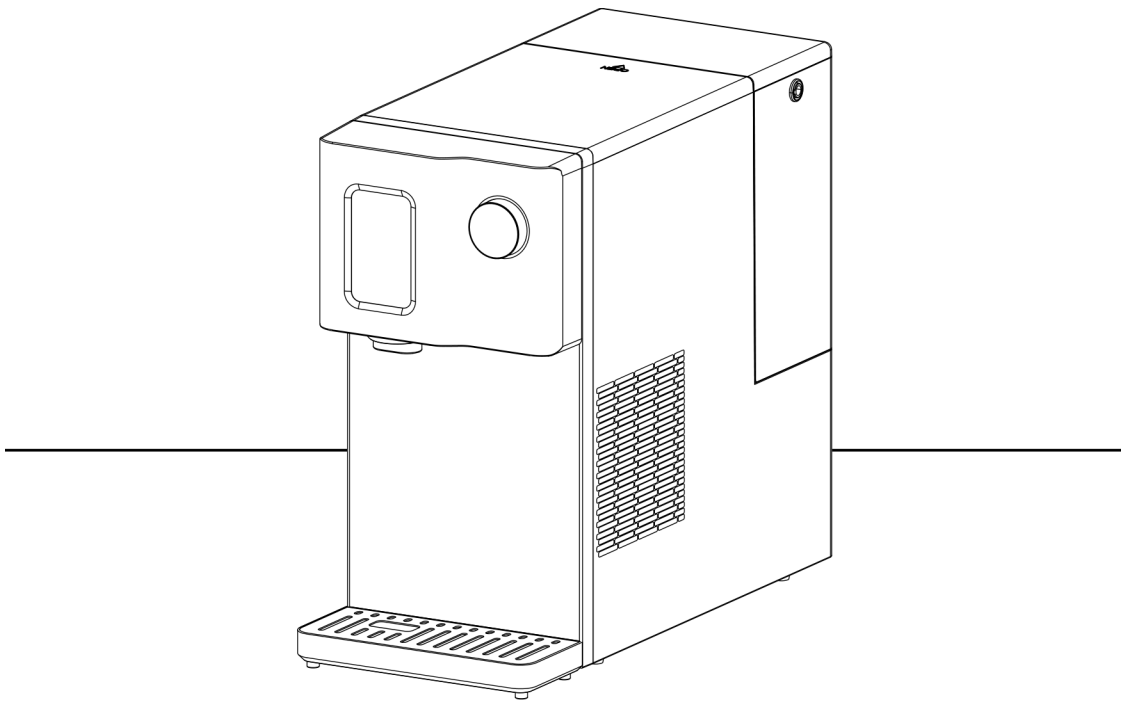




Countertop Chilled and Sparkling Water Purifier

CCS-IC-4RO-G

User Manual

Dear Customer,

Thank you for choosing our countertop chilled and sparkling-water dispenser.

To ensure the best possible experience, read these instructions carefully before using the appliance.

This product combines advanced nanobubble technology, compressor refrigeration, a 4-in-1 composite filter cartridge, three-second intelligent rapid heating and other core technologies. The rotary control and interactive high-definition display make operation simple and intuitive. Its integrated design allows flexible placement in a living room, study or office and provides a safe, healthy drinking-water solution.

We sincerely appreciate your trust and support. We hope the appliance provides a healthier and more convenient drinking-water experience.

Enjoy using your new appliance!

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Safety Information



WARNING

Incorrect installation or operation may cause serious personal injury or property damage.

This appliance may be used by persons with reduced physical, sensory or mental capabilities, or with insufficient experience and knowledge, only when they are supervised or have been instructed in safe use and understand the hazards involved.

The appliance is intended for household and similar applications, including:

- staff kitchens in shops, offices and other workplaces;
- farmhouses;
- use by guests in hotels, motels and other residential accommodation;
- bed-and-breakfast accommodation.



The supplied manual conflicts: this safety text says 220 V / 50 Hz, while the specification table says 220–240 V AC, 50/60 Hz. Written OEM confirmation is unavailable. Follow only the unit rating plate; if it is missing or unclear, do not connect the appliance.



Do not overload the socket or power cord; electric shock or fire may result.



