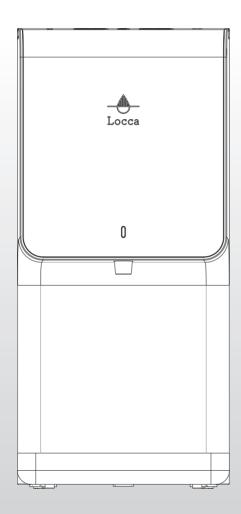
# **Purified Water Dispenser Instruction Manual**





## Model LC24D1S-PW-AW

# **Contents** ●Safety Precautions ······1~2 ■Parts Names ……… 3~4 Product Specification …… 5 ●Initial Installation ······ 6~8 ●How to Use ...... 9~10 How to Replace the Water Purification Cartridge .....10~11 ●Regular Cleaning ····· 12 Other Precautions ..... 13 ●Error Displays ······13 ●Troubleshooting ······14 ●Q&A ······ 15 Please be sure to read this manual before installation (before turning on the power). Please check the included items Instruction Manual ■ Water Purification Cartridge ☐ Drip Tray

Please check the included items above, and if you find any missing or damaged items, contact us using the information provided in this manual.

# Please be sure to read this manual carefully before installation

Please read this manual carefully before installation and ensure proper use of the product. After reading, make sure to store the manual in a place where it can be easily accessed by all users.

# Safety Precautions (Please follow them strictly)

This manual explains the precautions that must be observed to prevent harm to the user or others, as well as damage to property. Please carefully read all precautions mentioned in the text and ensure proper use of the product.

Ex	planation of Signs	Explanation of Symbols	
Danger	This indicates content that may "result in death or serious injury".	Prohibition	This indicates actions that are "prohibited".
Caution	This indicates content that may cause "minor injury or damage to property, such as the house or belongings".	Mandatory	This indicates actions which "must be followed"

#### ■During Installation

_				
	🗘 Danger (May cause electrical faults, fire, injury, etc.)			
0	•The water dispenser should be installed indoors in a location that is not exposed to direct sunlight. This may cause deterioration in functionality and potential electrical faults.			
0	<ul><li>Install on a level and stable surface.</li><li>An unstable surface may cause the water dispenser to fall over.</li></ul>			
0	•When using in a humid or wet location, please consult an electrician to install an earth (ground) or ground fault circuit interrupter.			
<u> </u>				
0	•When installing or moving the water dispenser, it is recommend to wear gloves to avoid injury from the corners of the product.			

#### ■Power Plug and Cord

	🗘 Danger (May cause electric shock, fire, burns, etc.)		
$\Diamond$	● Do not damage or bundle the cord.		
0	●Use the socket for an AC voltage of 220V to prevent fire incidents.		
0	●Make sure to insert the power plug fully and securely.		
$\Diamond$	●Do not use multiple power strips.		
0	•Unplug the power cord from the outlet when cleaning the rear of the unit.		
0	Periodically wipe off any dust on the power plug with a dry cloth.		
$\Diamond$	●Do not insert or remove the power plug with wet hands.		
$\Diamond$	●Do not use the power cord if it is damaged.		

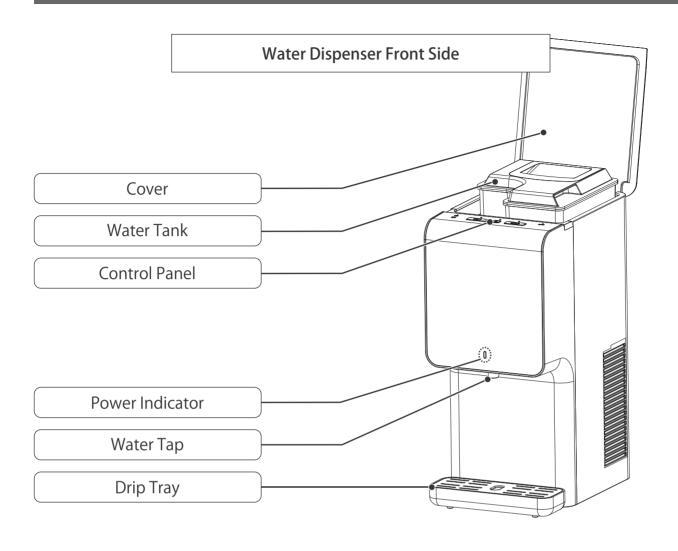
# Safety Precautions (Please follow strictly)

