

# 2-in-1 Boiling Water System



## Installation & User Guide

Go Through This Guide Before Starting The Installation



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# Instruction

Thank you for choosing our 2-IN-1 Boiling Water system. This product has been meticulously designed and manufactured to meet the highest standards of quality. When installed and maintained according to the instructions provided, it will offer you a long-term dependable service.

## The Operation of The 2-IN-1 Boiling Water System

The boiling water dispenser heats the water electrically to approximately 98°C and maintains this temperature. When boiling water is dispensed, fresh water flows back into the tank and is automatically reheated. Should the entire volume of boiling water be used, the heating process takes around 10 minutes.

### Compatibility Notice:

This electronic tap is exclusively compatible with:

Boiling Water Dispenser (Electronic tap type)

Electronic signal protocols prevent interoperability with third-party units.

## **Users**

The Boiling Water Dispenser may be used by children over the age of 8 and people with reduced physical, sensory or intellectual capacity if they are supervised or have been told how to use the device safely. People who are not familiar with the water system must be told how to use it safely and informed of the potential hazards associated with the use of the Boiling Water Dispenser.

Notice: Improper use may cause injury. Prevent children from playing with the tap, and do not let children clean or maintain the product without supervision. Keep the plug and the cable out of the reach of small children.

## **Ventilation**

To ensure a stable operating environment, it is important to effectively expel hot air from the cabinet.

It is recommended to install a forced ventilation system in the cabinet to enhance airflow and improve heat dissipation.

To prevent potential performance issues, it is best to avoid prolonged operation in environments exceeding 35°C, as high temperatures may accelerate internal component wear and increase the risk of failure.

If the cabinet temperature is expected to exceed 35°C, additional ventilation measures should be considered.

# Warnings

1. Keep away from heat, sunlight, open flames, and incandescent materials.
2. Do not expose to temperatures above 50°C.
3. Do not pierce or incinerate, even when empty.
4. Avoid impact or mechanical shock.
5. Use only in upright position with the supplied pressure regulator.
6. High gas concentration may cause asphyxiation – ensure adequate ventilation.
7. If multiple cylinders are present, the required room volume must increase proportionally.
8. Ventilated areas include open spaces such as kitchens or living rooms.
9. Installation must be performed by a qualified technician.
10. Ensure the power outlet and cable are safely positioned and clearly visible for connection.
11. Steam or boiling water may discharge from the tap vent outlet. If not using a font, position the tap to dispense directly into a sink bowl.
12. Lift with care. Seek assistance if the unit is too heavy or awkward to handle.
13. Do not lift the unit by the front cover or any attached connections. Refer to packaging for weight information.
14. Operates in ambient temperatures of 5°C – 43°C. Ensure adequate air circulation and fit the supplied vent kit.
15. Boiling point varies by altitude. The unit displays the temperature at actual boiling.
16. If the water pressure exceeds 4 bar, install a pressure-reducing valve to protect the internal tank, especially for boiling water dispensers.

# Safety & Installation Requirements



WARNING

- This appliance must be installed, operated, and maintained in accordance with the manufacturer's instructions to ensure safe operation.



DANGER  
Flammable

- The system may dispense high-temperature water. Check local regulations and installation requirements to determine if additional temperature control is necessary.



DANGER  
Hot Temp.

- The machines must be earthed via the supplied power cord.



DANGER  
Electric shock

- Use only the supplied power cable. It is the installer's responsibility to ensure the power outlet is correctly earthed and accessible post-installation.



CO<sub>2</sub> Gas  
WARNING

- All installation and service work must be carried out by trained and qualified personnel. Unauthorized work may void the warranty.

- Installers must provide and install all valves as required by local codes and standards.

- Do not remove the appliance cover without first disconnecting the unit from the power supply.

- Do not install the unit outdoors or clean with water jets.

- The unit must not be exposed to weather or extreme environmental conditions.

- Assess risks before using tools or handling components, especially compressed CO<sub>2</sub>.

- The vent tray (if provided) must be installed to allow safe exhaust of refrigerant gas in the unlikely event of a leak.

- Always flush a new filter before use.

- Do not overtighten plumbing or hose connections.

- Supplied braided hoses must not be extended.

- Do not proceed with a CO<sub>2</sub> cylinder change if seals are damaged.



WARNING

•Avoid cross-threading the regulator.



