

STILL SPIRITS

VORTEX

AIR COOLED CONDENSER

MODULE INSTRUCTIONS



PLEASE READ ALL OF THESE SAFETY INSTRUCTIONS CAREFULLY BEFORE USING YOUR VORTEX AIR COOLED CONDENSER

General Safety

- This appliance should not be used by children. Keep the appliance and its cord out of reach of children.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- This appliance is intended to be used in household and similar applications such as:
 - Kitchen areas in shops, offices and other working environments;
 - By clients in hotels, motels, bed and breakfasts, campers and other residential type environments.
- **WARNING:** Misuse of this distillation unit could cause potential injury to the user.

Operational Safety

- This product should always be run in a well-ventilated area.
- When assembled as part of a still or similar application, the system must be set-up and run on a flat surface.
- Always keep the power connectors dry and avoid spillage on the power connectors when using this unit.
- Always turn the unit off on the dial, and then at the mains power point.
- Before each distillation, check that the power cords are in good condition and securely connected to the unit to avoid a bad connection or damage to the unit.
- If the supply cord is damaged, it must be replaced by the manufacturer, service agent, or a similarly qualified person.
- Never immerse the unit in liquid or allow excessive liquid to enter inside unit.
- As much as possible, keep hands and face clear from the immediate vicinity of the unit when operating.
- Do not operate the unit unattended.
- The unit has been designed to operate best at ambient temperatures of up to 25°C (77°F). It can be operated in ambient temperatures up to 45°C (113°F), however ambient temperatures above 25°C (77°F) will result in reduced condensing power. Using the unit at ambient temperatures higher than 45°C (113°F) could result in unsafe operation.
- Do not use other power adapters with this product.
- Ensure correct installation into your setup by securely fastening with 2" tri-clamps.



WARNING:
If distilling alcohol, this system can produce a highly flammable liquid.

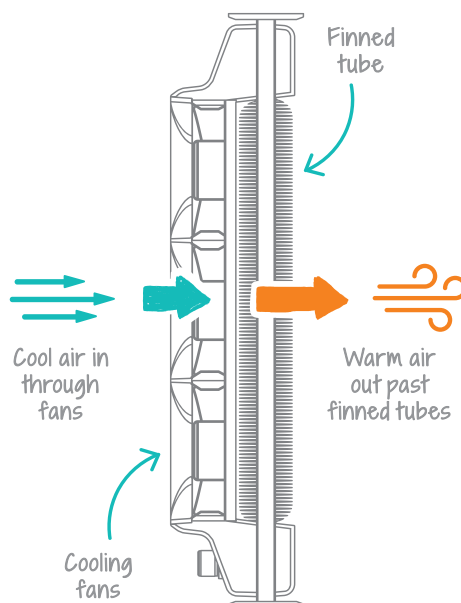
INTRODUCTION

The **VORTEX** Air Cooled Condenser utilises forced air to dissipate heat from vapour and liquid.

This product can be used in place of a water-cooled condenser as well as part of a still configuration for stills with 2" tri-clamp compatibility.

HOW IT WORKS

As vapour or liquid move through the two internal tubes of the condenser, the aluminium fins absorb the heat, which is then dispersed by the three integrated air fans. The speed of the fans can be increased or decreased with the control dial to control the heat dissipation rate, like adjusting the water flow of traditional water-cooled condensers.



AIR COOLED CONDENSER MODULE



SET UP

When assembling your still, consider the weight of the VORTEX Air Cooled Condenser unit and take caution when handling and offsetting. Additionally, be sure to consider air flow direction and, where possible, direct warm, exhausted air towards an open window or door to reduce re-circulation of warm air in your distilling space.

Before you begin:

Calculate the total weight and height of your setup. Check the height and weight guidelines provided with your boiler and lid. If you have a Still Spirits 25L boiler and lid, please refer to the following:

The Still Spirits 25L boiler and lid is designed primarily for small to medium-sized distilling setups that do not have heavy, off-centre attachments. The lid is reasonably flexible and is sturdy enough to fit components that are within the following specifications:

- A total column and condenser height up to 1.1 m (3.6 ft) from the lid.
- A total column and condenser weight up to 11 kg (24 lbs), including up to 2 kg (4.4 lbs) of off-centre weight from a swan neck, lyne arm, or condenser running in parallel with the column and offset up to 160 mm (6") to the main column.