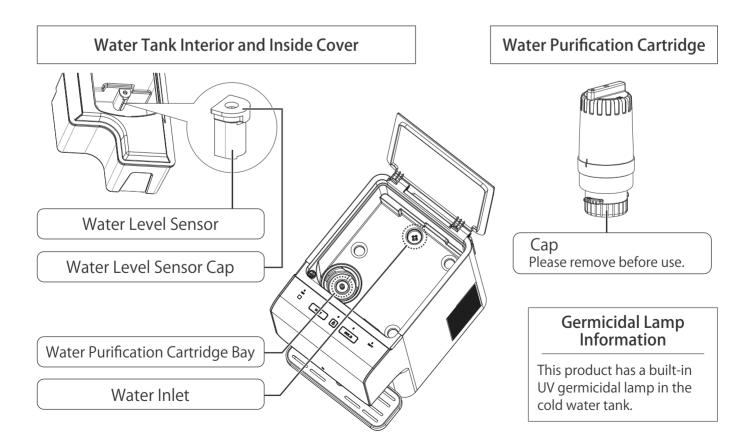
# ■During Use

🗘 Danger (May cause electric shock, fire, burns, etc.)		
•	●The hot water is extremely hot, please be cautious to avoid scalds.  Keep small children away from the hot water.	
$\Diamond$	<ul> <li>Do not use the drain outlet under normal circumstances.</li> <li>Improper operation may result in water leakage or scalding.</li> </ul>	
$\Diamond$	●Do not pour water onto the water dispenser.	
$\Diamond$	●Do not pour hot water into a glass.	
0	•When pouring water into a glass, be careful to prevent the glass from breaking.	
$\Diamond$	<ul> <li>Do not touch the heat sink on the back of the water dispenser.</li> <li>High temperatures may cause burns.</li> </ul>	
$\Diamond$	<ul> <li>Do not disassemble, modify or repair the water dispenser.</li> <li>This may have a negative impact on hygiene and may cause the water dispenser to malfunction or leak.</li> </ul>	

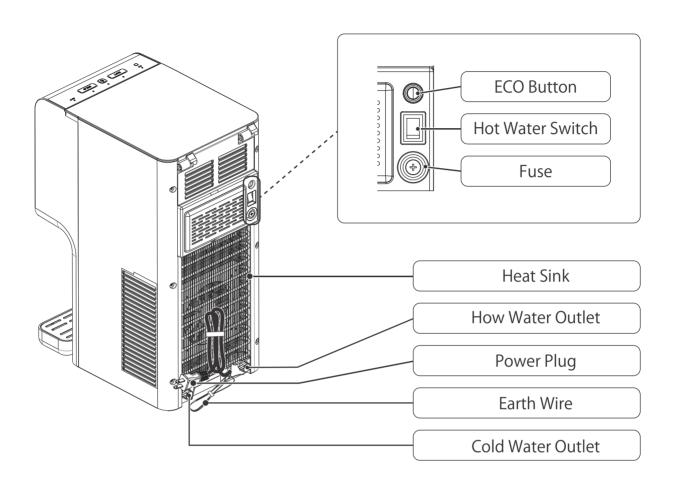
# ■Other Precautions

⚠ Caution			
•	• After installing or moving the water dispenser, wait for at least one hour before turning it on. Similar to a refrigerator, this time allows the cooling fluid to stabilize.		
0	•Ensure there is a distance of at least 15 cm between the rear, left, and right sides of the water dispenser and the wall. Insufficient space may cause heat buildup, leading to reduced functionality of the device. Additionally, static electricity may cause walls and curtains to accumulate dust.		
$\Diamond$	•Place the water dispenser on a level and stable surface to ensure that the drip tray is not elevated and sits securely If the drip tray is elevated or improperly seated, it may fall off.		
$\Diamond$	<ul> <li>Do not install the device near heat sources such as stoves.</li> <li>This may cause the device to deform or lose its functionality.</li> </ul>		
$\Diamond$	●Do not fill the water tank with tap water above 35°C.		
$\Diamond$	<ul> <li>Do not disassemble the water purification cartridge.</li> <li>Disassembling it may prevent it from functioning properly.</li> </ul>		
$\Diamond$	•Do not place items that are sensitive to water around the water dispenser (electronic devices, watches, leather products, books, etc.) Items placed nearby may malfunction or become damaged.		
$\bigcirc$	<ul> <li>Do not use thinner, benzene, or chlorine-based/acidic cleaning detergents.</li> <li>Doing so may cause cracks, electric shock, fire, or the emission of toxic gases.</li> </ul>		
0	•Always keep the hot water switch ON. If the hot water switch is OFF, the inside of the unit may become unsanitary and produce an odour due to bacterial growth.		
0	●Use tap water. Failure to do so may cause adverse health effects.		
0	<ul> <li>Clean the heat sink regularly to maintain optimal cooling efficiency.</li> <li>*To prevent burns, turn off the power and allow the unit to cool before cleaning.</li> </ul>		
0	<ul> <li>Use cold and hot water regularly.</li> <li>Regular use helps circulate the water in the internal tank and prevents water stagnation.</li> </ul>		