DANGER  
Flammable

•Do not exceed the standard CO<sub>2</sub> operating pressure of 4.5 bar.CO<sub>2</sub> systems must be handled with care and in accordance with safety guidelines.



DANGER  
Hot Temp.

•Ensure the power cord is not trapped or damaged during installation.



DANGER  
Electric shock

•If damaged, it must be replaced by a technician or qualified electrician.



CO<sub>2</sub> Gas  
WARNING

•Do not position multiple portable power outlets or supplies behind the appliance.

•Do not place multiple portable socket-outlets or power supplies behind the appliance.

•For optimal water taste and quality, flush the system after any period of non-use exceeding 72 hours.

•Always use the new hose set provided with the unit. Do not reuse old hoses.

•Before first use, all air inside the tank must be purged. Even if some functions are not required, all pipelines must be connected during initial setup. Once the system is filled with water and cooling is successfully completed, unused outlets can be blocked.

•This system must be used with the designated tap and main unit as a set; it will not operate otherwise.

# Technical Specifications

## Boiling Water Dispenser

Model	B32CA-E B32CB-E B32CE-E	B32CU-E
Voltage	220V-240V~50Hz	110V-127V~60Hz
Wattage	1500W	1300W
Temp.Setting	45°C-98°C	113°F-208°F
Working Temp.	10°C-43°C	50°F-110°F
Capacity	3.2L	
First Heating Time	10mins	
Working Pressure	0MPa/0 psi	
Water Pressure	0.15-0.6MPa/21.76-87 psi	
Water Flow Initiation	2 L/min	
Water-proof	IP22	
Heating Element	Aluminum Alloy	
Tank Material	SUS 304	

## Tap

Model	TB21EA
Tap Hole Size	35mm
Working Temp.	45-98 °C
Material	Alloy+ABS

# Contents of Package

## 1. Boiling Water tap\*1

- a. Boiling water inlet hose (1/4" quick connector)\*1
- b. Boiling water outlet hose (G3/8 connector)\*1
- c. Signal Wire\*1

## 2. Boiling water dispenser\*1 & Filtered water inlet hose\*1

### 3. a. Base rubber pad\*1

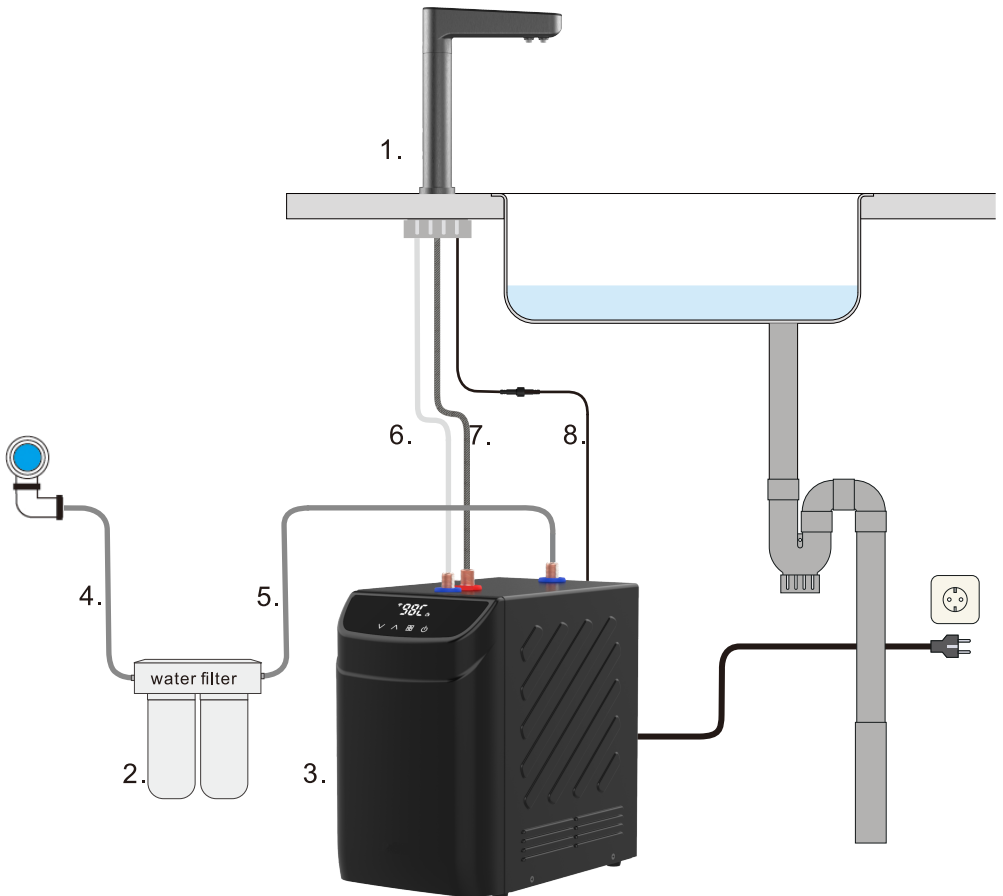
- b. Stainless steel pressing plate\*1
- c. Tube sleeve\*1

