



Condenser Mesh Replacement Kit

Complete Instructions

For both the 40cm & 50cm Columns



An instructional video and additional helpful resources are available at:

www.puredistilling.com.au



9780724138230

This Condenser Mesh Replacement Kit Contains the following items:

- 5 Stainless Steel Mesh Pieces all 30g +/- 1g
- Instruction Manual



To replace the mesh in your Pure Distilling condenser you will need the additional following equipment:

- A wire coat hanger or stiff wire with a hook to remove the existing mesh
- A hammer or a broomstick or anything blunt and clean that can be used to push the mesh into position.
- A tape measure & a pair of scissors
- Gloves to protect your hands, the mesh can cut easily

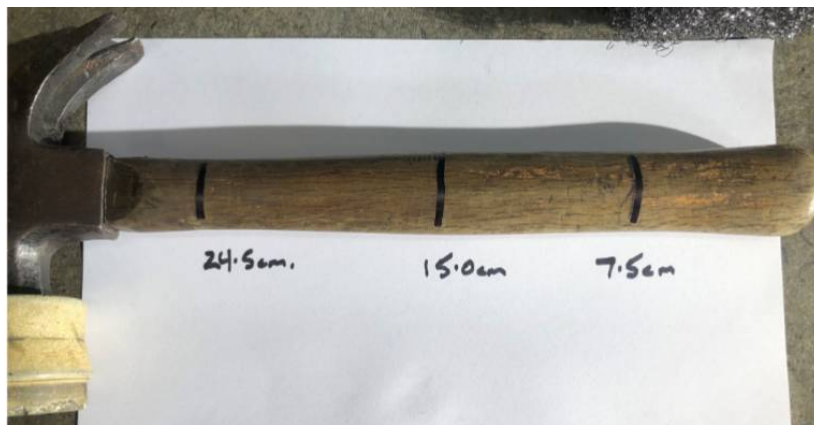
Pure Distilling Mesh Pieces

The mesh pieces supplied in this pack have the specifications of all being 30g +/- 1g, to ensure that the correct packing density is achieved in the column. They have been stretched and manipulated to break short strands to ensure even distribution and compaction in the condenser.

They will stick to a magnet, most Ferritic Stainless Steel will, as will other types of Stainless Steel that has been mechanically worked or bent.

Mesh Installation Instructions

1. **Remove the old mesh** - Form the coat hanger into a straight piece of wire with a hook at one end and remove the mesh pieces in the condenser, they will be discoloured and smelly. This is a good opportunity to give the condenser a good clean with a citric acid bath, your Spirit Maker Instructions has a section on how to do this, if you have an older manual the current instruction manual can be downloaded from www.puredistilling.com.au.
2. **Measure and mark the ramming rod** - While the condenser is having a citric bath we need to measure and mark the following measurements on our hammer handle, as per the photo below. These will be the guides to how tight each of the mesh pieces need to be inserted.



3. **Separate the mesh pieces** – The mesh can have loose strands which will snag on the other pieces, just cut the loose strands with scissors.

For the 50cm Column

4. **Slide 1st piece of mesh into position** – Twist a piece of mesh gently into the column whilst keeping the general shape of the mesh, push it in as far as you can with your fingers. Use the hammer or ramming tool to push the mesh into position, a standard



hammer length will slide in to the hammer head. There is no force applied in this step as we do not want to damage the thermowell.

5. **Slide 2nd piece of mesh into position** – as per the first piece and use the hammer handle to tamper the mesh to the 24.5cm measurement. This will require some force to compact the mesh at the top of the column as per the photo below.



6. **Slide 3rd piece of mesh into position** – as per the previous pieces and use the hammer handle to tamper the mesh to the 15.0cm measurement. This will be considerably easier than the 2nd piece, if it isn't, remove all the mesh, gently fluff the mesh to its original form and start again.



7. **Slide 4th piece of mesh into position** – as per the previous pieces and use the hammer handle to gently tamper the mesh to the 7.5cm measurement. This will be considerably easier than the previous pieces.



8. **Place the 5th piece of mesh into position** – and using only your fingers push it into the column so that the brass end piece is nearly all visible on the inside of the column. Cut off any loose strands.



For the 40cm Column

For the 40cm Spirit Maker condensers, only 4 pieces of mesh are used to pack the column, and with only slight variations from the previous instructions

1. **Slide 1st piece of mesh into position** – Twist a piece of mesh gently into the column whilst keeping the general shape of the mesh, push it in as far as you can with your fingers. Use the hammer or ramming tool to push the mesh into position. There is no force applied in this step as we do not want to damage the thermowell.
2. **Slide 2nd piece of mesh into position** – as per the previous piece and use the hammer handle to tamper the mesh to the 15.0cm measurement. This will require some force to compact the mesh at the top of the column as per the photo below



3. **Slide 3rd piece of mesh into position** – as per the previous pieces and use the hammer handle to gently tamper the mesh to the 7.5cm measurement. This will be considerably easier than the previous pieces.



4. **Place the 4th piece of mesh into position** – and using only your fingers push it into the column so that the brass end piece is nearly all visible on the inside of the column. If you can't fit the 4th piece in comfortably, then cut it to size with scissors and fit as per photo below and cut off any loose strands.



Testing the Repacked Column

If the mesh replacement has not been done correctly the following issues will be observed when distilling the next wash:

- If the mesh has been packed too tight, it can hinder the ethanol returning down the condenser back to the boiler (the reflux action) and it may leak out of the top of the condenser near the water fittings. There may be a gurgling noise and vibration from the condenser. Follow these instructions and pack slightly looser.
- If the mesh has been packed too loose, it may produce a lower ABV and affect your final quality, follow these instructions and pack slightly tighter.

Problems and Issues

Sometimes things go wrong, problems with Pure Distilling condensers are very rare due to the simplicity of their design and no moving parts We will do our utmost to rectify any issues you are having and ensure that your distilling is a fun and productive process, contact us on:

Email: drink@puredistilling.com

Facebook: www.facebook.com/PureDistilling