a fermentasaurus for some time occasionally report some leakage from the butterfly valve assembly. We have also had a few newly received units exhibit leaks. With the older units there can be some wear of the Butterfly disc seal that holds the valve disc, this may need replacing.

With some of the newer fermenters sometimes the hex screws just need tightening to stop any leaks. However, if this does not fix the issue our engineers found a simple way to cure the problem was to insert an O-ring in the valve and so far virtually every leak was fixed. Below is a simple written procedure with illustrations that takes about 10 minutes. The O-rings are a standard type that can be bought anywhere but Keg-King is happy to provide them free to our customers who might be having a problem.

### You will need:

- 10mm or 3/8" open ended spanner
- 5mm or 3/16" hex key
- 4mm or 5/32" hex key
- Small screw driver or knife
- 43x1.5mm o-ring

## Instructions

1. To start with, remove the butterfly valve from the fermentasaurus. (detailed instructions below)



2. Use the knife or a small screwdriver to remove the cover of the handle to expose the screw beneath.



3. Using the 4mm or 5/32" allen key, back off the screw till the head is sticking out past the face of the handle



4. Using the 10mm (3/8") spanner, and the 5mm (7/16") hex key, remove the six screws around the perimeter of the valve.



5. Separate the valve body into two parts. Try to keep the disc and rubber seal in place if you can. If this falls out, you may need to completely remove the handle to relieve the spring tension and aid reassembly.

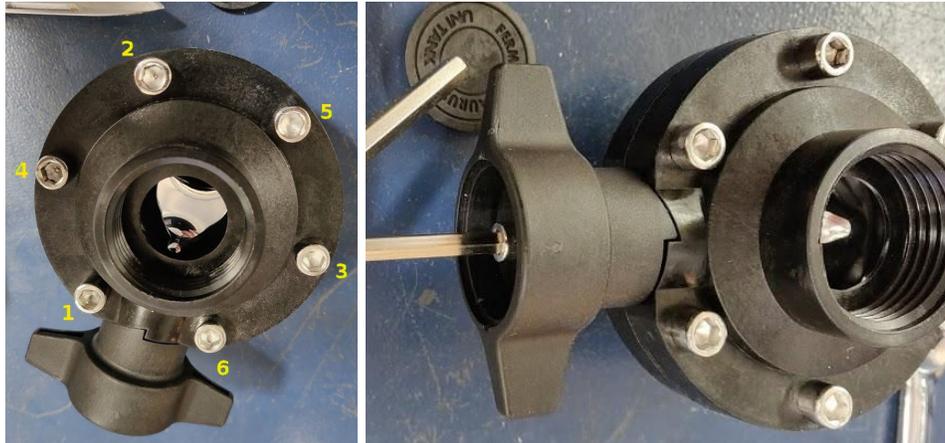


6. Place the o-ring into the half of the valve that does not contain the rest of the valve assembly. The o-ring should fit snugly into the recess.



7. Replace the part with the new o-ring over the other half, be careful to ensure the seal goes back into its recess properly. You may need to pull the handle back a little bit.

8. Put the bolts back onto the valve body. Tighten in the order shown



9. Re-tighten the handle screw. Do not screw this in all the way or the handle will not be able to move back enough for the disc to turn properly. The screw needs to be screwed in just enough to allow the cap to seat properly.



10. Place the cap back on the valve handle.

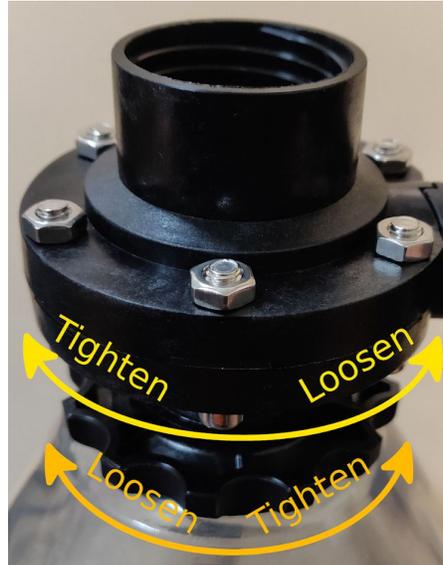
11. Pour yourself a beer. And relax. She'll leak no more.

Please note: once this modification has been made, the valve will be more difficult to turn while dry. Wet it with some water and it will become a lot easier to turn. As this valve is designed to be operated only when wet, this should not prove a problem.

## Dump valve removal

The Fermentasaurus spigot is fitted with a reverse thread for the nut. The part is designed this way to allow you to screw on the dump valve without having the spigot nut backing off. This means that clockwise will tighten the valve body, but loosen the spigot nut.

**NB:** all instructions are described with the bottom of the butterfly valve facing you.



1. Remove the collection Bottle.
2. Holding on to the spigot nut and Fermentasaurus body in one hand, turn the valve body counter clockwise. Make sure that the spigot nut does not come loose during this step. This will remove the dump valve body.
3. If you accidentally unscrew the spigot nut you will need to tighten it back up again before you can remove the dump valve. you can tighten the nut back up by holding on to the spigot nut, and turning the butterfly valve clockwise. Make sure you do the nut up tight enough (counter clockwise to tighten) to stop it from unscrewing again.