Do not place the appliance in a hot or humid environment. This may damage it or cause a short circuit, electric shock or fire.



Do not place objects on top of the appliance. Restricted heat dissipation may damage the appliance or cause a fire.



Disconnect the power supply during installation to avoid electric shock.



If the appliance emits an unpleasant odour, unusual noise or smoke, unplug it immediately. Identify and correct the fault before using it again.



Misuse may cause injury.



Keep all ventilation openings in the appliance housing or built-in structure unobstructed.



The refrigerant and insulation blowing gas are flammable. Dispose of the appliance only at an authorised waste facility and keep it away from flames.

 When positioning the appliance, make sure the power cord is not trapped or damaged.

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



This symbol warns that the refrigerant and insulation blowing gas are flammable.

CAUTION

Precautions for installation, use and maintenance.

 Use standard municipal tap water as the feed water.

 The operating-temperature range is 5–38 °C. If the temperature is outside this range, take appropriate measures before use. Do not operate the appliance directly below 5 °C. At ambient temperatures below 5 °C, prevent the water inside the appliance from freezing; freezing may crack or otherwise damage the unit and cause water leakage or electrical leakage.

 The permitted inlet-water pressure is 0.1–0.3 MPa. Excess pressure may prevent internal components from operating correctly or rupture internal tubing, causing serious property damage.



 Do not move the appliance unnecessarily. Empty the water tank before moving it.

 Do not rinse the appliance body with water.

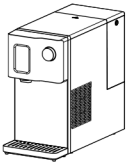
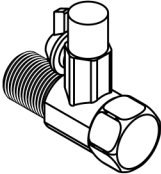
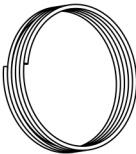
 Do not add turbid tap water, ice cubes, milk, juice or other mixed liquids to the raw-water tank.

 To avoid danger, a damaged power cord must be replaced by qualified service personnel.

 After dispensing hot water, dispense cold water immediately. The initial water may still be hot; take care to avoid scalding.

Product Introduction

(Package Contents)

	Dispenser unit	1
	User manual	1
	Inlet three-way valve	1
	PE tubing	1

Product Introduction

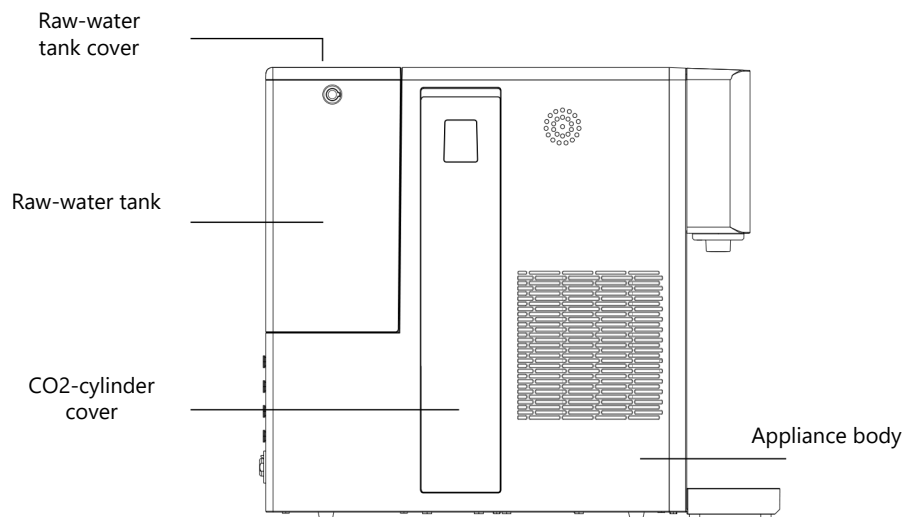
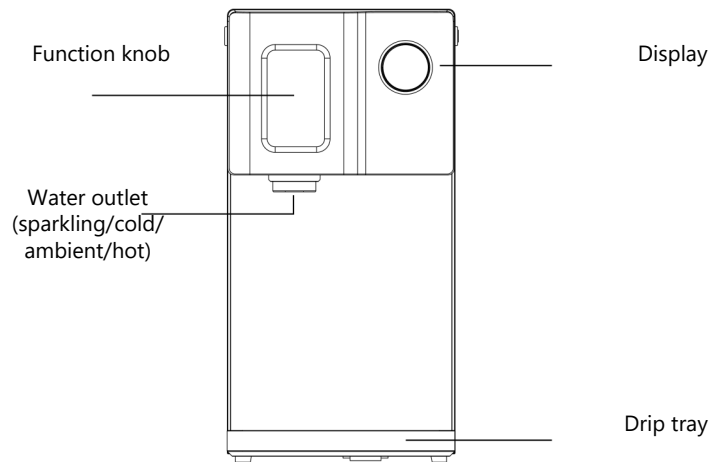
(Specification)

