

H₂O Labs[®] Model 200

Water Distillation System **Instruction Manual**

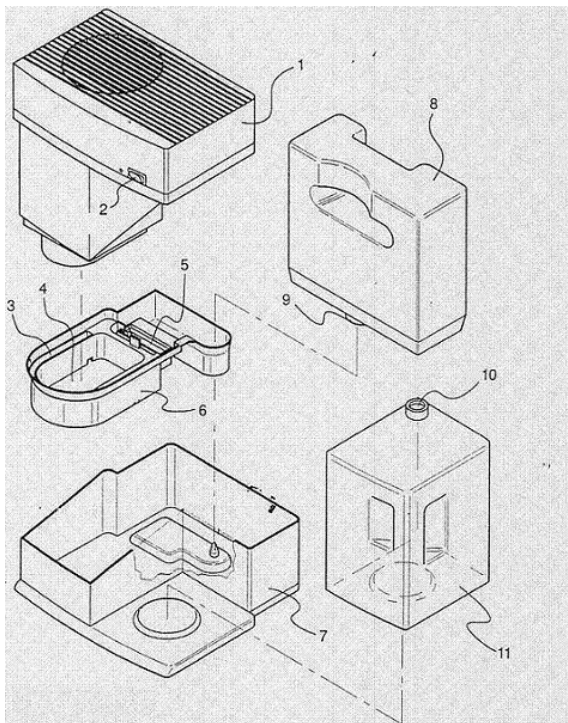


Thank you for purchasing the H₂O Labs
Model 200 Countertop Water Distillation System.
You'll soon be drinking the **PUREST** water possible.

**PLEASE READ THIS INSTRUCTION MANUAL
for a quick, easy and enjoyable water making experience.**

COMPONENTS

1. Main Unit
2. Power Switch
3. Pre-heating
Water Channel
4. Boiling Area
5. Water Level
Channel
6. Water Tray
7. Base
8. Tap Water
Container
9. Tap Water
Container Cap
& Spring Valve
10. Activated
Carbon Pod,
11. Collection
Carafe
12. Infrared Anti-
Scale Pad
(Not Shown)



Contents of shipment carton:

- A. Main Unit
- B. Water Tray
- C. Base
- D. Tap Water Container with Cap/Valve (Delivered in 1 Piece)
- E. One (1) Activated Carbon Pod
- F. Collection Carafe with Lid (Delivered in 1 Piece)
- G. Infrared Anti-Scale Pad with Retainer Clip

Please verify that all parts mentioned above have been located before discarding box and packaging materials.

SAFETY INSTRUCTIONS – Read Before Operating

Save these Safety and Operating Instructions for future reference.

- ▲ A hard level surface is required for proper operation. Always operate the unit on a dry, heat-tolerant surface, out of the reach of children.
- ▲ Insure that the air inlet and outlet openings on the top and side of the unit are not blocked.
- ▲ Never place your Distiller near any heat source (e.g. electric heater, gas oven, etc.)
- ▲ Do not use extension cords unless absolutely necessary. However, use of a power strip to protect against lightning strikes and power surges is acceptable.
- ▲ Do not allow any cord to hang over the counter which could get tangled or caught resulting in the unit being pulled off of the countertop.
- ▲ Be sure to keep the cord out of reach of children.
- ▲ Before plugging the power cord into an outlet, be sure the plug is dry. Push plug all the way into the outlet to avoid a poor connection that could result in arcing.
- ▲ To prevent overloading a circuit, do not plug the distiller into a circuit that exceeds the maximum amperes of all appliances on the circuit.
- ▲ Never remove the Main Unit from the Base or touch any of the interior parts while the Distiller is in operation. **Always allow to cool at least 30 minutes after a cycle has finished before any internal parts are handled.**
- ▲ Except for the Heating Element, never immerse any portion of the Main Unit in water.
- ▲ When not in use for extended periods, disconnect power cord from outlet.
- ▲ If power cord is damaged, it should be replaced, (not repaired).
- ▲ Do not attempt to make any repairs to the unit. It should be repaired only by an electrical appliance repair professional or similarly qualified person in order to avoid a potential hazard.

QUICK START INSTRUCTIONS:

Making your own pure distilled water is easy as 1, 2, 3!