## 4. Water Filter \*1(Optional)



# Completed Connection Diagram

1. Electronic Tap
2. Water Filter
3. Boiling Water Dispenser
4. 1/4" filtered water tubing
5. 1/4" filtered water tubing
6. 1/4" filtered water outlet tubing
7. G3/8 boiling water outlet thread tubing
8. Signal wire of boiling water dispenser

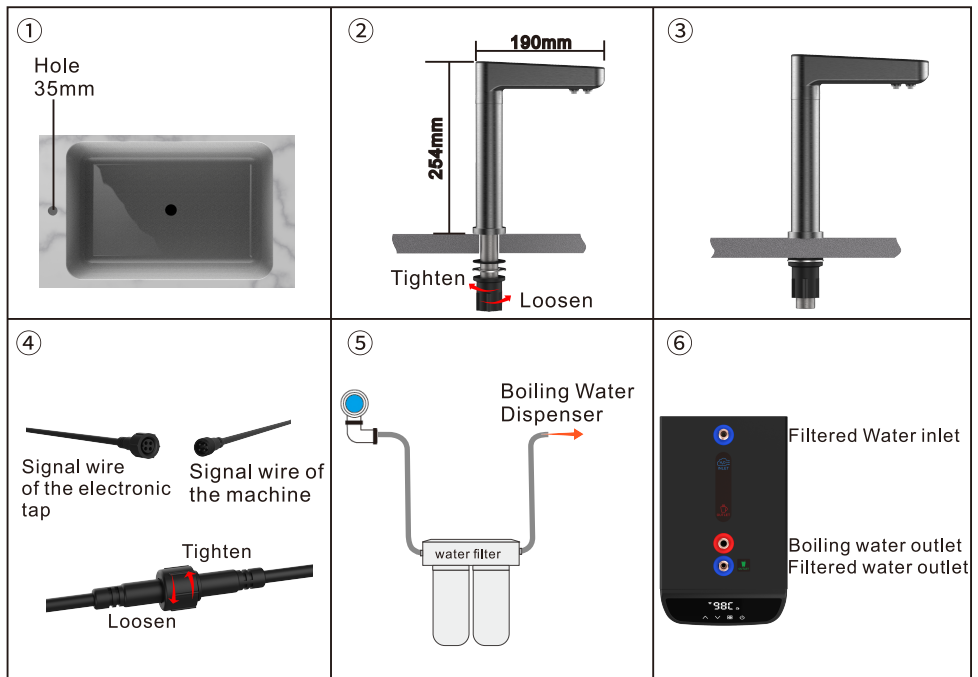


# Completed Connection Diagram

1. Choose an appropriate location for the mixer tap. Use the correct drill bit to drill a 35mm hole through the worktop.
2. Place all the accessories in the order shown in the diagram 2.
3. Tighten the sleeve in a clockwise direction.
4. Align the positions and connect both ends of the signal wire. Tighten the fixings in the direction indicated in the diagram 4.
5. Connect the pipe after the water filter.
6. Remove the protective cap and connect the pipe according to the labels.

