

GRAINFATHER

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**DISTILLING LID T500 REFLUX
CONDENSER ATTACHMENT KIT**

INSTRUCTIONS

THANKS FOR CHOOSING THE GRAINFATHER DISTILLING LID T500 REFLUX ATTACHMENT KIT

Let's turn your **G40** or **G70** into a reflux still! Get started by following these instructions to assemble and use your distilling lid with the Still Spirits T500 Reflux Condenser. For more information on how to distill on your **G40** or **G70**, please visit: grainfather.com/distilling-t500/

ANATOMY DIAGRAM AND PARTS LIST

1. 2" to 1 1/2" (48mm)
DN40 thread
adapter

2. 2" Tri-clamp
seal with mesh

3. 2" Tri-clamp

4. 4" to 2" Tri-clamp
reducer

5. 4" Tri-clamp
seal

6. 4" Tri-clamp



NOTE: Grainfather Distilling Lid and Still Spirits T500 Reflux Condenser sold separately.



ASSEMBLING AND PREPARING YOUR UNIT FOR **DISTILLATION**

NOTE: If you are using a G40 or a G70², please skip the “Sight Glass Removal” step and move straight to the next step, “Recirculation Elbow Seal”.

*If you do not know if your G70 is a G70², please check if your system has a separate sight glass opposite the recirculation arm, instead of built in to the recirculation arm. If so, you are using a G70, not a G70². Please start with “Sight Glass Removal” step.

SIGHT GLASS REMOVAL ON THE G70

The G70 includes a separate sight glass that we recommend you remove as any pressure build up may result in leaking out of the top vent hole. Use the following steps to remove:

1. Using an adjustable spanner (wrench), remove the hex bolt at the bottom of the sight glass inside the boiler unit and carefully remove the sight glass.
2. Keep the hex bolt but remove the O-ring that was on the hex bolt.
3. From the G70 spares pack, locate the blank hex cap.
4. Keep the hex bolt in place and place one of the flat seals supplied with the distilling lid over the threaded section protruding from the boiler. The seal should be between the outside of the boiler wall and the blank hex cap. Now, tighten the blank hex cap so that the hole left by the sight glass is now sealed. Be careful not to overtighten.
5. Fill the unit with 15L (4 US Gal) of water to perform a leak test on the blank hex cap.

RECIRCULATION ELBOW SEAL

To ensure there is no vapour loss during distillation, we suggest installing a seal on the recirculation pipework. Use the following steps to do this:

1. Using an adjustable spanner (wrench), remove the recirculation pipework’s hex bolt on the inside of the boiler so the recirculation pipework is free to move.
2. Keeping the hex bolt and retention clip in place, take one of the flat seals supplied with the distilling lid and place this on the threaded section protruding from the boiler. The seal should be between the outside of the boiler wall and the external recirculation pipe connection.
3. Re-tighten the hex bolt, ensuring it is tight enough to seal properly, but not over-tightened.

INSTALLING THE DISTILLING LID AND ATTACHMENTS TO YOUR G40 OR G70 UNIT

1. Place the distilling lid (with clamp removed) onto your unit so it sits firmly in place.
2. Fit the clamp around the lid and the rim of the unit and fasten the clamp by connecting the two ends and closing the lever. Clamp tightness can be adjusted if needed by adjusting the lever screw when the lever is open.
3. With your T500 Reflux Condenser turned upside down, thread in the 2” to 1½” (48mm) DN40 thread adapter (1) to the bottom of the T500 and then place the 2” tri-clamp seal with mesh (2) onto the flange on the 2” to 1½” (48mm) DN40 thread adapter.
4. Place the 4” to 2” tri-clamp reducer (4) on top of the 2” to 1½” (48mm) DN40 threaded adapter ensuring the seal remains in place and secure properly. Connect using the 2” tri-clamp (3).
5. Place the 4” tri-clamp seal (5) onto the flange of the distilling lid and place the T500 on top of the unit ensuring the seal remains in place.
6. Secure the T500 Reflux Condenser by using the 4” tri-clamp to join the 4” to 2” tri-clamp reducer (4) to the distilling lid.



POWER CONTROL ON THE G40 OR G70

Power control mode allows for manual control of the power from the element in 5% increments. This can be used to control the power when distilling. Lowering and adjusting your power during distillation may help balance your distillation system so that the correct amount of vapour comes through the column and the condenser during distillation.

1. From the main menu on the controller, press 'power control'.
2. Use the up and down button to control the power.

NOTE: This can also be controlled through the Grainfather App. Choose between manual or power mode on the main app screen and use the up and down buttons on the app.

DISTILLING WITH THE STILL SPIRITS T500 REFLUX CONDENSER

The T500 Reflux Condenser is used for the distillation of vodka, or of neutral spirits for use with the Still Spirits range of spirit flavourings or as a neutral base for gin production. Ensure you follow the instructions below to prepare your G40 or G70 before you start your distillation or visit: grainfather.com/distilling-t500/

1. Fill your brewing system with your choice of wash. If you are using the G40, ensure that you fill the unit up to no more than 35L (9 US Gal). If you are using the G70, ensure you fill the unit up no more than 65L (17 US Gal).
2. Ensure the hop filter is in place to aid in breaking up larger bubbles throughout the boil.
3. Use Still Spirits Distilling Conditioner if you wish as per the instructions on the bottle. This releases carbon dioxide & stops foaming of unfermented sugars during the boil.

Refer to your Still Spirits T500 Reflux Condenser instructions on how to continue your distillation with the condenser.

CAUTION:

After distillation, ensure you allow the unit to cool as the attachments, lid, and clamp will be extremely hot.



**MORE
INFORMATION ON
HOW TO DISTILL ON
YOUR G40 OR G70**