Don't let this detailed Instruction Manual discourage you. We try to explain everything possible so there is no guess work about the best way to set up and operate your distiller. But the Model 200 is actually very easy to use.

After you clean the Collection Carafe, all you do is:

- #1-Fill the Tap Water Container and place it into position;
- #2-Position the Collection Carafe under the distilled water outlet;
- #3-Push the On/Reset button when you are ready. That's it!

In less time than it takes to prepare a coffee maker, you will have the purest water ever being made. For more details and information about your distiller, read this entire Instruction Manual to discover shortcuts to make your water distillation experience even easier and more enjoyable.

Note: The Model 200 was specially designed to be light-weight and easy to use. It may seem a little delicate before water is added to the reservoir, but it has proven to be very durable and reliable and it is also the most convenient water distiller made.

BEFORE FIRST USE:

Fill Collection Carafe approx. half way with warm water, shake vigorously, and rinse it very well. Empty it and allow to air dry completely. (Use hair dryer if in a hurry.)

Do not use Activated Carbon Pod until the 2nd cycle.

Use distilled water from the 1st cycle to rinse the Activated Carbon Pod and then discard the remaining water from the 1st cycle.

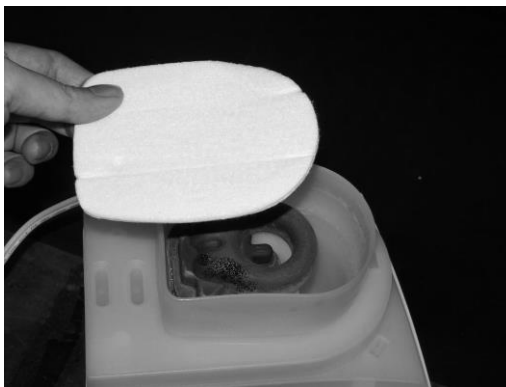
OPERATING INSTRUCTIONS

1. Locate the unit on a flat, sturdy, heat tolerant surface. Keep the unit in a well ventilated area away from other heat sources so that the cooling fan will operate efficiently.

2. Place the Water Tray in the Base. Turn the Main Unit on it's side to install the Infrared Anti-Scale Pad. (When unit is inverted, take care not to allow liquid or debris to fall into the steam channel above the Heating Element.)



3. Immerse the Infrared Anti-Scale Pad in water and soak for a minute or so until it is saturated. Position the Pad just inside the Heating Element Housing. If the pad does not fit inside the housing, bow it slightly and tuck it in.



The Infrared Anti-Scale Pad also helps to confine the higher heat to the boiling area around the heating element. A little separation from the heating element is preferable; however the pad is heat-resistant and will not be harmed if it touches the heating element.

4. Attach the provided retainer clip to secure the Infrared Anti-Scale Pad to the housing. Then place the Main Unit up-right onto the Base.



5. Fill Tap Water Container; Replace Cap/Valve snugly but do not over-tighten, and set the Tap Water Container in the Base. (Allow a few seconds for water to fill the Water Tray.)



6. Position the Carafe onto the Base with the Carafe fill opening located to the back on the left. Always allow at least 1 inch space between the wall and the reservoir tank at the back of the unit.



7. Plug the power cord into an outlet and press the power switch to “ON/Reset” to begin the cycle. If at this time the red light illuminates, one of the following situations is occurring:
 - A. The Tap Water Container is not full or properly seated. (Fill and/or lift the Tap Water Container and replace.)
 - B. The Water Tray is not completely filled yet. (Press the switch to “OFF” and wait for the Red light to turn off, and then press the switch to the “ON” position.)
8. Check to see if the cooling fan at the top of the unit is on.
 - A. If the fan is on, the Distiller is heating the water and will begin making pure water after several minutes.
 - B. If the fan is not on, check to see if each component is in place and then press switch to “On/Reset.”
9. When the Tap Water Container is empty, the unit will shut-off automatically and the red light will illuminate. After the unit automatically shuts-off, press the “Off-On/Reset” button to the “Off” position, and then remove the Power Cord plug from outlet.

IMPORTANT: Do not touch the interior of the appliance for at least 30 minutes after the unit shuts off.

10. Before beginning the next cycle, rinse the Water Tray thoroughly. It’s a good idea to empty and rinse the Water Tray often, (after each cycle if possible), which will reduce water scale buildup and will also help to ensure water quality.

