



Fermzilla

Leak Fix

Instruction Manual

(for Unitank and All Rounder models)

Flat lid leak

Step 1. Identify exactly where the leak is occurring by performing a leak test on an empty Fermzilla. Close the butterfly valve (if using a conical Fermzilla) and place the lubricated lid and lid collar on the Fermzilla. Hand tighten the lid collar and then pressurise the Fermzilla to approximately 10 psi using either CO₂ or compressed air.

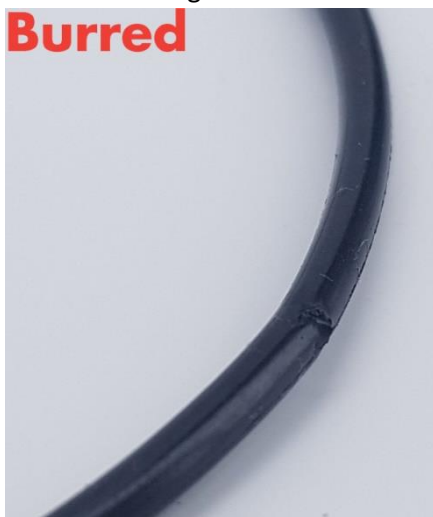
A leak test can then be performed one of two way:

1. Spray or sponge detergent or stellarsan solution onto the lid of the Fermzilla making sure to cover the entirety of the lid including underneath the lid collar, the entirety of the lid and around the PET caps/carbonation caps. Look for the formation of bubbles indicating a leak.
2. Invert the Fermzilla and submerge the lid in a bucket of water, sink, bath or pool. Look for any bubbles forming in the water indicating a leak.



If you identify a leak in the lid then follow the steps described below:

Step 2. Remove the lid from the Fermzilla and inspect the o-ring for any signs of damage including cuts, burs or scratches. If the o-ring is damaged replace it with a new undamaged o-ring Part KL14267. Also inspect the lid for any damage while the o-ring is removed. If the lid is damaged replace with an undamaged lid Part KL11402.





Step 3. Reseat the o-ring into the lid and generously lubricate the o-ring using a food-grade lubricant such as Part KL07221.

Step 4. Hand-tighten the lid collar onto the Fermzilla. Make sure to not overtighten this lid collar as this can result in distortion of the o-ring

Step 5. Perform another leak test.

Step 6. If the lid is still leaking make sure that the stainless-steel handles are not too tight. Loosen these handles (or remove) and then perform another leak test. The handles should only be hand-tight as too tight can result in distortion of the neck of the Fermzilla.

If you are still experiencing issues please send through a video to the email beer@kegland.com.au showing where the leak is occurring (leak test) and photos of the condition of the lid and o-ring.

NOTE: It is advised to performs leak tests on the collection vessel (if using a conical Fermzilla) and carbonation caps if they are attached. If using a conical Fermzilla and the collection vessel is not attached it is also suggested to perform a leak test on the butterfly valve.

Stainless-steel carbonation cap leak

It is important to not overtighten the stainless-steel carbonation caps onto the lid of the Fermzilla. Overtightening can cause stripping of the PET threads on the lid. They should be hand-tightened only.

Perform a leak test as described above.



Leaking from the base:

If the carbonation cap is leaking from the base of the carbonation cap then perform the following steps:

Step 1. If a leak is identified then unscrew the carbonation cap and inspect the o-ring inside the carbonation cap. If there are any signs of damage including cuts, burs or scratches then replace the o-ring.



Remove and inspect o-ring



This o-ring can be replaced with a thicker o-ring which is possibly more easily able to form a seal. This o-ring is designed for camlock fittings however also fits the carbonation caps Part KL07177.



Replace with thicker o-ring



Step 2. Lubricate the thread on the lid of the Fermzilla and then reseal the carbonation cap onto the lid and hand tighten. Then perform another leak test.

Leaking from the top:

Step 1. Dissassemble the carbonation cap and inspect all o-rings for signs of damage.

Step 2. Replace any damaged o-rings and clean any build-up of protein or hop matter from inside the the carbonation cap.

Step 3. Reassemble the carbonation cap and hand tighten onto the lid of the Fermzilla. Then perform another leak test.

Gas bubbles in beer line from carbonation cap:

If gas bubbles are forming in your beer line then this may be an indication that the inner o-ring shown below is damaged. This should be replaced with a new o-ring.

Damaged o-ring



If you are still experiencing issues with the carbonation caps then please send through a video to the email beer@kegland.com.au showing where the leak is occurring (leak test) and photos of the condition of the carbonation cap and the o-rings.



Collection vessel leak

It is important to lubricate the o-ring of the collection vessel well and not overtighten the vessel onto the butterfly valve. Not lubricating the collection vessel can result in leaks and this coupled with overtightening can result in the collection vessel being difficult to remove.

Step 1. Remove the collection vessel and inspect the o-ring for any signs of damage. Replace the o-ring if it is damaged.

Step 2. Lubricate the o-ring and reseal it.

Step 3. Hand tighten the collection vessel onto the butterfly valve. There should be no thread showing. If it still leaks after hand tightening then torque it another ¼ of a turn with the oil removal tool.

Step 4. Perform a leak test.

Collection vessel overtightened and difficult to remove

If you have overtightened the collection vessel and the spigot collar is spinning preventing you from removing the collection vessel then perform the following steps.

Step 1. Apply 5 psi to push the thread of the spigot further down.

Step 2. Tighten the spigot collar.

Step 3. Release the pressure by pulling the pressure relief valve.

Step 4. Rotate the collection vessel clockwise with the oil removal tool.

HINT: You can use a second oil removal to hold the spigot collar allowing you to apply more torque.

If you are still experiencing issues with the collection vessel then please email beer@kegland.com.au