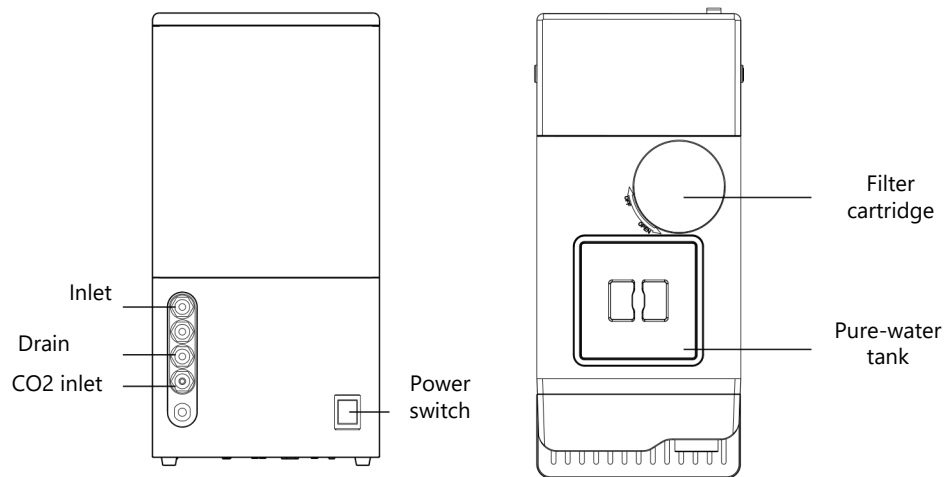
Product name	Countertop chilled and sparkling-water purifier
Product model	CCS-IC-4RO-G CCS-IC-4RO-W CCS-IC-4NF CCS-IC-4UF
Voltage/frequency (conflict*)	220 V / 50 Hz; 220–240 V AC / 50/60 Hz*
Rated total power	2400 W
Heating power	2270 W
Cooling power	120 W
Hot-water capacity	18 L/h (≥ 90 °C)
Cold-water capacity	2.4 L/h (≤ 10 °C)
Sparkling-water capacity	2.4 L/h (≤ 10 °C)
Volume ratio (CO ₂ :water)	1.5:1 (20 °C)
Filter stages	PP+C1+RO+C2
Feed-water pressure	0.1–0.3 MPa
Water supply	Municipal water
Ambient temperature	5–38 °C
Raw-water tank capacity (conflict*)	4 L; 5 L*
Net weight	21.7 kg
Product dimensions	220 × 508 × 436 mm

* Unresolved manufacturer-source conflicts; written OEM confirmation is unavailable. Electrical supply: 220 V / 50 Hz in safety text versus 220–240 V AC, 50/60 Hz in the table — the unit rating plate controls. Tank: 4 L in the table versus 5 L in operating text — never fill above the physical MAX mark.

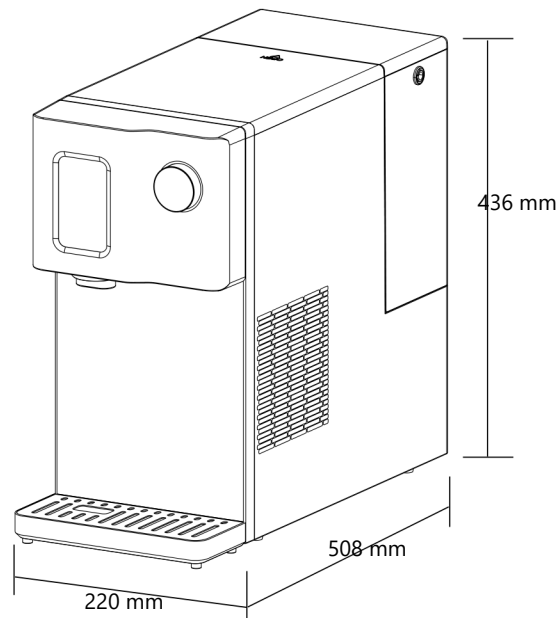
Product Introduction

(Product Features)