Note: When using the appliance for the first time, it is possible that some harmless material may remain from manufacturing, packaging or shipping. This could leave an unwanted taste or odor in the distilled water. For this reason it is recommended that the first cycle not be consumed. Water from the first cycle may be used for pets, watering plants, for steam irons or in humidifiers, etc. or may be discarded. (This water may also be used to rinse the Activated Carbon Pod as described in the following steps.)

11. The Activated Carbon Pod helps to remove any residual VOC gases and can also enhance the taste of the water. To insure that the Activated Carbon Pod remains perfectly clean, do not use it for the 1st cycle.



Beginning with the 2nd cycle, and each time a new Activated Carbon Pod is to be used for the first time, remove the Pod from the plastic bag and immerse it several times in a cup of distilled water, (if available), to rinse away any carbon dust. (*The activated carbon charcoal made from coconut shells and is harmless.*)

Place the Activated Carbon Pod into the opening of the Collection Carafe and you can begin the next cycle to make distilled water which you can drink and enjoy.

Note: It may be necessary to tap or shake a new pod to loosen the carbon granules so that they are not stuck together.

12. When each cycle is completed, remove and store the Activated Carbon Pod in a clean and dry location until needed for the next cycle.

Replace the Activated Carbon Pod after 30 gallons or 30 days, (whichever is sooner), or whenever there is any noticeable taste or odor. Replacement pods can be ordered from H2o Labs.

Attention Dental Offices: Do not use activated carbon pods when making distilled water for autoclave use.

CLEANING AND MAINTENANCE INSTRUCTIONS

To keep your distiller looking new, you can clean the exterior with a soft, damp cloth. Do not use cleaning solutions or abrasive cleaners or scouring pads on the exterior surfaces.

Using the distiller will result in scale deposits accumulating on the Infrared Anti-Scale Pad, in the Water Tray and on the Heating Element. If the unit is not cleaned regularly, excess scale deposits can cause the distiller to become less efficient, stop operating or can damage it. Much of the water scale will adhere to the Infrared Anti-Scale Pad which will reduce how often the Heating Element requires cleaning. The pad can be washed and reused many times. Over time it will shrink but can be stretched back to its original size to increase its useful life. It is recommended that the Infrared Anti-Scale Pad be replaced every 3 to 6 months depending upon the source water quality. (Additional Infrared Anti-Scale Pads are available from H2o Labs.)

Please keep the Water Tray, Infrared Anti-Scale Pad and Heating Element clean as described in the following instructions in order to assure maximum life-time of the appliance. **Do not clean the Water Tray, Infrared Anti-Scale Pad or Heating Element until a cycle has ended and the unit has cooled for at least 30 minutes.**

1. To prevent excessive water scale accumulation on the Heating Element, the Water Tray should be cleaned often. A quick rinse after each distilling cycle is recommended. Switch off, unplug and lift the Main Unit up a little to allow it to drain into the Water Tray before removing it from the Tray; Lift out the Water Tray and rinse it completely. The Water Tray can also be cleaned in a dishwasher if desired. Important: Never immerse the Main Unit in water or put it in a dishwasher.
2. Rinse the Infrared Anti-Scale Pad well and squeeze the water out of it. Wipe off the Heating Element and reassemble unit.

3. If excessive scale is noticeable, or after each 10 gallons of water has been made, thoroughly clean the Water Tray and/or Heating Element as instructed below:

A) Switch off, unplug and remove the Main Unit from the Base.

B) Remove the Water Tray and rinse it. Fill the Water Tray with plain white distilled vinegar and replace the Water Tray in the Base. (A stronger water scale cleaning solution may be used if necessary, which is available from H2o Labs.)

C) Detach the Infrared Anti-Scale Pad to wash it separately. If the scale is not readily removed from the Pad, soak it in a small bowl of white distilled vinegar as necessary.

D) Set the Main Unit in position on the Base so that the Heating Element is completely immersed in the white distilled vinegar or water scale cleaning solution. Allow to sit for a few hours to soften the scale deposits as necessary.

E) After the scale has softened, use a damp sponge, cloth or brush to clean the Heating Element and dry it. Take care not to allow liquid or debris to fall into the steam channel above the Heating Element. The condensing coil at the top of the unit does not require cleaning.

F) Thoroughly rinse, (stretch if necessary), and reinstall the Infrared Anti-Scale Pad in the Heating Element Housing.

