

AQUASTAT™



WATER DISTILLER
Use and Care Guide

Model / Series No. W 10000

SciCan

www.scican.com

L8588 Rev 1.0



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Aquastat is a trademark of SciCan.

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Introduction



Your Aquastat™ distiller will provide you with a durable appliance capable of reducing the many impurities which can be found in tap water.

Aquastat™ reduces these impurities through the process of evaporation and condensation. As the water is heated it turns into vapor which rises leaving most impurities behind in the boiling chamber or discharged through the volatile gas vent. As the water vapor cools, it condenses into a liquid state.

With minimum maintenance, your Aquastat™ distiller will provide years of convenient trouble-free operation.

Votre distillateur Aquastat™ est un appareil qui élimine fiablement les impuretés se trouvant dans l'eau du robinet et qui vous fera un long usage.

Aquastat™ fonctionne selon le principe de l'évaporation et de la condensation. L'eau chauffée se transforme en vapeur et laisse derrière elle le plus gros des impuretés dans la chambre d'ébullition ou s'échappe par l'ouverture de gaz volatils. En se refroidissant, la vapeur se condense et passe à l'état liquide.

Votre distillateur Aquastat™ ne nécessite qu'un minimum d'entretien et vous donnera satisfaction pendant de nombreuses années.

Mit dem Aquastat™ steht Ihnen ein robustes Gerät zur Verfügung, das Verunreinigungen, die im Leitungswasser vorkommen, sicher beseitigt.

Dies geschieht mittels Verdampfung und Kondensation. Durch Erwärmen wird das Wasser in Dampf umgewandelt. Dieser steigt auf und lässt dabei das Gros der Verunreinigungen in der Siedekammer zurück oder er tritt durch die Dampf- und Gasöffnung aus. Beim Abkühlen kondensiert der Dampf, geht also in den flüssigen Zustand über.

Mit dem Aquastat™ steht dem Nutzer ein äußerst wartungsarmes und leicht zu bedienendes Gerät zur Verfügung, das viele Jahre störungsfrei eingesetzt werden kann.

Con el Aquastat™ tiene Ud. a disposición un aparato duradero que le permitirá eliminar las impurezas contenidas en el agua de cañería.

Para ello, Aquastat™ trabaja con los métodos de la evaporación y de la condensación. Al calentar, el agua es transformada en vapor, el que al ascender deja la mayoría de las impurezas en la cámara de ebullición o sale por la abertura para el vapor y gas. Al enfriar, el vapor se condensa, es decir, pasa al estado líquido.

Como usuario del Aquastat™ tiene a su disposición un aparato que casi no requiere de mantenimiento, de uso extremadamente fácil, que puede ser empleado por muchos años sin que presente perturbaciones.

Aquastat™ è un distillatore di lunga durata di vita che elimina in modo affidabile le impurità contenute nell'acqua del rubinetto.

Aquastat™ funziona secondo il principio dell'evaporazione e della condensazione. L'acqua riscaldandosi si trasforma in vapore che sale lasciando dietro di sé la maggior parte di impurità nella camera di ebollizione o esce dall'apertura dei gas volatili. Raffreddandosi il vapore si condensa e passa quindi allo stato liquido.

Il distillatore Aquastat™ è un apparecchio che necessita solo un minimo di manutenzione e che potrà essere utilizzato senza guasti per un gran numero di anni.

Safety Precautions

Observe these safety precautions when using your water distiller.

- Read all instructions before using.
- Do not let the cord touch hot surfaces or hang over the edge of a counter or table.
- Always allow the boiling chamber to cool before removing it from the distiller.
- Make sure the water bottle is properly placed, with its cap removed, on the base of the distiller chassis immediately after starting the machine.
- Do not run distiller without water in the boiling chamber. Permanent damage to the boiling chamber could occur.
- Do not remove the water bottle or the boiling chamber while the distiller is running.
- No part of the distiller should be moved while the distiller is in operation.
- Do not immerse the distiller, boiling chamber, its cord or plug in any liquid. Do not place any component near a hot gas, electric burner or in a heated oven.
- Do not use the distiller outdoors.
- This appliance is not intended for use by young children.
- Use your distiller only for the uses described in these instructions.
- Avoid using extension cords.
- Do not use the distiller if it or its cord is damaged or not working properly. Return the unit to your authorized distributor for examination and/or repair.

