

STILL SPIRITS

AIR STILL

INSTRUCTIONS



WARNING: POWER SUITABILITY

- If your local power supply is 110V (e.g. USA/Canada), ensure that your boiler and head unit are both 110V. This is shown on the rating label.
- If your local power supply is 220V, ensure that your boiler and head unit are both 220V. This is shown on the rating label.

PLEASE READ ALL OF THESE SAFETY INSTRUCTIONS CAREFULLY BEFORE USING YOUR AIR STILL

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 breakfast and other residential type environments.

Operational Safety

- The distillation unit should always be run on a flat dry surface in a well-ventilated area.
- Always keep the connectors dry and avoid spillage on the connectors when using this unit.
- If this unit DOES NOT have an on/off switch, always turn the unit on/off via the power point plug and unplug the unit from the wall socket before filling or cleaning.
IF this unit DOES have an on/off switch, always turn the unit on/off via this switch, and then at the power point plug and unplug the unit from the wall socket before filling or cleaning.
- Before each distillation, check the power cords are in good condition and connected properly to the unit to avoid a bad connection or damage the distillation unit.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or a similarly qualified person.
- Never immerse the unit in water, or allow the boiler base or the head unit to become wet inside.
- Do not remove the head unit when the unit is operating.
- The heating element surface is subject to residual heat after use. Allow at least 20 minutes for cooling after switching the power off before you remove the head unit. It is important that the unit cools down before reusing.
- Be aware that the unit contains boiling liquid during operation. Outside of normal operating conditions, the head unit may lift without warning, allowing hot vapour to escape. Allow plenty of free space around the product while operating.
- As much as possible, keep hands and face clear from the immediate vicinity of the distillation unit when operating.
- Do not put any liquid in the boiler that is higher than 40% ABV.
- Do not operate the unit unattended.
- The still has been designed to operate best at ambient temperatures of up to 25°C (77°F). Do not operate the still above ambient temperatures of 40°C (104°F). Using the unit at higher ambient temperatures could result in unsafe operation.
- The boiler is fitted with a high temperature cut out. In the event of dry boil, the reset switch mechanism will trip and cut power to the heating element. If this happens, wait for the unit to cool down and press the reset button on the base of the unit before operating it again.

Note: Not following the safety information above could result in serious injuries and may void your warranty.



YOUR AIR STILL DISTILLING JOURNEY STARTS HERE. CHEERS.

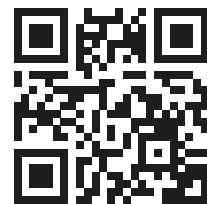
A COMPACT DISTILLATION SYSTEM IDEAL FOR DISTILLING WATER, HYDROSOLS, AND CREATING RICH AND FULL FLAVOURED SPIRITS FOR AGEING OR BOTANICAL INFUSION.

EASY
TO USE

This **Starter Guide** is designed to get you going with your first distillation on the Air Still. These instructions cover cleaning of the system, distilling water, hydrosols and alcohol.

BEFORE YOU GET STARTED:

If you're distilling water or hydrosols, please keep reading. If you're making alcohol, before you get underway, you'll need to prepare a wash. Please visit help.stillspirits.com or scan here to see our "how to make a wash" video.



Note: If you have purchased an Air Still only (as opposed to the full Air Still Pro system), you could purchase a Still Spirits Air Still Pro Head Unit to transform your Air Still into the revolutionary Air Still Pro.

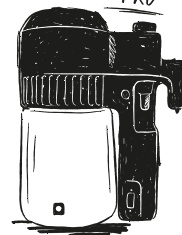
AIR STILL



HEAD UNIT



AIR STILL PRO



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 or advice, contact your relevant local authorities.

ANATOMY DIAGRAM



ABOUT YOUR AIR STILL

EASY TO USE

Designed with user convenience in mind, this system is easy to operate, perfect for beginners. Its compact size ensures that it won't take up much space in your home, making it ideal for those with limited storage areas.

DISTILLS WITHOUT WATER

Unlike traditional distillation methods, the Air Still doesn't require water for its operation. This groundbreaking feature simplifies the process, making it more efficient and environmentally friendly.

SUITABLE FOR DISTILLING WATER & HYDROSOLS

Not just limited to alcohol distillation, the Air Still is also perfect for distilling water and hydrosols. Whether you're purifying water or creating aromatic hydrosols for various purposes, this system delivers reliable results.

SUITABLE FOR FLAVOURSOME ALCOHOL

Whether you're a hobbyist or a connoisseur, you'll appreciate the ability of the Air Still to produce flavoursome alcohol with precision and consistency. From crafting your own spirits to experimenting with unique flavour profiles, this system opens a world of possibilities for creative distillation.