G) Wash, rinse and dry the Water Tray and replace it into the Base.

H) Replace the Main Unit on the Base; Fill Tap Water Container and install; Install Activated Carbon Pod in Carafe and position the Carafe on the Base; Plug in and switch on when ready.

FEATURES

1. Compact countertop size, aesthetically pleasing and practical design. Light-weight for ease of handling.
2. Removable Tap Water Container fills easily at kitchen sink.
3. Automatic shut-off allows the unit to run at night so there is no waiting for water to be made during the daytime.
4. Purified Water Carafe made from food grade plastics and is safe for water storage. Can be placed in the refrigerator to chill the water. (Additional Carafes available.)
5. Interior heating components are made from heat-resistant, food grade plastics.
6. Removable Water Tray is easily cleaned by hand and is also dishwasher safe.
7. Infrared Anti-Scale Pad helps reduce scale build-up on the Heating Element. The pad can be reused many times. (Replacement pads are available when necessary)
8. High efficiency, direct heating method saves energy.
9. Auto-Feed Reservoir allows a small amount of water to be heated at a time, which enables the process to begin quickly with increased efficiency and little loss to evaporation.
10. Special designed water level control. When the water level in Water Tray is below the pre-set level, the unit will shut off automatically.
11. To help eliminate VOCs, (volatile organic compounds), for which the boiling point is less than the boiling point of water, gases are vaporized and escape naturally.
12. Easy to use Activated Carbon Pod also helps to eliminate VOCs and simply mounts on Carafe during operation for extra fresh tasting water. (Additional Activated Carbon Pods are available from H2o Labs.)

ADDITIONAL SAFETY FEATURES

1. If the Main Unit is tilted or lifted from the Base, the unit will automatically shut off.
2. If no water is in the Tap Water Container, the unit will not start.
3. If the outlet of the Tap Water Container is blocked or if the Container is removed, the unit shuts off automatically.
4. When the Tap Water Container is empty and the level in the Water Tray descends to a certain pre-set point, the unit will automatically shut off.
5. Two thermal cut-off fuses are attached to the heating element to prevent overheating. Should one thermal fuse fail, the second fuse will activate the safety cut-off.
6. If household power fails, the unit may be manually reset if necessary to resume operation after power is restored.

To Reset:

- A. Push the “Off-On/Reset” switch to the “Off” position;
- B. Wait for about 5 seconds until the red light turns off;
- C. Then push the “Off-On/Reset” button to the “On/Reset” position.

Note: If “Off-On/Reset” button is returned to “On/Reset” before the red light turns off, the appliance will not operate.

Making PURE WATER, (like all good things), takes time.

You've heard of Instant Coffee and Instant Tea. It might do if you are in a hurry, but it just won't be as good as if it were freshly brewed.

Regular filtered water can be compared to "instant water" in that you don't have to wait for it to be made. The water is simply discharged after running through a course, (and very ineffective), filtering material. Sometimes the filtering material can become contaminated and produce water that is even WORSE than it was BEFORE it was filtered!

Unlike filtered water that has been "around the block" many times, and is actually the same old water being used over and over again, distilled water is BRAND NEW every time it is made!

Just as in Nature, it takes a little time and patience to make brand new water. It has to evaporate and then condense back into liquid again in the form of rain or distilled water. Because distilled water must be converted to steam vapor and then condensed back into pure water, distillation of a full gallon can take approx. 5 hours.

Put your distiller on the 'night shift'

To avoid having to wait for your water to be made, or from running out of pure water during the day, just push the button on your unit before retiring each night so it will make a gallon for you overnight. *(Please be sure that your carafe is properly positioned to collect the water.)* Don't forget that your system turns off automatically, so you don't have to be awake to do anything.

Then, when you wake up each day, you will have a full gallon of the PUREST water possible, waiting for you to use each morning and have plenty to enjoy all day. *(If you use more than one gallon per day, then by all means, run it again during the day before you run out.)* **Water this PURE is worth waiting for!** *(But you can avoid waiting, by making it overnight.)*

TIPS

Run your system at night - As mentioned previously, prepare the unit at any convenient time during the day, but wait until before retiring each night to turn it on. That way, any noticeable noise and heat from the process will be minimized. More importantly, the unit will have ample time to cool down by morning which will make it quicker, easier and safer to clean and prepare for the next cycle. Plus you'll have a fresh and full gallon first thing in the morning to enjoy all day.