WARNING: To prevent personal injury or property damage, read and follow the instructions and warnings in this Use and Care Guide.

Save these instructions

Safety Precautions Continued

Your distiller requires no special care other than cleaning. If servicing becomes necessary, please contact an authorized distributor. See the warranty on page 10 for service details. **Do not attempt to repair the distiller yourself.** The distiller is designed and intended for household use only.

This system was tested in accordance with the WQA S-400 Series Standard and has the product water production rate of 1 US gallon (4 L) per 4 hours and has the product water storage capacity of 1 US gallon.

Model/Series #W10000. Production rate: 5.5 U.S. gallons per day

	Volts	Hertz	Watts
North America	120 VAC	60 Hz	750W
Europe	230 VAC	50 Hz	750W
Latin America	230 VAC	50 Hz	750W
Southeast Asia	230 VAC	50 Hz	750W
Japan	100 VAC	50/60Hz	750W

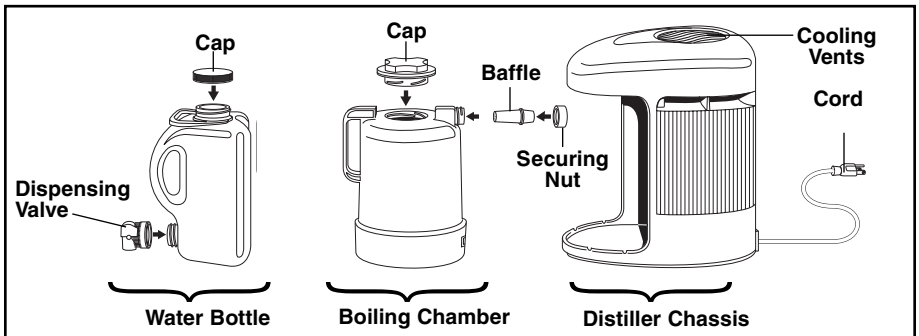
Electric Cord Statement

CAUTION: Your distiller has a short cord as a safety precaution to prevent injury or property damage resulting from pulling, tripping or becoming entangled with the cord. Do not allow children to be near this distiller without close adult supervision. If you must use an extension cord with this distiller, the cord must be arranged so that it will not drape or hang over the edge of a countertop or tabletop where it can be pulled on or tripped over. To prevent electric shock, injury or fire, the electrical rating of the extension cord you use must be the same as or more than the wattage of the distiller (wattage is indicated on the bottom of the distiller). Plug the distiller into a rated voltage AC grounded electric outlet ONLY (rated voltage found on bottom of the product). The cord has a three-prong plug which mates with a standard three-prong grounded wall outlet. Do not cut or remove the third prong from the plug. If an adapter is used, be sure the adapter wire and the wall outlet are grounded. If there is any doubt as to whether the outlet is properly grounded, check with a qualified electrician. Unplug the distiller when not in use.

CAUTION: To prevent personal injury or electric shock, do not immerse the distiller, boiling chamber, its cord or plug in water or any other liquid.

Before using your distiller for the first time, please follow the steps below.

Preparing Your Aquastat™



To Clean the Water Bottle

First, make sure the dispensing valve is installed and tightened onto the water bottle. Then fill the water bottle about $\frac{3}{4}$ full with water. Add one or two drops of dish washing detergent to the water. Seal the bottle's top opening with the cap supplied. Shake the bottle vigorously and then drain. Rinse the bottle thoroughly to remove all of the detergent.