Product dimensions



Product Introduction

(Start-up)



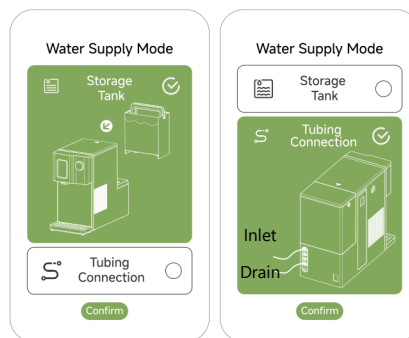
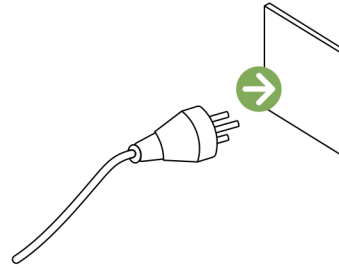
Connect the power supply and turn on the power switch at the rear of the appliance.



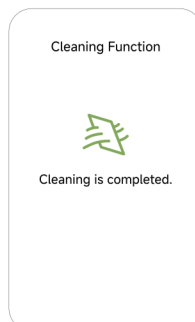
The screen displays two water-supply modes. Select Raw-water tank mode or Mains-water connection mode.

Raw-water tank mode: the supplied manufacturer manual is internally inconsistent: its specification table says 4 L, while the operating text says 5 litres. Written OEM confirmation is unavailable, so neither figure is presented as confirmed. Never fill above the physical MAX mark on the tank. No tubing connection is required, so the appliance is easy to move.

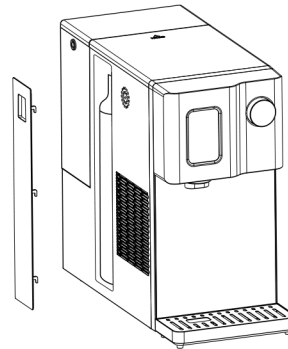
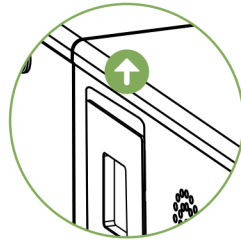
Mains-water connection mode: connect tubing to the inlet and drain at the rear of the appliance to enable automatic feed-water supply.



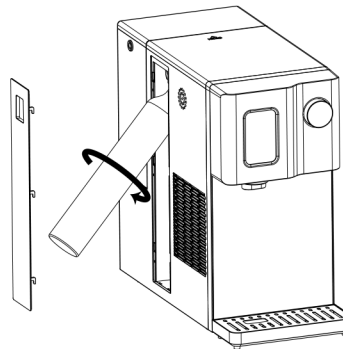
For safe, hygienic drinking water, the appliance automatically starts a forced flushing cycle after the water-supply mode is selected. Follow the on-screen instructions. The complete process takes about 30 minutes.



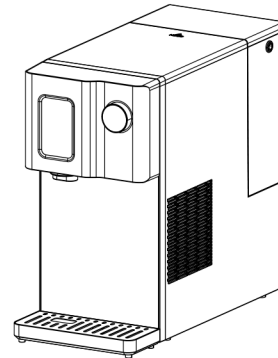
- 3** Switch off the appliance before removing the CO₂-cylinder cover. Press and hold the cover notch, then pull the cover upward to remove it.



- 4** Align the nozzle of the new CO₂ cylinder with the pressure-regulator connector. Rotate the connector to a convenient angle if necessary. Screw the cylinder clockwise fully into place, then reinstall the cylinder cover.



- 5** Turn on the power switch. The appliance enters operating mode automatically.