We recommend external support if:

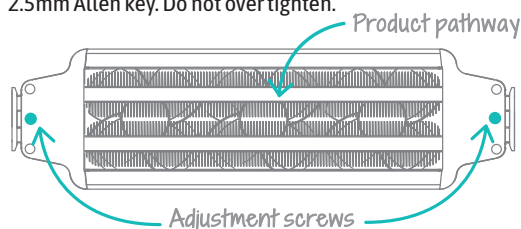
- Your column and condenser exceeds the height and/or weight specifications.
- The lyne arm is not vertical but perpendicular to or angled away from the column, resulting in a significantly distant, off-centre weight.
- If the column and condenser is noticeably leaning.

CLEANING AND MAINTENANCE:

To clean your VORTEX Air Cooled Condenser unit, you can use a household vacuum cleaner to remove dust that may collect in the fan grill and the finned tubes over time.

To clean inside the product pathway, conduct a distillation run of equal parts white vinegar and drinking water.

NOTE: Adjustment screw holes: These two small holes allow you to adjust the bracket holding the welded finned tube assembly. If at anytime you need to adjust, use a 2.5mm Allen key. Do not over tighten.

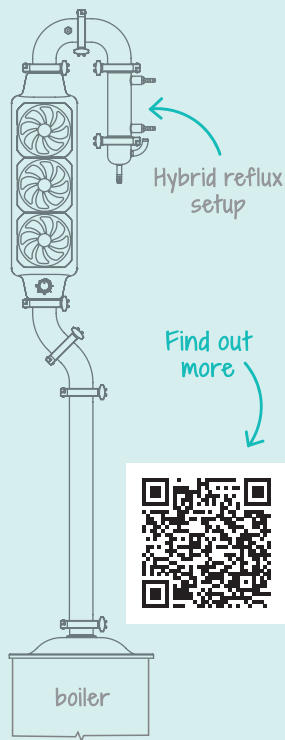
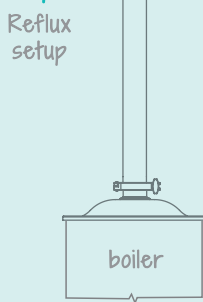
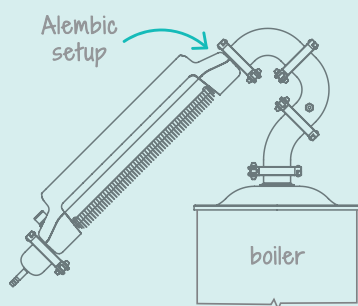


INTEGRATION INTO DISTILLING SYSTEMS

The VORTEX Air Cooled Condenser works best vertically when reflux distilling, especially when used as the main reflux condenser and product condenser.

We recommend angled positioning with the finned tubes facing the boiler when pot still distilling. You can experiment with different orientations and configurations, depending on your still setup.

Potential Configuration Suggestions



DISCLAIMER:

Please note that in certain countries alcohol distillation and the possession of distilling equipment is illegal and permits/licenses may be required. For guidance, contact your relevant local authorities. The below does not constitute legal advice.

In New Zealand, it is legal to distill your own spirits and liqueurs for personal consumption.

In Australia, USA & Canada it is illegal to distill alcohol for consumption or sale without the necessary permits and licenses from the relevant authorities.

In the UK, it is illegal to produce spirits without a distiller's license from HM Revenue & Customs.

BIOFUEL

Biofuel can be made using the same process as distilling spirits. Please contact your relevant local authorities for information specific to your region.

WARRANTY

The Vortex Air Cooled Condenser is warranted against faults in material or workmanship under normal use and maintenance during the warranty period (36 months) from the date of purchase. To make a warranty claim, please contact the store where the product was purchased in the first instance. Proof of purchase will be required before you can make a claim under this warranty. This warranty does not cover the following situations (which is not exhaustive):

- Accident.
- Misuse or abuse, including failure to properly maintain or service.
- Normal wear and tear.
- Power surges, electrical storm damage or incorrect power supply.
- Incomplete or improper installation.
- Incorrect, improper or inappropriate operation and cleaning.
- Insect or vermin infestation.
- Exposure of the power cable and/or adapter to excessive water or outside weather conditions.
- Modifications not undertaken or commissioned by a Bevie approved third party.
- Any other operation outside the uses stated in the instruction manual.



www.stillspirits.com



MASTER THE ART



Please dispose of packaging thoughtfully.

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