NOTE: Do not allow the soap / water mixture to remain in the water bottle for long periods of time. Do not use the water bottle to store liquids other than distilled water. Liquids other than distilled water may contaminate the water bottle.

To Sanitize the Water Bottle

Add 5 ounces (150 ml) of 3% hydrogen peroxide solution (H_2O_2) to the water bottle. Fill the bottle with hot ($160^\circ F$, $71^\circ C$) distilled or tap water. Cap the water bottle. Shake the water bottle vigorously. Let stand for twenty minutes then drain thoroughly. Rinse with room temperature distilled or tap water, then drain. Water bottle may be used immediately or allowed to air dry. Your distiller is now ready for use.

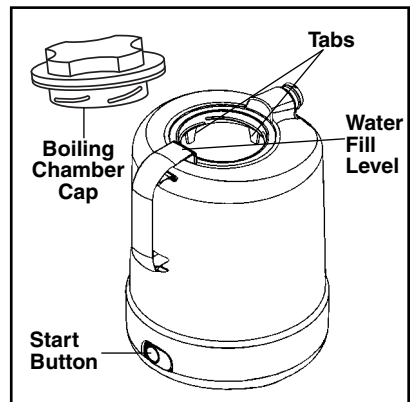
NOTE: Be sure to place the distiller in a location that provides adequate ventilation during operation, with at least 4 inches (10 cm) of clearance to the sides and back and 3 inches (8 cm) to the top of the unit. Do not operate the distiller in an enclosed area such as a cupboard or cabinet. The distiller must be operated only in areas with ambient air temperature of $40^\circ F$ - $110^\circ F$ ($5^\circ C$ - $45^\circ C$).

Operating Instructions

1. Place the distiller on a dry, level surface in a well ventilated area. Plug the cord into a properly grounded rated voltage AC electrical outlet **ONLY**.
2. Remove the boiling chamber from the distiller by grasping its handle and pulling it straight out of the distiller chassis. Do not lift up when pulling the boiling chamber out of the chassis.

CAUTION: To prevent personal injury, burn, or scald injury, do not remove the boiling chamber until it has cooled completely.

3. Remove the boiling chamber cap by turning it counterclockwise. Note the four tabs at the base of the boiling chamber fill opening.
4. Fill the boiling chamber with cold tap water to the bottom of the four tabs which equals 1 gallon (4 liters). **Do not overfill the boiling chamber. Overfilling the boiling chamber may result in leakage, electrical failure, electrical hazard, or damage to the distiller.**
5. Replace the boiling chamber cap by turning it clockwise.
6. Make sure the baffle is in place and its securing nut is tightened. To do this, insert the long end of the baffle, flat side down into the spout and secure with the nut. The hole on the flat side of the baffle should be facing down. It is important that you tighten the securing nut, with baffle properly in place, onto the boiling chamber before each use. Failure to properly secure the baffle and nut may result in leakage or early shut off of the distiller.
7. Wipe off any water on the outside and bottom of the boiling chamber and around the electrical connection.



Operating Instructions Continued

8. Slide the boiling chamber into the distiller chassis and press firmly to insure that it is properly placed. It is important that the boiling chamber be pressed firmly into the distiller chassis. It is recommended that you place one hand on the back of the distiller chassis and push the boiling chamber into the chassis with the other hand. To ensure that a tight electrical connection is made, press on the base of the boiling chamber near the start button also.

CAUTION: To prevent personal injury or property damage, the boiling chamber must be fully engaged prior to start-up.