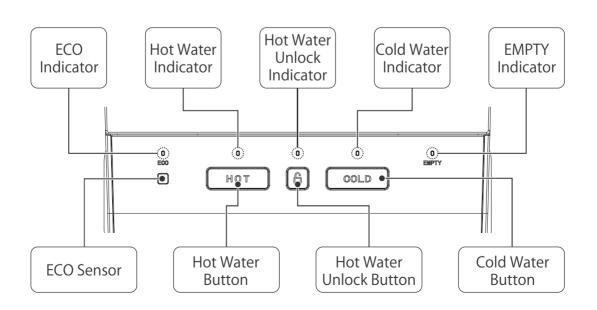




# Water Dispenser Rear Side



# Control Panel

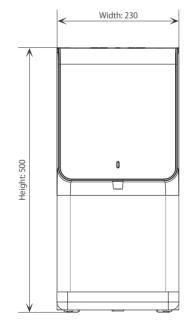


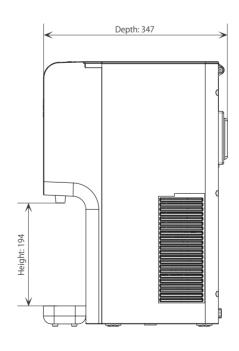
# **Product Specification**

# **Product Specifications List**

Product Name		Purified Water Dispenser	Purification	Free Residual Chlorine
Model Number		LC24D1S-PW-AW	Capacity	Chloroform
Dimensions Height x Width x Depth		500mm x 230mm x 347mm	Total Filtered	Bromodichloromethane
Unit Weight (including water tank)		12.8 kg	• Dibromochloromethane • Water Volume: 800L • Bromoform • Bromoform	
Rated Voltage		AC220-240V.50/60Hz		
Power Cord I	Length	1.8m	JIS S 3201	<ul> <li>Cis-1,2-Dichloroethylene and Trans-1,2-Dichloroethylene</li> <li>Tetrachloroethylene</li> </ul>
Rated Power		70W(0.66A) / 350W	Test Results	
Germicidal L	amp Power	3mW	• Trichloroethylene	
	Water Tank	ABS, Polypropylene, Silicone	• Benzen	Benzene     Total Trihalomethanes
Materials	Water Purification Cartridge	,		CAT (pesticide)  2-MIB (mold odour)  Soluble Lead  Anionic Surfactants  Phenols
Materiais	Cold /Hot Water Tanks	Stainless Steel		
	Main Panel	ABS		
	Water Tap	ABS		
Water Tank (	Capacity	3.0L		Geosmin
C 1 1 1 1 1 1	Tank Capacity	1.0L		Turbidity  Organofluorine Compounds (PFOS/PFOA)
Cold Water Function	Water Temperature	Approximately 5℃		
runction	Method	Forced Cooling Type		
Hot Water	Tank Capacity	1.0L		
Function	Water Temperature	Approximately 87°C		
Tunction	Method	Sheathed Heater		
Refrigerant		R-134a	Removal Rate: 80%	
Overtemperature F	Protection (Safety Device)	Bimetallic Strip		
Recommended C	Operating Temperature		Total Filtered	Carbon Tetrachloride
Water		Tap water	Water Volume: 600L	• 1,1,1-Trichloroethane
Filter Media	Туре	Activated Carbon, Polypropylene (PP), Cellulose, and Polyethylene Terephthalate (PET)	Removal Rate: 80%	
Filtration Flo	w Rate	1.2L/min	Total Filtered	Al
Filter Media Re	eplacement Period	Approximately 8 Months (when using 3.3L per day)	Water Volume: 100L	Aluminium     Iron (soluble)
Notes on Usa	age	●Use tap water.	Removal Rate: 80%	Mercury
j		●Do not use well water.	nemovarnace oo75	• 1,2-Dibromo-3-Chloropropane
		●The filter replacement period varies depending on water		Diazinon
		usage, quality, temperature, and other factors.		Ethylbenzene
		lacktriangleDo not filter tap water above 35°C.		• Xylene
		Do not store purified water for long periods. Use it promptly.		• Toluene
		Do not install in areas prone to freezing.		Dichloroacetonitrile
		Do not use for fish farming or similar purposes.		
		● Dispose of used purification cartridges as plastic waste.		

<sup>\*</sup>Product specification may be improved in the future and change without notice.