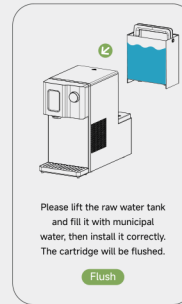


*The CO₂ cylinder must be purchased separately.
*One 4-in-1 composite filter cartridge is included.

First-use Cleaning (Raw-water Tank Mode)

1 Flush

Fill the raw-water tank with tap water and install it correctly. The appliance flushes the filter cartridge automatically. Flushing takes approximately 5 minutes.



Cleaning Function

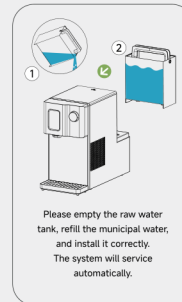


Flushing

Remaining 5 minutes 0 seconds

2 Purify

Discard the water in the raw-water tank, refill it with tap water and reinstall it. The appliance starts producing purified water automatically. Purification takes approximately 8 minutes.



Cleaning Function



Working

Remaining 8 Minutes 0 Seconds

3 Drain

Place the raw-water tank below the water outlet. Press the knob to confirm the "Drain" step; the appliance automatically empties its internal water.



Cleaning Function



Draining

Remaining 2 minutes 0 seconds

Steps:

1 Flush → 2 Purify → 3 Drain
4 Purify → 5 Drain → 6 Finish

*A small amount of black water may be produced when a new filter cartridge is first used; this is normal. For drinking-water safety, the appliance automatically rinses the filter twice.

Cleaning Function

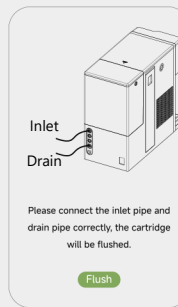


Cleaning is completed.

First-use Cleaning (Mains-water Connection Mode)

1 Flush

Connect and secure the inlet and drain tubing correctly. The appliance then flushes the filter cartridge automatically. Flushing takes approximately 5 minutes.



Cleaning Function



Flushing

Remaining 5 minutes 0 seconds

2 Purify

After flushing, the appliance automatically starts the purification cycle, which takes approximately 8 minutes.

Cleaning Function

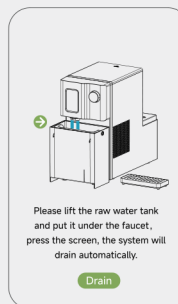


Working

Remaining 8 Minutes 0 Seconds

3 Drain

Place the raw-water tank below the water outlet. Press the knob to confirm the "Drain" step; the appliance automatically empties its internal water.



Cleaning Function



Draining

Remaining 2 minutes 0 seconds

Steps:

1 Flush → 2 Purify → 3 Drain
4 Purify → 5 Drain → 6 Finish

*A small amount of black water may be produced when a new filter cartridge is first used; this is normal. For drinking-water safety, the appliance automatically rinses the filter twice.

Cleaning Function

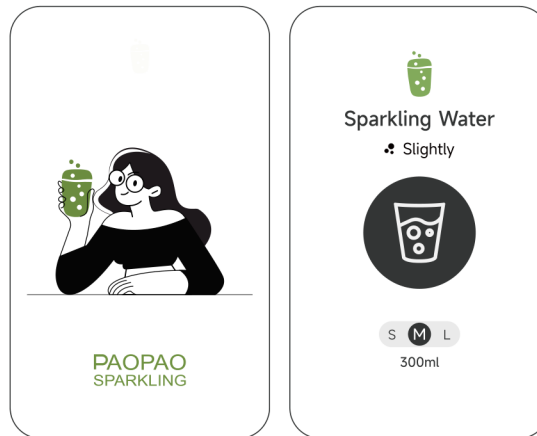


Cleaning is completed.

Product Introduction

(Product Functions)

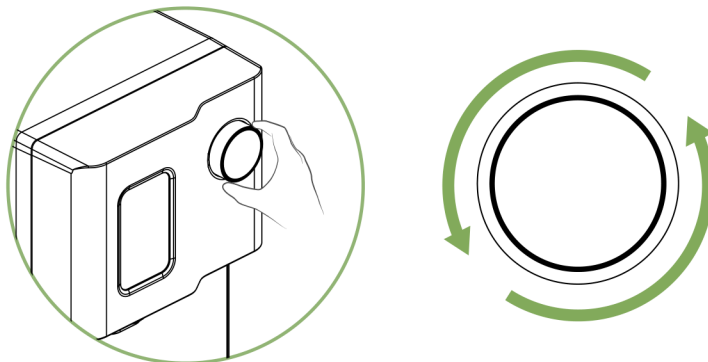
After connecting the power, turn on the switch at the rear. The start-up page appears and the screen lights after initialization. If the appliance is not operated for 30 seconds, it enters energy-saving mode. Briefly press the knob to wake the screen and display the main page.