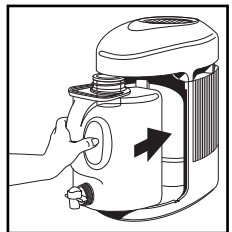
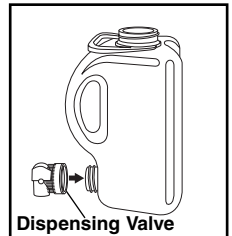
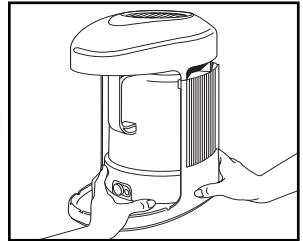
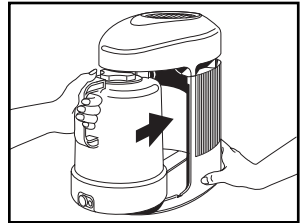
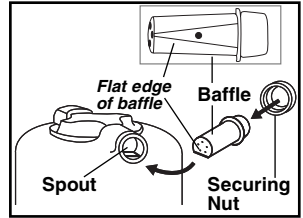
9. Press the “start” button at the base of the boiling chamber.

NOTE: The button will glow when the boiling chamber is heating, however, the light will go out and the boiling chamber will stop heating if electrical power to the boiling chamber is interrupted or stopped. If this occurs, press the start button again to restart the distillation cycle.

10. The cooling fan will not start immediately. A delayed fan startup feature has been included in your distiller. The fan will start once the boiling chamber has reached a pre-determined temperature, approximately 30-40 minutes after starting the cycle.

NOTE: Do not install the cap onto the water bottle. The bottle must be left uncapped to allow water to enter it from the distiller.

11. Make sure that the dispensing valve is securely tightened onto the water bottle.



Operating Instructions Continued

12. Place the water bottle on the base of the distiller chassis. The base of the distiller chassis has raised edges to assist in positioning the water bottle properly.

NOTE: Do not remove the water bottle while the distiller is running.

13. At the end of the distillation cycle (about 4 to 4½ hours), the distiller will shut off automatically and the “start” light will go out. The fan will continue to operate for several minutes. Let the distiller cool completely before removing the boiling chamber from the chassis.

14. Unplug the cord from wall outlet when not in use.

NOTE: Approximately 8 ounces (240 ml) of water will remain in the boiling chamber at the end of the distillation cycle. This feature reduces scale deposits in the boiling chamber.

CAUTION: To prevent personal injury, burn, or scald injury, do not remove the boiling chamber while the start button is illuminated or at any time when the boiling chamber is hot. Always unplug the distiller from the wall outlet and allow the boiling chamber to cool completely before removing it from the distiller.

NOTE: The water bottle has been designed to hold one gallon (4 liters) of water. Therefore, the water bottle will not fill completely.

Once the distillation cycle is complete, secure the cap onto the water bottle to avoid spilling. The cap must be opened slightly before dispensing water.

Cleaning Instructions

CAUTION: To prevent personal injury or electric shock, do not immerse the distiller, its boiling chamber, cord, or plug in water or other liquid.

Boiling chamber

Rinse the boiling chamber after every distillation cycle once the unit has cooled completely. Remove the baffle by unscrewing its securing nut. Inspect the baffle for scale deposits. Any scale can be removed by soaking the baffle in vinegar. Half fill the boiling chamber with tap water, agitate and discard the water. The water may be drained through the spout. Securely reinstall the baffle and securing nut.

It is important to wipe off all water deposits inside the distiller chassis, on the base of the chassis, and on the outside bottom of the boiling chamber between each distillation cycle. If this is not done, corrosion of the distiller or electrical hazard may occur, or it may cause the distiller to shut off early before producing a full gallon of water.

Heavy scale deposits should be removed from the boiling chamber whenever they exceed $\frac{1}{16}$ of an inch (0.16 cm). Add enough white distilled vinegar to the boiling chamber so that the scale deposits are covered. Allow the vinegar to stand for at least twenty minutes and then discard. Rinse the boiling chamber. Repeat this process if necessary.

Do not heat vinegar in boiling chamber. A descaler, coffeemaker, or kettle cleaner may also be used to clean the boiling chamber.

Water bottle

See page 4 under Preparing Your Aquastat™ for instructions on cleaning and sanitizing the water bottle.