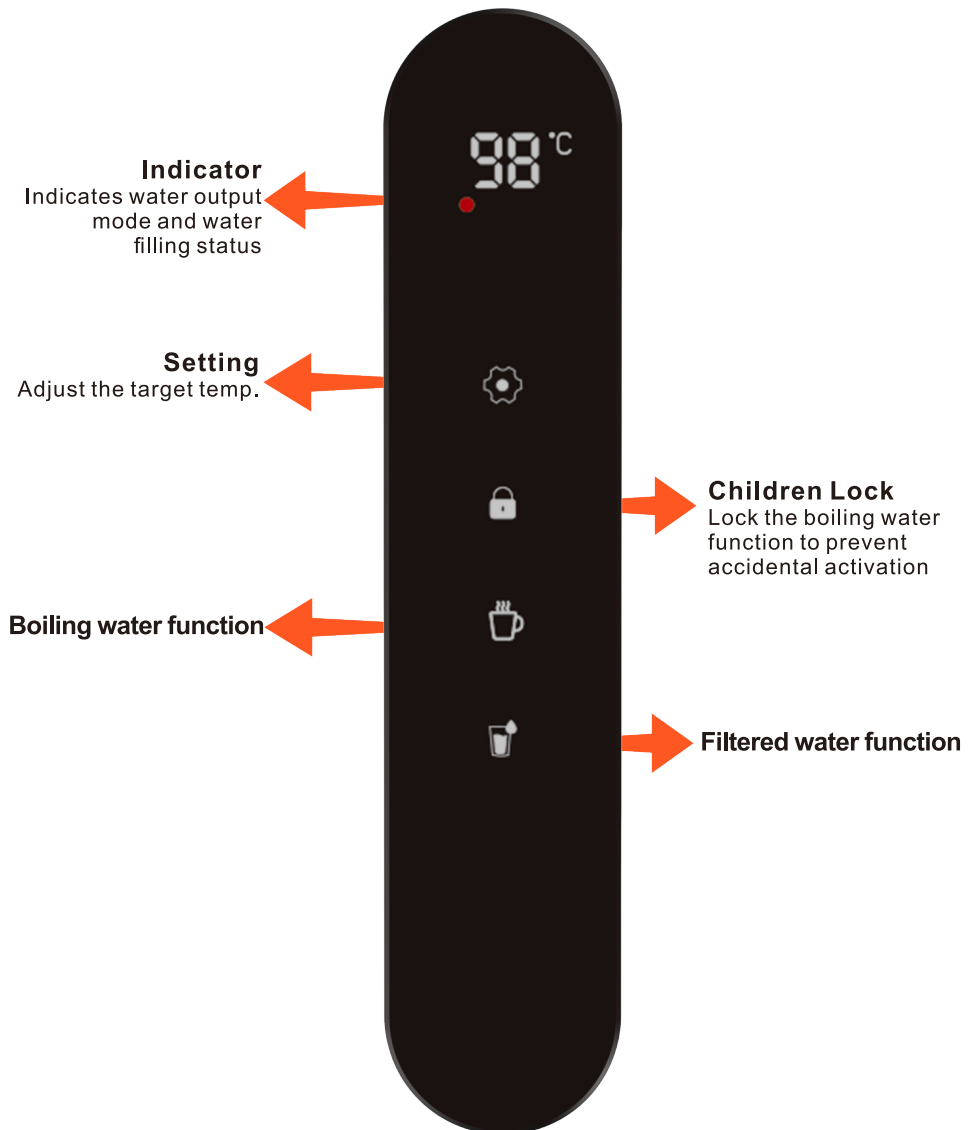
## Activate the 2-IN-1 system:

1. Then plug in the machine. Turn on the machine.
2. Open the water valve, press the “☞” and “☞” buttons until the red light stops flashing, and release.











# Icon Description Guide

## 2-IN-1 Electronic Tap








# Icon Description Guide

## Boiling Water Dispenser

Icon	Name	Function description
	On/Off Button	Turn on/Turn off the device.
	Switch Button	Switch temperature unit.
	Adjust Button	Increase set temperature.
	Adjust Button	Decrease set temperature.
	WiFi Light	WiFi Light is steady when connected. Flashes during network configuration. Not shown without WiFi.
	Temp. Display	Displays the real-time water temp. When entering temp. setting mode, it shows the set temp.
	Child Lock	Child lock icon on: buttons disabled. Unlock to restore functions.
	Heating	The light is on during heating.

