

Mophorn Mophorn Water Distiller

Mophorn 4L/1.1 Gallon Water Distiller Instruction Manual

Model: Mophorn Water Distiller

1. IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before using the Mophorn Water Distiller. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always ensure the distiller is placed on a stable, level, heat-resistant surface.
- Do not immerse the main unit (heating chamber and fan top) in water or other liquids.
- Keep the distiller away from children and pets.
- Do not operate the distiller if the power cord or plug is damaged.
- Unplug the distiller from the power outlet before cleaning or when not in use.
- Allow the unit to cool completely before handling or cleaning. The heating chamber and distilled water will be hot.
- Ensure proper ventilation around the distiller during operation. Do not block the air vents.
- Do not overfill the water tank beyond the maximum fill line.
- Use only potable water for distillation.

2. PRODUCT OVERVIEW

The Mophorn Water Distiller is designed to produce pure distilled water for various household and professional uses. It features a 750W heating element and a 4L (1.1 Gallon) capacity.

2.1 Components

- Water Distiller Main Unit (Heating Chamber with Fan Top)
- Water Collection Bottle (Glass, 4L/1.1 Gallon)
- Dust Cap
- Cleanser (Citric Acid Powder)
- Activated Carbon Packages (3 replaceable)

2.2 Key Features

- **Efficient Distilling:** 750-watt heating plate distills up to 1 L (0.26 Gal) per hour, producing approximately 23 L (6 Gal) per day.

- **Food-Grade Materials:** All water-contacting parts, including the internal tank, inner cap, water outlet, and inlet, are made of 304 stainless steel. The collection bottle is made of durable borosilicate glass.
- **Intelligent Temperature Control:** Features an upgraded control panel with temperature display, adjustment, °C / °F switch, and on/off button. Includes automatic shutoff for overheating protection at 150°C (302°F).
- **Rapid Heat Dissipation:** Equipped with a built-in 4-blade aluminum fan for efficient cooling and extended service life.
- **Easy Maintenance:** Comes with replaceable carbon packages and a cleaning powder for convenient descaling.



Figure 2.1: Hygienic and Durable Material Construction

INTELLIGENT CONTROL PANEL

Built-in overheat protection to avoid dry burning



Figure 2.2: Intelligent Control Panel and Design Features

3. SETUP

Follow these steps to set up your Mophorn Water Distiller before first use:

1. **Unpack:** Carefully remove all components from the packaging. Retain packaging for future storage or transport.
2. **Clean:** Wash the water collection bottle, dust cap, and the interior of the distiller's heating chamber with warm soapy water. Rinse thoroughly.
3. **Assemble Collection Bottle:** Attach the handle to the glass collection bottle using the provided metal bands and screws. Ensure it is securely fastened.
4. **Install Carbon Filter:** Open the nozzle on the distiller's outlet. Insert one activated carbon package into the filter compartment. Close the nozzle securely.
5. **Placement:** Place the distiller on a stable, flat, heat-resistant surface with adequate ventilation. Ensure the power cord can reach a grounded outlet without strain.
6. **First Run (Cleaning Cycle):** Before distilling water for consumption, perform a cleaning cycle. Fill the heating chamber with water up to the MAX fill line. Place the collection bottle under the outlet. Run the distiller for one full cycle. Discard this first batch of distilled water. This helps to remove any manufacturing residues.

4. OPERATION

Operating your Mophorn Water Distiller is straightforward:

1. **Fill Water:** Remove the fan top from the heating chamber. Fill the stainless steel heating chamber with tap water. Do not exceed the 'MAX' fill line.
2. **Replace Top:** Place the fan top back onto the heating chamber, ensuring it is seated correctly.
3. **Position Collection Bottle:** Place the water collection bottle directly under the distiller's outlet nozzle.
4. **Power On:** Plug the power cord into a grounded electrical outlet. The digital display will illuminate.
5. **Start Distillation:** Press the 'ON/OFF' button to start the distillation process. The heating element will begin to heat the water, and the fan will activate.
6. **Temperature Adjustment (Optional):** Use the 'Temp Adjuster' buttons (up/down arrows) to set your desired distillation temperature. The distiller will automatically shut off when this temperature is reached. The default setting is usually sufficient for most users.
7. **Monitor Progress:** The distiller will operate until the water in the heating chamber has evaporated or the set temperature is reached. Distilled water will drip into the collection bottle.
8. **Automatic Shutoff:** The distiller will automatically shut off when the water level is too low or the set temperature is reached, preventing dry burning.
9. **Cool Down:** After the cycle is complete, unplug the unit and allow it to cool down for at least 30 minutes before handling or refilling.
10. **Collect Water:** Once cooled, carefully remove the collection bottle with the freshly distilled water.