## **Initial Installation Procedure**



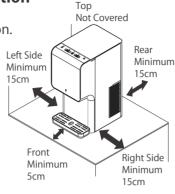
### **Installation Location**

Check the installation location.

#### Required Space

To maintain cooling performance and allow space for water filling, follow these installation recommendations.

Тор	Not Covered
Front	Minimum 5cm *1
Rear	Minimum 15cm
Left Side	Minimum 15cm
Right Side	Minimum 15cm



<sup>\*1</sup> To prevent the drip tray from falling, ensure it is within the footprint of the tabletop.

#### 

Placing the unit near strong odours may cause the smell to transfer to the water.



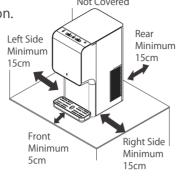




# Precautions When Moving

When moving the water dispenser, firmly hold the area near the water tap at the front and the protruding part at the back.

Avoid sliding or dragging the dispenser on surfaces that are prone to scratching.



#### **Recommended Operating Temperature**

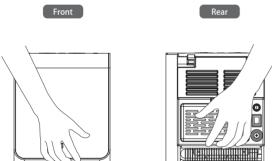
To cool water efficiently, it is recommend to use the product in an environmental temperature range of 5°C~35°C.

#### Locations Suitable for Installation

· A level and stable place

#### Locations Unsuitable for Installation

- On uneven surfaces
- Weak surfaces (e.g., tatami mats, cushioned flooring, carpets)
- Locations that block passageways or access to disaster prevention equipment (e.g., fire extinguishers)
- · Locations exposed to direct sunlight
- · Near heat-generating appliances
- Locations prone to water splashes
- Outdoors



## **A** Caution

Allow the cooling fluid to stabilize by waiting at least one hour before turning on the water dispenser after delivery.

The same applies after moving the dispenser.



## How to Attach the Earth Wire

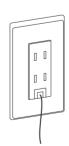
To prevent electric shock, it is recommended to attach the earth wire.

#### If the power outlet has an earth terminal

Attach the tip of the earth wire to the earth terminal. The earth terminal can also be shared with other electrical appliances currently in use, such as air conditioners, refrigerators, microwave ovens, or washing machines.



It is recommended to make provisions for a earth terminal to prevent electrical faults. Please consult a local electrician.



#### **⚠** Installation Precautions

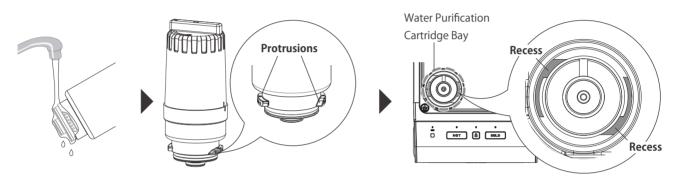
Do not connect to gas pipes, water pipes, lightning rods, or telephone grounding wires.

# **Initial Installation Procedure**

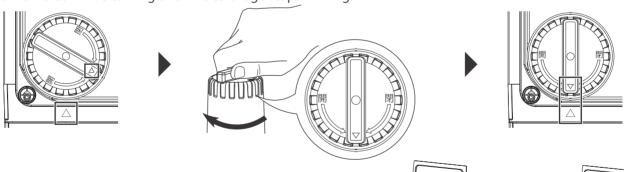
# 3

## **Installing the Purification Cartridge and Water Tank**

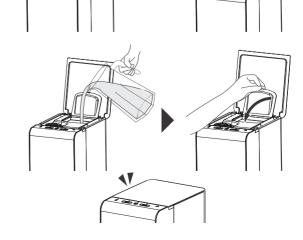
- Open the cover of the water dispenser and remove the water tank.
- \*Rinse lightly before filling with tap water.
- 2 Remove the packaging and the cap from the water purification cartridge.
- How to hold the water tank
- 3 Moisten the bottom of the water purification cartridge with tap water, then align the two protrusions (see diagram below) with the two recesses in the cartridge bay and insert it.



**4** Press the water purification cartridge straight down and turn it in the direction of " 閉 " until the  $\nabla$  symbol aligns with the  $\triangle$  on the main unit. Continue turning until the cartridge stops moving.



- 6 Attach the water tank to the water dispenser and open the lid.
- **6** Use a pitcher or similar container to fill the water tank with tap water, then close the lid.
  - \*The water tank capacity is 3 litres.



**7** Close the water dispenser cover.

# 4

## **Initial Water Filling**

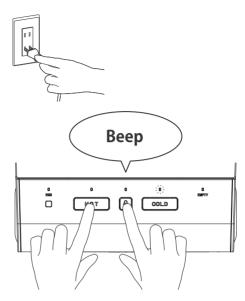
- Plug the power cord into the outlet.