# Icon Description Guide

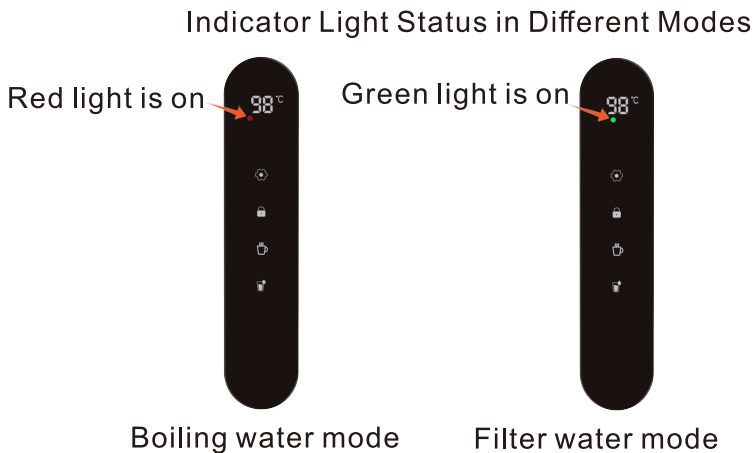
## 2-IN-1 Electronic Tap

Icon	Button Name	Press	Function description
	Pure Water	Short	To activate: Press button (blue lights on) To deactivate: Press again (blue lights off)
	Children Lock	Long	Hold until the child lock light goes off to unlock.
	Boiling Water	Short	To activate: Press button (red lights on) To deactivate: Press again (red lights off) (Unlock the children lock before using boiling water. The system will automatically lock after inactivity.)
	Initial water filling	Long	Blue + red lights on → filling active. Hold both buttons to stop (lights off).
	Setting	Short	Adjust the set temperature.
		Long	Toggle temperature control between machines.

# Operating Instructions

## 2-IN-1 Electronic Tap

1. Different colored lights indicate different water output modes: red for boiling water, and green for filtered water.



2. With the device powered on, press and hold the setting button until the temperature display flashes to enter setting mode. Short press the button to adjust the temperature. Once the desired temperature is reached, release the button, and the setting is complete when the display stops flashing.

3. Screen saver function: In standby mode or with no activity, the screen brightness will automatically dim, showing only the current temperature and indicator lights.

4. Power-off memory function: The system will remember the settings and status from the last shutdown each time it is powered on.

5. Child Lock Function: To use boiling water, the faucet must be unlocked

first. Press and hold the child lock button until the child lock indicator light turns off and the boiling water button light starts flashing. Press the boiling water button to dispense water.

Note: Hot water outlet locks when not in use for safety.

6. When the unit is powered on, press and hold the Setting button for 3 seconds until the temperature display starts flashing, indicating that the temperature setting mode is activated.

① Adjusting Temperature:

Briefly press the Setting button to increase the temperature in increments of 5°C (consistent with the main unit's operation logic).

② Confirming the Setting:



Once the desired temperature is reached, stop pressing the button. The display will stop flashing after a few seconds, confirming that the new temperature setting has been saved.

Note: The temperature setting process follows the same logic as the main water dispenser unit.


7. Exclusive Mode: Only one type of water can be dispensed at a time.


# Operating Instructions


## Boiling Water Dispenser




1. Power On/Off: In the off state, press and hold “” to turn on; in the on state, press and hold “” to turn off.




2. Temperature Setting: In the on state

Press “” to increase the temperature from the current setting by increments: 45°C, 50°C, ... 95°C,96°C,97°C,98°C.

Press “” to decrease the temperature from the current setting by increments: 98°C, 97°C, 96°C,95°C...50°C,45°C.

3. Temperature Unit Switch: In the on state, press and hold “” to toggle between Celsius (°C) and Fahrenheit (°F).

4. Child Lock Setting: In the on or off state, press and hold both “” and “” simultaneously to activate the child lock “” (the lock icon will light up, and the buttons will be disabled).




To deactivate, press and hold both “” and “” again to turn off the child lock “” (the lock icon will go out, and the buttons will be functional).

5. WIFI Setup(Optional): When the machine has a WIFI module, it can be connected to WIFI and controlled through the mobile app,



(Scan one of the QR codes to download the WiFi control software.)

including power on/off, temperature setting, time setting, Celsius /Fahrenheit display toggle, and monitoring the machine’s status (the machine must be connected to the internet for WIFI functionality).


In the off state, press and hold “” for WIFI pairing. Once connected successfully, the WIFI icon “” will light up; if there is no network or pairing fails, the WIFI icon “” will blink.


6. First Use: For first-time use, connect the water source and allow water to flow into the machine for about 3 minutes before connecting the power.

7. Water Protection: The water level is monitored; if there is no water or the water level is low, the display will show 'E0' and the machine will not work. Once the water level is normal, 'E0' will disappear, and the machine will resume normal operation.

8. Screen Saver: If the user does not interact with the panel for a while, the machine will enter screen saver mode, and the screen brightness will dim.