INTELLIGENT CONTROL PANEL

Shut off automatically when reaching the setting temp



Temp > 226.4°F



Auto Shut Down



Reduce Limescales



Figure 4.1: Intelligent Control Panel

5. MAINTENANCE

Regular cleaning and maintenance will ensure optimal performance and longevity of your distiller.

5.1 Daily Cleaning

- After each use, once the unit has cooled, discard any remaining water from the heating chamber.
- Wipe the interior of the heating chamber with a soft cloth to remove any loose residue.
- Rinse the collection bottle.

5.2 Descaling (Weekly/Bi-weekly, depending on water hardness)

Mineral deposits (limescale) will accumulate in the heating chamber. Use the provided cleaning powder (citric acid) to descale the unit:

1. Ensure the distiller is unplugged and cooled.
2. Pour approximately 1 liter (0.26 gallons) of warm water into the heating chamber.

3. Add 1-2 tablespoons of the cleaning powder (citric acid) to the water.
4. Stir to dissolve the powder.
5. Place the fan top back on the unit. Do NOT place the collection bottle under the outlet.
6. Plug in the distiller and press the 'ON/OFF' button to start a cycle. Let it run for 15-30 minutes, or until the deposits loosen.
7. Press 'ON/OFF' to stop, then unplug the unit and allow it to cool.
8. Carefully pour out the cleaning solution. Use a soft brush or cloth to scrub away any remaining deposits.
9. Rinse the heating chamber thoroughly several times with clean water to remove all traces of the cleaning solution.
10. Perform a full distillation cycle with clean water and discard the distilled water before resuming normal use.

5.3 Carbon Filter Replacement

Replace the activated carbon filter every 2-3 months, or as needed, to maintain water purity and taste.

- Ensure the distiller is unplugged and cooled.
- Invert the distiller lid and remove the nozzle.
- Remove the old carbon package and dispose of it.
- Insert a new activated carbon package into the nozzle.
- Reattach the nozzle to the distiller lid, ensuring it clicks into place.

6. TROUBLESHOOTING

If you encounter issues with your Mophorn Water Distiller, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Distiller does not turn on.	No power; loose connection; unit overheated.	Check power plug and outlet. Ensure unit is cooled down if it recently shut off due to overheating.
No water distilling.	No water in heating chamber; fan top not properly seated; heating element malfunction.	Ensure water is filled to MAX line. Check if fan top is securely in place. If problem persists, contact support.
Distilled water has an unusual taste/odor.	Carbon filter needs replacement; initial cleaning cycle not performed; residue in collection bottle.	Replace activated carbon filter. Ensure first cleaning cycle was completed. Clean collection bottle thoroughly.
Unit shuts off prematurely.	Low water level; overheating protection activated; incorrect temperature setting.	Ensure sufficient water. Allow unit to cool. Check temperature setting on control panel.
Excessive mineral buildup in heating chamber.	Infrequent descaling.	Perform descaling procedure more frequently using the provided cleaning powder.

7. SPECIFICATIONS

Detailed technical specifications for the Mophorn Water Distiller:

Brand: Mophorn

Model Number: Mophorn Water Distiller

Power: 750W

Capacity: 4L / 1.1 Gallons

Distilled Water Output: 1 L/H (Liters Per Hour)

Material: Food-Grade 304 Stainless Steel (Interior), Borosilicate Glass (Collection Bottle)

Product Dimensions: 11"L x 11"W x 15"H (27.9cm L x 27.9cm W x 38.1cm H)

Item Weight: Approximately 0.01 Ounces (This seems incorrect, actual weight is likely higher, refer to product packaging for accurate weight)

Special Feature: Durable, Intelligent Temperature Control, Automatic Shutoff

Included Components: Water Distiller, Water Collection Bottle, Dust Cap, Cleanser (Citric Acid Powder), Activated Carbon Packages

UPC: 789458196038



Figure 7.1: Product Specifications and Included Items

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your Mophorn Water Distiller, please refer to the warranty card included with your product or contact the manufacturer directly. Contact details can typically be found on the product packaging or the manufacturer's official website.