Screen saver and main display

1 Select a water type

Turn the knob to select the required water type.





Default water options:

Lightly sparkling water, strongly sparkling water, cold water, ambient water, hot water at 45 °C, 85 °C or 95 °C, and System settings.

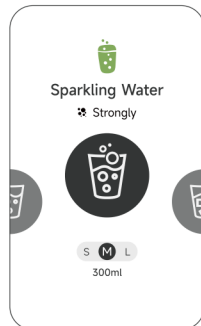
2 Set a dispensing volume

Press and hold the knob to open the dispensing-volume setting. Turn the knob to select 150 ml, 300 ml or 500 ml. Release the knob to confirm the volume; the current water-type page then appears.



3 Water dispensing and status display

On the page shown below, briefly press the knob to dispense water. The screen displays a dispensing animation. The LED below the outlet uses a different colour for each water type. The appliance dispenses the selected volume. Press the knob again to stop dispensing.



	Water type	Status light
  	Sparkling / cold	
	Ambient	
  	Hot	

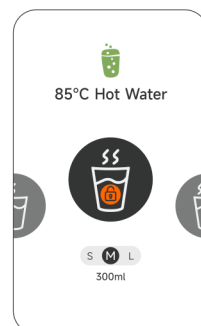


Figure 1

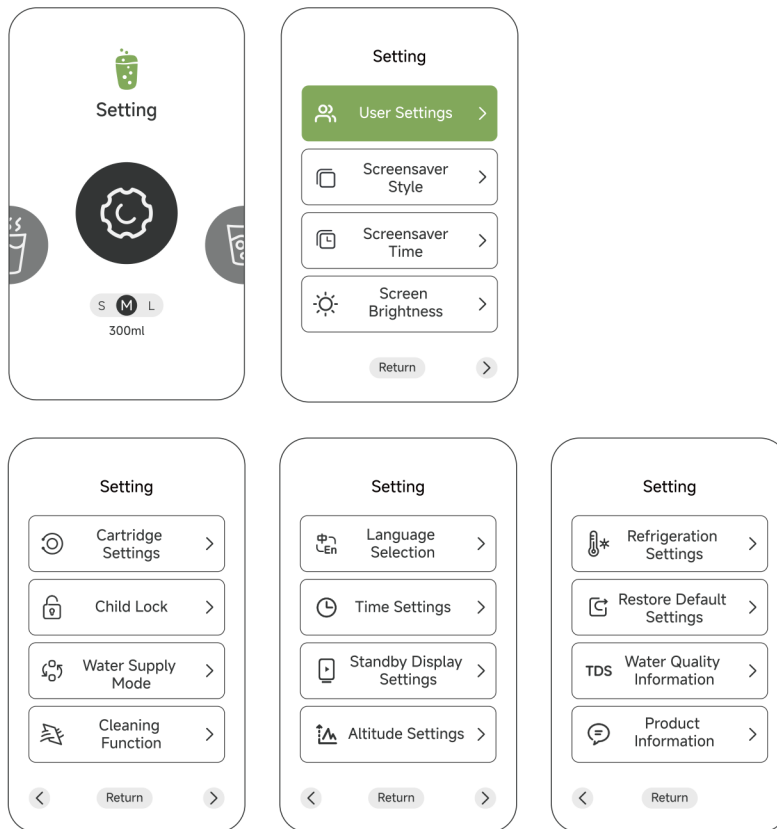


Figure 2

For 85 °C and 95 °C hot water, the child lock is enabled by default (Figure 1). Briefly press the knob to disable the child lock (Figure 2), then press it again to dispense water.