  When the power is turned on, a beep will sound, and all the lights will illuminate briefly before turning off.

  The power light on the front and the cold water light on the control panel will illuminate again.
- 2 Press and hold HOT and Simultaneously for 5 seconds.

When the unit beeps, the water filling process will begin.

3 After approximately 2 to 3 minutes, another beep will indicate the completion of the process.



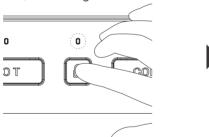
\*If the water level in the tank becomes low during the process, the EMPTY indicator will illuminate, a beep will sound, and the process will stop. Refill the tank until the EMPTY indicator turns off, then repeat steps 2 and 3.



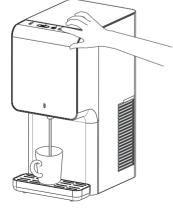
# **Check Water Dispensing**

• Press and hold • for about 3 seconds.

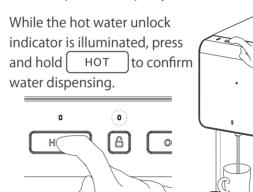
The hot water unlock indicator above the button will illuminate, indicating the lock is released.



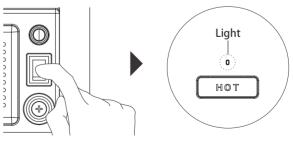
2 Press COLD to confirm water dispensing.
Continue holding COLD until water flows.



\*Place a cup on the drip tray.



3 Turn on the hot water switch on the rear. The hot water indicator will illuminate. After about 40 minutes, both cold and hot water will reach the optimal temperature.



\*During initial installation, air in the system may cause a delay in water dispensing.

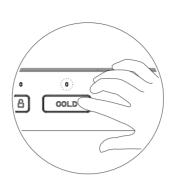
\*When using for the first time, you may notice an unusual smell or taste in the water. If this happens, fill the water tank and dispense all the cold and hot water before use. If the issue persists, repeat the procedure to dispense all the cold and hot water.

## How to Use

### **Dispensing Cold Water**

Press and hold COLD to dispense cold water.

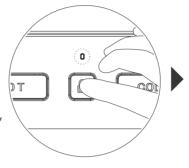
• The water will stop when COLD is released.





#### **Dispensing Hot Water**

- Press and hold the button for about 3 seconds. The lock will be released when the hot water unlock indicator above the button illuminates.
- **2** While the hot water unlock indicator is illuminated, press and hold HOT to dispense hot water.
- The water will stop when HOT is released.





#### Hot Water Unlock Button

### How to Unlock

Press and hold the button for about 3 seconds, the hot water unlock indicator will illuminate and the lock will be released.

### Lock

The hot water unlock indicator will automatically return to the locked state after about 5 seconds.

#### 

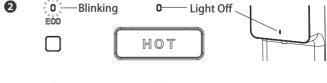
There is a delay between releasing the hot water button and the water stopping. Be cautious to avoid scalds when using hot water.

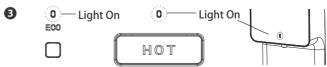
#### ECO Mode

When ECO mode is turned on, the ECO sensor detects light and reduces hot water power consumption when the room is dark, such as at night.

- **1** Turn on the ECO button on the rear of the unit.
  - → The ECO indicator will illuminate.
- When the room becomes dark, the ECO indicator will slowly blink, and the unit will enter ECO mode.
  - → The hot water indicator and power indicator will turn off.
- 3 When the room becomes bright, the ECO indicator will change from blinking to steady illumination.
  - → The hot water indicator and power indicator will illuminate.







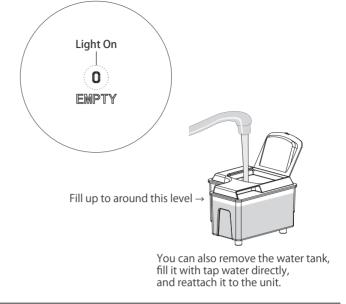
<sup>\*</sup>Hot water may be lukewarm immediately after the room becomes bright, but this is not a malfunction.

When the room brightens, ECO mode is deactivated, and the hot water heater starts operating. Please wait for a while, and the water will heat up.

### Refilling the Water Tank

When the EMPTY indicator on the right side of the control panel illuminates, it means the water tank needs refilling. Use a pitcher or similar container to pour tap water into the tank.



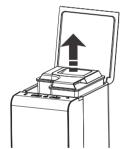


Be careful not to lose the water level sensor and its cap inside the water tank.