CLEANING

Before using your Air Still, we recommend cleaning the boiler and head unit to remove any manufacturing debris or residues. See detailed instructions below.



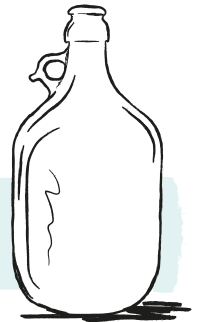
Follow the below instructions to complete a cleaning cycle with a vinegar and water solution. We recommend running a cleaning cycle before your first distillation and then after every 4-6 distillation runs.

- 1 Add 500 ml (17 US fl oz) of boiling water and 500 ml (17 US fl oz) of white vinegar to your boiler.
- 2 Fit the distillation nozzle onto the head unit
- 3 Place the Air Still head unit onto the boiler. Ensure the Air Still head unit is aligned on the boiler correctly so that the power cord from the Air Still head unit can reach the boiler power socket. Firmly press the Air Still head unit onto the boiler. Ensure that the silicone seal is firmly pressed down into the boiler and not visible.
- 4 Connect the power cord that's attached to the head unit to the boiler's power socket. Then connect the long power cord into your wall socket and the boiler. Turn the power on at the wall switch. Press the black switch on the boiler on.
- 5 Place a collection container under the nozzle (600 ml [20 US fl oz] or greater).
- 6 Once the boiler has reached temperature liquid will drip from the distillate nozzle. It will take approximately 15 minutes to reach temperature.
- 7 Let the system run for approximately 30 minutes and then switch off the unit.
- 8 Allow at least 20 minutes for the system to cool down. Failing to do this may result in hot vapour burns, which can cause serious injury. Then remove the power cord and the Air Still head unit from the boiler.
- 9 Empty the boiler and rinse with water.
- 10 Your system is now ready for a distillation run.

WATER DISTILLING

Distilling water is a way to remove the chlorine and chloramines from the water.

Note: Distilled water is devoid of the minerals our bodies use. Drinking excessive amounts of distilled water may cause mineral deficiencies.



- 1 Fill your boiler to the full line with 4 L (1 US Gal) of water. Add a handful of dry ceramic boil enhancers to the boiler.
- 2 Clip the nozzle onto the head unit. This is required to ensure the distilled water flows directly into your collector.
- 3 Ensure the head unit is aligned on the boiler correctly so that the head unit power cord can reach the boiler power socket. Firmly press the head unit onto the boiler so that the silicone seal is not visible.
- 4 Connect the head unit power cord to the boiler power socket. Then connect the long power cord into the plug socket on the boiler and into your wall socket.
- 5 Press the black switch on the boiler to the ON position.



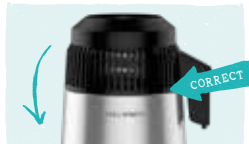
- 6 Place a 4 L (1 US Gal) collection jug under the outlet nozzle.
- 7 It will take approx. 1.5 hours for the water to heat up. Once distillation starts, water will begin to drip slowly into the collection jug. Distilling 4 L (1 US Gal) of water will take about 10 hours. **Note:** If the unit dry boils, the power supply reset will switch off automatically. You will need to press the reset button on the base of the still before you next use it.
- 8 Let the Air Still cool for at least 20 minutes then remove the Air Still head unit from the boiler and empty the boiler. Rinse and clean your Air Still after use.
- 9 To make the distilled water even more neutral, the distilled water can be filtered through a carbon filtration system. We recommend the Air Still Carbon Filter System for this application (sold separately).

HYDROSOL DISTILLING



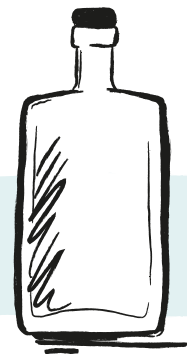
Hydrosols are water-based products made from distilling water and plant matter, resulting in a water solution of soluble plant oils. These are often used as a replacement for fragrances in cosmetics and can be used for aroma therapy.

- 1 Place clean plant material in the Air Still and add enough water to cover. Each type of plant material will require different volumes of water. As an indication, for 300 g (10.6 oz) of rosemary leaves, add 3.7 L (3.9 US qt) of water. Do not fill beyond the full line. Add a handful of Ceramic Boil Enhancers and Distilling Conditioner.
- 2 Clip the nozzle onto the head unit. This is required to ensure the distilled water flows directly into your collector.
- 3 Ensure the head unit is aligned on the boiler correctly so that the head unit power cord can reach the boiler power socket. Firmly press the head unit onto the boiler so that the silicone seal is not visible.
- 4 Connect the head unit power cord to the boiler power socket. Then connect the long power cord into the plug socket on the boiler and into your wall socket.