9. Power-off Memory: If the machine loses power and is powered back on, it will retain the settings before the power outage. After each power-off, the machine will start in the off state once powered back on.

10. Heating Conditions: When the machine is turned on, it will start heating after a short delay, indicated by the boiling icon “” .

Once the water reaches the set temperature, the heating stops, and the icon “” goes off. If the water temperature exceeds the set temperature by 5°C, the machine will resume heating to the set temperature.

11. Remote Control (for models with remote function): The remote control can turn the machine on/off, set the water temperature, and toggle between Celsius and Fahrenheit.

# Troubleshooting Guide

## 2-IN-1 Electronic Tap / Boiling Water Dispenser

<b>Boiling Water Dispenser' Problem (●Red light)</b>		
<b>Fault</b>	<b>Possible Cause</b>	<b>What To Do</b>
The screen is off.	The power supply is not connected.	Check if the power is connected.
	The adapter has no power output.	Check the power adapter.
	The display or PCB board is damaged.	Replace the display screen or PCB board.
E0	The water supply is not connected.	Check if the water source is connected.
	The water level is low.	Turn the hot water tap knob and fill the tank until water flows from the tap.
E3	Middle temperature sensor short circuit or open circuit.	Check the temperature sensor installation.
		Replace the temperature sensor.
E4	Top temperature sensor short circuit or open circuit.	Check the temperature sensor installation.
		Replace the temperature sensor.
EL	Unit-faucet communication lost.	Check if the signal cable is disconnected.
		Check if accidentally entered setup mode, reselect the correct model on the tap.

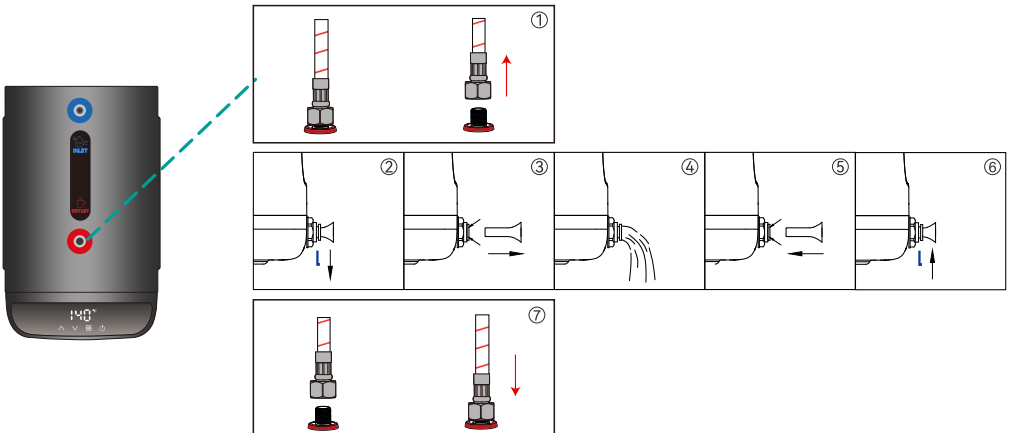
# Maintenance

## Boiling Water Dispenser

- **Cleaning the Exterior:** Regularly wipe the outer surface with a soft, damp cloth. Do not use corrosive cleaners or abrasive brushes, as they may damage the finish.
- **Preparing for Extended Non-Use (Draining the Unit):** If the unit will not be used for a long period, follow these steps to shut off power, disconnect water, and drain all stored water:

- ① **Turn Off & Cool Down:** Disconnect the power and shut off the water supply valve. Wait for the water inside the unit to cool down completely. Use the yellow plastic wrench to unscrew the red braided hose's hex socket fitting.
- ② Remove the locking clip from the drain outlet at the rear.
- ③ Press the top of the drain fitting (arrow direction) and remove the flare plug.
- ④ **Drain the Water:** Press the top part of the drain outlet connector as indicated by the arrow, and pull out the flared plug. Place a container under the drain port to catch the water (or attach a 1/4" PE tube to drain water directly into a sink). Wait until water stops flowing from the drain port.
- ⑤ Reinsert the flare plug into the drain fitting.
- ⑥ Secure with the blue locking clip.
- ⑦ Use the yellow plastic wrench to tighten the braided hose back onto the hot water dispenser's outlet.

NOTE: Draining the inner tank takes approximately 2 to 3 minutes.