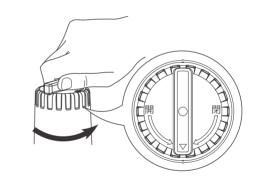
# **Replacing the Water Purification Cartridge**

# \* Replace every 8 months.

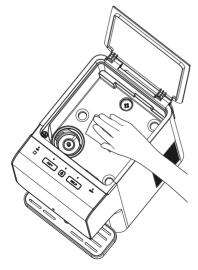
• Remove the water tank and twist the water purification cartridge in the direction marked " 開 " on the top to unscrew and detach it.

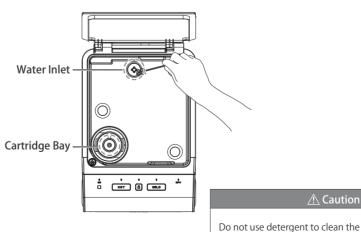






2 Wipe the inside of the cover with a dry cloth, and use a fine brush or similar tool to clean the water inlet and cartridge bay.





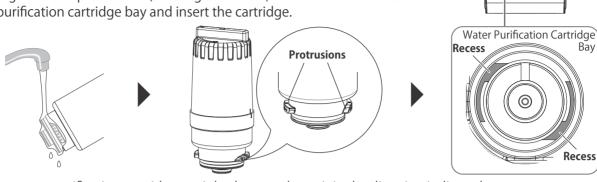
Do not use detergent to clean the inside of the cover.

# **Replacing the Water Purification Cartridge (Continued)**

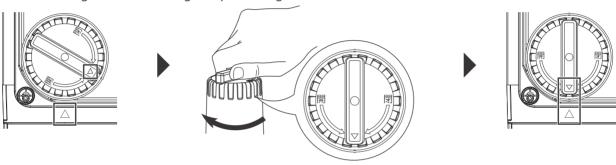
- 3 Install a new water purification cartridge.
  - 1. Remove the packaging and cap from the new water purification cartridge.

    Moisten the bottom of the water purification cartridge with tap water in advance.

    Then, align the two protrusions (see diagram below) with the two recesses in the water purification cartridge bay and insert the cartridge.



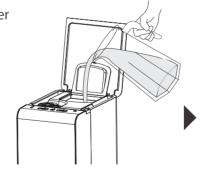
2. Press the water purification cartridge straight down and turn it in the direction indicated by "Close【閉】" until the  $\nabla$  symbol aligns with the  $\triangle$  symbol on the main unit. Continue turning until the cartridge stops moving.



- 4 Attach the water tank and fill it with tap water.

  \*Please clean the water tank before attaching it.

  Please refer to page 12, "Request for Regular Cleaning," for details.
  - 1. After attaching the water tank, open the water tank lid.
  - 2. Use a pitcher or other container to pour tap water into the water tank and close the lid.
  - \*The water tank has a capacity of 3 litres.
  - \*Alternatively, you can remove the water tank, fill it directly with tap water, and then re-install it to the unit. Please refer to page 10,
  - "Water Tank Filling" for details.





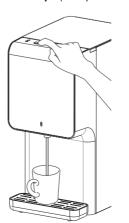
- **5** Check the water flow \*Place a cup on the drip tray.
  - 1. Check the hot water flow.

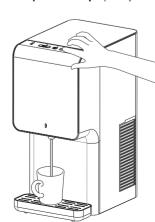
    Press and hold the button for about 3 seconds.

    The lock will be released when the indicator light above the hot water unlock button is illuminated.

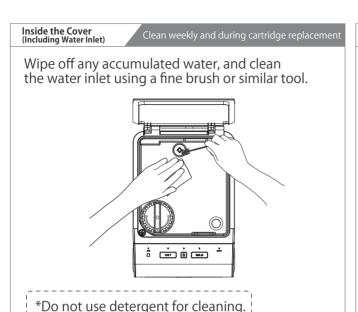
    While the hot water unlock indicator is lit, press and hold HOT to check that hot water is dispensed.
  - 2. Check the cold <u>water flow</u>.

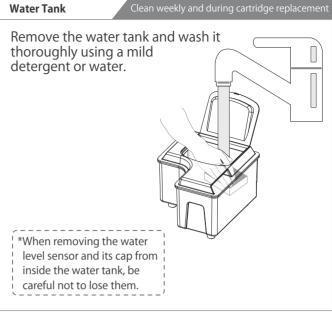
    Press and hold <u>COLD</u> to check that cold water is dispensed.