- 5 Press the black switch on the boiler to the ON position.
- 6 Collect the distillate in fractions of 500 ml (16.9 US fl oz) or smaller so you can monitor quality of the output throughout. The quality will drop off at the end and may become more 'cooked'. Stop collecting when the quality drops.
- 7 Collect a maximum distillate of 80% of the volume of water put in the boiler to make sure it does not boil dry and cook the plant material.
- 8 The oil can then be separated off from the hydrosol by pipette or with an oil separator used in cooking.
- 9 The distillate collected will be mainly hydrosol but there will be essential oil with it. The oil will separate out over time and will float on the surface (for nearly all oils, there are a few which are denser than water and will end up on the bottom).

ALCOHOL DISTILLING



Your first alcohol distillation using the Air Still is called a "stripping run" and assumes you have a wash ready to go. At the end of this stripping run, you will have a spirit to then choose whether to age, infuse, or flavour.

- 1 To ensure you don't get any surge boiling in the still, we recommend adding Distilling Conditioner and a handful of Ceramic Boil Enhancers to the boiler. (If a conditioner or defoaming agent and boil enhancers are not used, you may experience surging, foaming, and/or temperature fluctuations resulting in a lower than normal ABV.)
- 2 Fill your boiler to the full line with 4 L (1 US Gal) of wash.
- 3 Clip the nozzle onto the head unit. This is required to ensure the spirit flows directly into your collector.



- 4 Ensure the head unit is aligned on the boiler correctly so that the head unit power cord can reach the boiler power socket. Firmly press the head unit onto the boiler so that the silicone seal is not visible.



- 5 Connect the head unit power cord to the boiler power socket.

Then connect the long power cord into the plug socket on the boiler and into your wall socket.

- 6 Press the black switch on the boiler to the ON position.



- 7 Place a collection jar under the nozzle. It must have a capacity of 750 mL (25.3 US fl oz) or more.

8 START DISTILLATION

Your distillation run has started. Depending on your wash and ambient temperatures it could take between 60-90 minutes for the first spirit drips to appear.

9 DISCARD FORESHOTS

Discard the first 30 ml (1 US fl oz) of distillate. **Warning:** the foreshots may contain harmful compounds.



10 COMPLETE DISTILLATION

Allow the Air Still to run until you have collected 700 ml (23.7 US fl oz) of alcohol. This will be at a strength of approx. 60% ABV. This should take just over 60 minutes after the first drops first appeared. Turn the unit off.

11 COOL UNIT

Let the Air Still cool for at least 20 minutes then remove the Air Still head unit from the boiler and empty the boiler. Rinse and clean your Air Still after use.

12 DILUTE, FILTER AND FLAVOUR

Add 300 mL (10.1 US fl oz) of water to your distillate to make 1L (1 US qt) of approx. 38-40% ABV alcohol and then filter. Age, infuse or flavour your distillate to the spirit of your choice.

13 BOTANICAL INFUSION

After filtering, if you would like to infuse your alcohol with botanicals, you can complete a second distillation, this is called a "spirit run". For your second distillation add your diluted & filtered alcohol back into the boiler, this must be 40% ABV or below. Add your botanical blend directly into the boiler or use the Air Still Botanical Basket (sold separately), repeating steps 1-12, the diluted spirit does not require filtering for a second time.

If you are using the botanical basket, add your botanicals and firmly press the basket into place underneath the head unit while keeping the head unit upright. Note: When filling the botanical basket, ensure any smaller botanical particles are placed on top of the larger pieces to avoid a potential blockage.



FOR MORE INFORMATION OR ASSISTANCE IN USING YOUR AIR STILL, VISIT stillspirits.com/air-still-help



MASTER THE ART

WE'RE PASSIONATE ABOUT MAKING OUR OWN PRODUCTS, WHETHER IT'S THROUGH THE ART OF DISTILLING OR FLAVOURING, AND WE WANT YOU TO BE TOO. WE BELIEVE THERE'S NOTHING BETTER THAN ENJOYING AND SHARING WHAT YOU HAVE CRAFTED.

WHETHER YOU'RE STARTING TODAY OR ARE ON YOUR WAY TO MASTERING THE ART, WE'RE HERE TO INSPIRE YOU. EVERYTHING WE CREATE IS DESIGNED TO HELP YOU PRODUCE WITH CREATIVITY AND CONFIDENCE AS YOU HONE YOUR CRAFT.

ENJOY THE PROCESS, ENJOY THE JOURNEY AND (OF COURSE) ENJOY THE END RESULTS.

CHEERS!



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.



CORRECT DISPOSAL OF THIS PRODUCT:

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.



www.stillspirits.com



Please dispose of packaging thoughtfully.