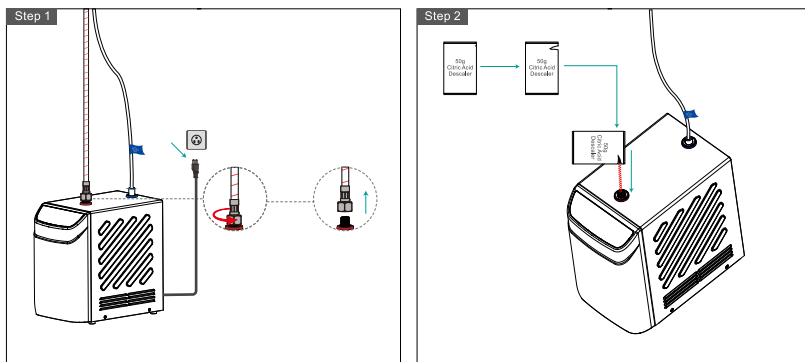
- To extend the product's lifespan and enhance its performance, we recommend cleaning the inner tank regularly (every 6-12 months) for the following reasons:

1. Removes scale buildup, improving heating efficiency and saving electricity.
2. Ensures drinking water hygiene.
3. Extends the appliance's service life.

Step 1: With the hot water dispenser's power disconnected, use the yellow plastic wrench to unscrew the red braided hose's hex socket fitting.

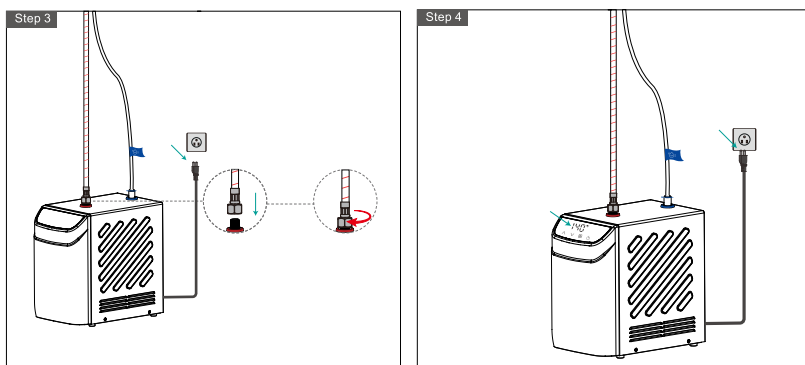
Important: Do not disconnect the hose immediately after heating, when the tank is hot. You must disconnect it only when the water temperature is low to avoid scalding.

Step 2: Prepare 50g of Citric Acid Descaler in advance. then pour it into the hot water dispenser's hot water outlet.



Step 3: After pouring in the citric acid descaler, use the yellow plastic wrench to tighten the braided hose back onto the hot water dispenser's outlet.

Step 4: Plug in the hot water dispenser and fill it completely with water. Turn on the unit and set the temperature between 140°F (60°C) and 158°F (70°C). Allow the hot water dispenser to gradually heat up to the preset temperature until it automatically stops heating. Let it sit for about four hour to allow the citric acid to work inside the tank.



Step 5: Turn off the power, then drain the tank completely by following the Maintenance-Drain the Water in page 14 to remove the hot water containing citric acid.

Important: After draining the tank, refill the hot water dispenser with clean water. (Refer to the Functional Description –Filling the Dispenser Tank in page 19 for detailed steps.) Keep the faucet fully open during refilling, allowing water to flow continuously for 5-6 minutes to flush out any remaining residue. Then close the faucet and resume normal heating operation.

## End of Life Disposal



### Waste electrical and electronic equipment

The symbol above indicates that, in accordance with applicable laws and regulations, your product and/or its battery must be disposed of separately from household waste. When the product has reached the end of its life, please take it to a collection point designated by local authorities.

Separating your product and/or its battery for recycling at disposal helps conserve natural resources and ensures it is recycled in a way that protects human health and the environment.

## Installation, Maintenance and Warranty

This guide assumes that the 2-IN-1 Boiling Water system has already been installed.

Please ensure that the installation procedure is followed correctly, according to the type of devices currently in use.

To install the 2-IN-1 Boiling Water system, a main water connection and an available power socket are required.

This water system is covered by a one-year warranty for the entire unit and a two-year warranty for the inner tank, which covers defects or damages due to manufacturing faults. Under normal use, eligible products will be repaired or replaced free of charge. The warranty does not cover damages resulting from improper use, accidents, natural disasters, or unauthorized repairs or modifications.