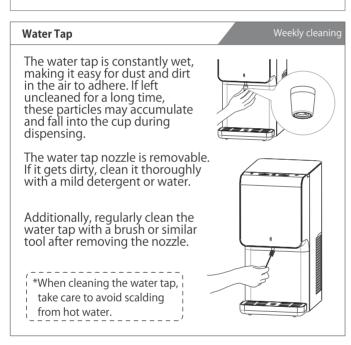


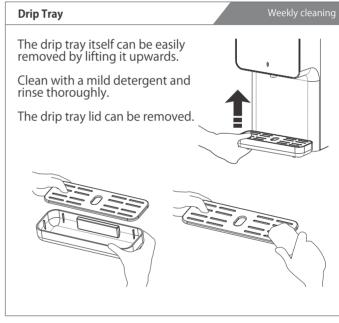


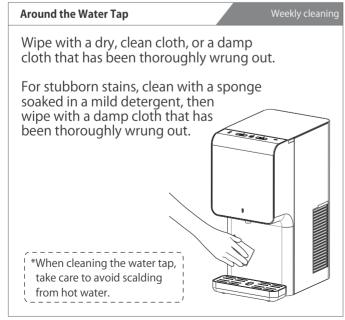
# **Request for Regular Cleaning**

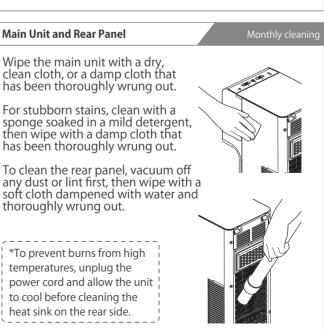








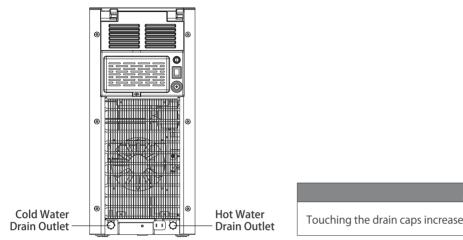




# **Other Precautions**

#### **Drain Outlets**

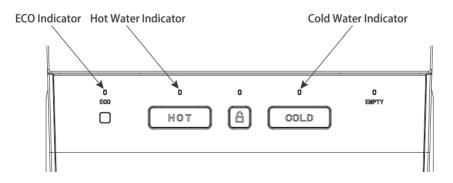
There are drain outlets located at the bottom of rear side of the water dispenser. Removing the drain caps will cause water to flow out quickly, so do not remove them unless you need to drain the water. In particular, hot water will come out from the right drain outlet, so never touch it while using water dispenser. If you need to drain the water when moving or relocating the unit, please refer to Q6 in the "Q&A" section on page 15.



Touching the drain caps increases the risk of leakage and burns.

# **Error Display**

If any abnormality occurs in the product, this will be signified via the control panel indicator lights and sounds.



Indicator Lights	Sound	Error Details	Action to Take
Hot Water Indicator Blinking	Beep, beep, beep	Hot water tank temperature sensor failure. Hot water heating stopped	Please unplug the power cord
Cold Water Indicator Blinking	Beep, beep, beep	Cold water tank temperature sensor failure. Cold water cooling has stopped	from the outlet and contact us via the information provided at the bottom of page 15.
ECO/Hot Water/Cold Water Indicators Blinking	Beep, beep, beep	Abnormal temperature in hot water tank. Hot water heating has stopped	the bottom of page 13.

# Troubleshooting

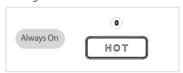
Before requesting a repair, please check the following:

Symptoms	Cause	Action to Take
	●The power plug is unplugged.	●Plug the power cord into the outlet.
	●The circuit breaker has tripped.	●Please reset the breaker.
	● All indicator lights are off.	<ul> <li>Please contact customer support via the details listed at the bottom of page 15.</li> </ul>
Cold water/hot water is	●There is little or no water in the water tank.	● Refill with tap water.
not dispensed, or, the flow rate is slow	If hot water does not come out when the hot water button is pressed, the hot water lock may not be released.	<ul> <li>Release the hot water lock before pressing the hot water button.</li> </ul>
	• The water purification cartridge is not installed.	● Please install a water purification cartridge.
	●The water purification cartridge is old.	• It may be clogged. Replace it with a new water purification cartridge.
The cold water is not	<ul> <li>Dispensing a large amount of cold water caused the temperature of the water in the cold water tank to rise.</li> </ul>	Please wait about 40 minutes for the cold water to chill.
being chilled	<ul><li>The temperature sensor in the cold water tank is broken.</li><li>Cold water cooling has stopped.</li></ul>	<ul> <li>Please contact customer support via the details listed at the bottom of page 15.</li> </ul>
	● The hot water switch on the rear is turned OFF.	<ul> <li>Please ensure that the hot water switch is turned ON.</li> <li>*Leaving the hot water switch OFF may lead to unsanitary conditions, such as bacterial growth, and could cause unpleasant odours.</li> </ul>
	● The hot water switch on the rear is turned on, but no hot water comes out.	<ul> <li>Please contact customer support via the details listed at the bottom of page 15.</li> </ul>
The hot water is not being heated	● ECO mode is activated.	• Ensure the room is well-lit or turn off the ECO button.
	<ul> <li>Dispensing a large amount of hot water caused the temperature of the water in the hot water tank to drop.</li> </ul>	Please wait approximately 40 minutes for the hot water to heat up.
	Hot water tank temperature sensor failure. Hot water heating stopped	<ul> <li>Please contact customer support via the details listed at the bottom of page 15.</li> </ul>
ECO mode is not triggered	● The room is bright	Make sure the room is dark. (ECO mode triggers in near-total darkness.)
ECO mode is not triggered	● The ECO button is turned off (the ECO indicator is not on).	● To using ECO mode, turn the ECO button ON. See page 9, "ECO Mode".
Water Leakage *If there is a water leak, unplug the power cord immediately.	The connection between the water tank and the water inlet is loose.	Reinstall the water tank. If the leak continues, remove the water tank and contact customer support via the details listed at the bottom of page 15.
Water is leaking from the water filling section.      Water is leaking from	● Water leaking from inside.	<ul> <li>Please contact customer support via the details listed at the bottom of page 15.</li> </ul>
inside the unit.	● The drain caps are loose.	● If the drain cap is loose, tighten it securely.
Water is leaking from the drain caps at the rear of the unit.	Water leaking from the water tap.	<ul> <li>Please contact customer support via the details listed at the bottom of page 15.</li> </ul>
The purified water has an	The water purification cartridge is overdue for replacement.	• Replace it with a new water purification cartridge.
unusual smell or taste.	● The water tank is dirty.	<ul> <li>Please clean the water tank as instructed in the water tank section on page 12, "Request for Regular Cleaning".</li> </ul>

- Q1. Where is the best location for the water dispenser?
- A1. Please place the unit on a level and stable surface with access to a power source. To prevent the drip tray from falling, ensure it fits securely within the tabletop's footprint. Additionally, avoid placing the unit outdoors, in high-temperature areas, in unsanitary environments, near heat sources, or in locations exposed to direct sunlight.
- Q2. I replaced the water purification cartridge with a new one, but the water is not dispensing.
- **A2.** Since the new water filter cartridge has not been filled with water yet, water will not come out immediately. Please keep pressing the button until cold or hot water start dispensing.



- Q3. I will not be using hot water. Is it possible to use the unit with the hot water switch turned off?
- A3. If the unit is used with the hot water switch turned OFF, the interior may become unsanitary and emit odours due to bacterial growth. Please ensure the hot water switch remains turned ON during use.



- Q4. How soon should the water in the water tank be used up?
- A4. Please use it up within 2 to 3 days.



- Q5. Please provide instructions on how to handle the unit during extended periods of absence.
- A5. Do not turn off the power and the hot water switch. Before leaving, remove the water tank and discard the water inside. Remove the filter, place it in a ziplock bag, and store it in the refrigerator.

When using the unit again, clean the inside of the cover and the water tank, reinstall the water purification cartridge, attach the water tank, and clean the water tap. Fill the water tank with tap water and discard approximately 1 litre each of cold water and hot water.

- Q6. Please provide instructions on how to handle the unit during relocation or transport.
- **A6.** Preparation is required beforehand, so please follow the steps below.
  - **1** Switch off the hot water switch and unplug the power cord.

Please wait at least 6 hours for the hot water to cool before performing the next step.

- 2 Empty the water tank.
- 3Remove the caps from the two drain outlets on the rear of the water dispenser and drain the water completely.
- \*Please use a large bucket as the water may flow out quickly. Be careful not to discard or lose the drain caps.
- **4**Tighten the drain caps securely.
- \*When using the unit again, follow steps 3-5 of the initial installation guide on page 7.

Before use, please clean the water tank and the area around the water tap.

Refer to page 12, "Request for Regular Cleaning".

Water may come out during the process, so place a cup under the water tap. After confirming that water is dispensing normally, check that there is no leakage from the drain caps.

Please read "Troubleshooting" on page 14 carefully and check again. If the issue persists, contact us at the information below.

 $\begin{array}{ll} \text{Customer Service} \\ \text{Premium Water} \end{array} \hspace{0.5cm} 3165\text{--}5069 \hspace{0.5cm} \text{(Japanese language support available)} \end{array}$ 

Business hours: 10:00-18:00 (Excluding the year-end and New Year holidays)