Obtain a large refrigerator storage container with a dispensing valve for easy access. When it gets about half empty, it's time to make another gallon. This way, you'll always have a reserve supply handy.

Distilled water is also great for coffee, tea, cocoa and frozen fruit juices; ice cubes, cooking and low sodium diets; watering plants or sprouts; pets and aquariums; or anything requiring distilled water like steam irons or other steam appliances and automotive batteries.

BREAK-IN PERIOD

Because the unit is newly manufactured, there may be a slight "new" smell or perceived bitter taste from the first couple cycles. However, the water is completely pure and safe to consume. Any smell or taste improves with each use until it becomes completely odorless and tasteless. Unlike water filters that begin deteriorating immediately and get worse as each additional gallon is filtered, distilled water just gets BETTER and BETTER with each cycle.

TROUBLE SHOOTING (Visit www.H2oLabs.com for additional Trouble Shooting Guidance.)

Water does not taste right:

-See "BREAK-IN PERIOD" information above.

Unit will not turn on, (and red LED light is OFF):

-On/Reset switch not in proper position;

-Power Cord not plugged into house outlet or house circuit breaker has tripped.

TROUBLE SHOOTING continued. (Visit www.H2oLabs.com for additional Trouble Shooting Guidance.)

Unit will not turn on, (and red LED light is ON):

- Main Unit is tilted or lifted from the Base;
- Tap Water Container not properly positioned. (Lift container and replace.);
- No water in the Tap Water Container;

Water not being made:

- If the fan is on, wait 20 minutes for the water to begin boiling.
- Boiling Tray not filled. Check to see if Tap Water Container Cap/Valve is discharging water to the Boiling Tray.
- Tap Water Container Cap/Valve Stem is slanted. Hold rubber washer and straighten or adjust the stem for proper water flow.
- If the fan is off, see “Unit will not turn on” fixes above.

Unit shuts off too soon:

- Tap Water Container outlet is blocked or the Tap Water Container is not seated in the proper position. (Inspect and reposition.)
- If household power has failed, the unit may need to be manually reset to resume operation after power is restored.

To Reset:

- A. Push the “Off-On/Reset” switch to the “Off” position;
- B. Wait a few seconds until the red light turns off;
- C. Then push the “Off-On/Reset” button to the “On/Reset” position.

Water leaking on counter:

- Reservoir not seated properly. Lift and reposition.
- Carafe improperly positioned. Install it properly.
- Boiling tray not installed. Install in bottom of main body.
- Unit is not level. Check to see if it is level and correct if necessary.
- Carbon clumped together in Activated Carbon Pod. Tap and shake Pod vigorously until carbon granules are no longer stuck together. If necessary, insert a clean paper clip into the pod to help separate the granules.

TROUBLE SHOOTING continued. (Visit www.H2oLabs.com for additional Trouble Shooting Guidance.)

Main unit not positioned level on the Base:

-Infrared Anti-Scale Pad not installed inside the Heating Element Housing properly. See “Operating Instructions #3”.

Unit does not turn off when completed:

-Reservoir tank may be wedged against the wall. Allow at least 1 inch space between the reservoir and the wall.

Model 200 SPECIFICATIONS:

Size: 11” (L) x 10 ½” (W) x 13” (H),

Unit weight: 7 ¾ lbs. (empty)

Capacities: Tap Water Reservoir - One Gallon;
Collection Container - One Gallon

Water Output: 1 Gallon, (4 L.), per 5 hrs. (approx.),
Up to 4 Gallons distilled water per day (16 L.);

Power Source: AC 120V/60Hz

Power Consumption: 600W, 5A

Material: ABS. Internal components are Heat Resistant, Food Grade Plastics.

The H2o Labs Countertop Water Distillation System will provide your household with **THE PUREST WATER POSSIBLE** and it’s made Fresh to Taste Great.

To order Activated Carbon Pods, Infrared Anti-Scale Pads, Water Distiller Cleaning Crystals, Parts and Accessories, or for information on High Capacity Automatic Units and other helpful products or information . . .

Visit www.H2oLabs.com

or Call 1-800-990-3560

(Monday through Friday 8:00 AM to 5:00 PM Central Time.)