Outside surfaces

Use a common household glass or appliance cleaner or a damp soft cloth to clean the distiller's outside surfaces. Do not use abrasive or solvent based cleaners. Do not spray cleaning products directly onto the distiller.

The distiller's cooling system vents (see diagram on page 4) should be vacuumed occasionally or cleaned with a soft brush to remove dust and debris. Failure to do so may cause the distiller to overheat, shut off early, or emit a foul odor.

Troubleshooting Guide

Problem	Possible cause	Solution
Start button does not light up.	<p>Distiller is not plugged in.</p> <p>Boiling chamber is not fully inserted.</p>	<p>Plug the distiller into a rated voltage outlet.</p> <p>Make sure the boiling chamber is seated properly.</p>
Start button lights up, but fan does not start.	The fan's delayed start system has not activated.	Wait at least ½ hour for the fan to start.
Distiller does not operate.	<p>Distiller is not plugged in.</p> <p>Outlet is defective, or fuse or circuit breaker has tripped.</p> <p>Electrical power has been interrupted.</p>	<p>Plug the distiller into a rated outlet.</p> <p>Check fuses or circuit breakers or call an electrician.</p> <p>Press start button to restart.</p>
Steam appears near the top of the boiling chamber.	<p>The baffle is missing or is improperly installed.</p> <p>Boiling chamber cap is missing or loose.</p>	<p>Properly install the baffle. See page 5.</p> <p>Securely install the boiling chamber cap.</p>
Water leaks from top of distiller.	The cap is on the water bottle.	Remove the cap from the water bottle during the distillation cycle.
The distiller shuts off before the cycle is complete.	Loose baffle, missing baffle, or baffle is not secured properly in the spout of the boiling chamber.	The screwed fitting can become loose during cycles. Assure that this fitting is tightened before each use. The baffle must be installed with the flat side down (this means that the hole is down) and the narrow end inserted into the spout of the boiling chamber. See page 5.

Troubleshooting Guide Continued

Problem	Possible cause	Solution
	<p>The distiller is not in a well ventilated area.</p> <p>There is excess scale build-up in the boiling chamber.</p>	<p>Distiller must be operated in a well ventilated area for proper heat dissipation. See page 4.</p> <p>Clean the boiling chamber. See page 7.</p>
<p>The distiller is leaking.</p>	<p>The boiling chamber is not properly installed.</p> <p>The O-ring is damaged or missing from the baffle.</p>	<p>Push the boiling chamber into the distiller chassis so that both the electrical and the baffle connection are tightly joined. See pages 4 and 5.</p> <p>If damaged, replace O-ring. Make sure the O-ring is properly placed on the baffle, fitting in the circular groove.</p>

Limited Warranty

This certifies that your product is warranted by the manufacturer to be free from defects in material, construction, and craftsmanship for 1 (one) full year from the date of original purchase. If service should be necessary, send the product with a description of the claimed defect to the distributor from whom the product was purchased.

In the event you are unable to locate the distributor you may call 262-626-8623. Any part or parts which, upon examination by the manufacturer, are found to be defective will be repaired or replaced without charge during the warranty period. This warranty does not apply to damage caused by accidents, misuse, abuse, or alterations.

THE MANUFACTURE'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT AT THE MANUFACTURER'S SOLE OPTION. THE MANUFACTURER SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER DIRECT OR INDIRECT. THIS WARRANTY IS EXPRESSLY GRANTED IN LIEU OF ALL OTHER WARRANTIES INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Date purchased: _____

Purchased from: _____

The w10000 series includes the following numbers: W10100#, W10120#, W10121#, W10122#, W10123#, W10124#, W10125#, W10230# , W10231#, W10232#, W10239#, W10240#, W10241#, W10242#, W10243#, W10244#, W10245#, W10246#, W10247#.

These product numbers may or may not be followed by a letter suffix from A-Z.

Limited Warranty



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