4 System settings

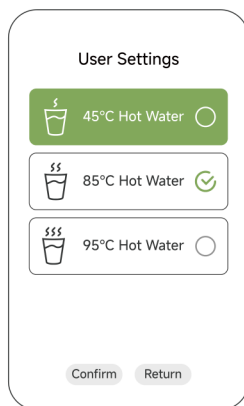
On the page shown below, briefly press the knob to open System settings.



Turn the knob left or right. The green highlight indicates the current selection. Briefly press the knob to open the selected setting. Select the return button and briefly press the knob to return to the previous settings page.

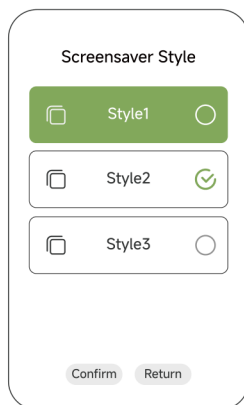
Return

Icon	Explanation
	Enabled
	Disabled
	Confirm the current setting
	Return to the previous settings page
	The green highlight indicates the current selection.



User settings

Add or remove hot-water options. Turn the knob to select an option and briefly press it to enable or disable the option.



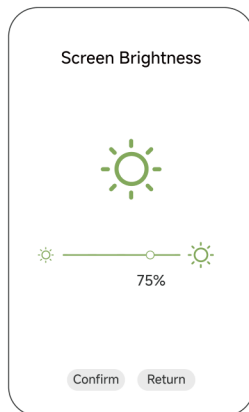
Screen-saver style

Choose the preferred screen-saver style. Turn the knob to select an option and briefly press it to enable or disable the option.



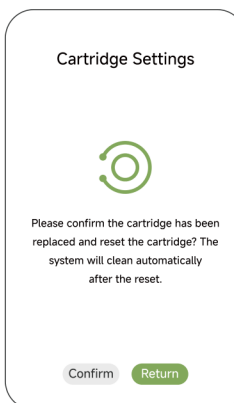
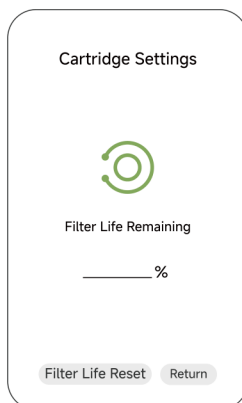
Screen-saver delay

Set how long the appliance remains idle before the screen saver starts. Turn the knob to select the value and briefly press it to confirm.



Screen brightness

Adjust the screen brightness to the required level by turning the knob.



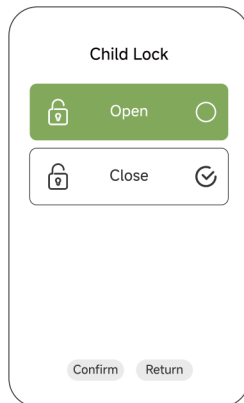
Filter settings

View the remaining filter life. Turn the knob to select the reset option and open the filter-life reset page.

Filter Life Reset

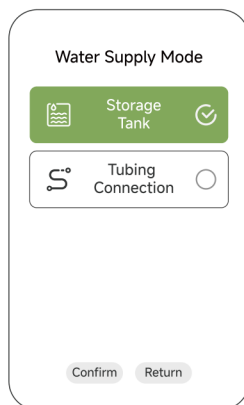
*Remove the CO2 cylinder when prompted on the screen.

*After replacing the filter cartridge, reset the filter life so that its usage status is updated. The appliance then automatically performs a 30-minute flushing cycle. Follow the on-screen instructions.



Child lock

Enable or disable the child lock. Turn the knob to select the option and briefly press it to change the setting.



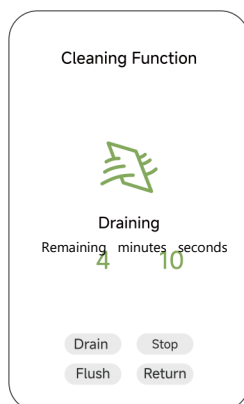
Water-supply mode

Select Tank mode or Mains-water connection mode.

Raw-water tank mode: the supplied manufacturer manual conflicts: 4 L in the specification table and 5 litres in operating text. Written OEM confirmation is unavailable; neither figure is confirmed. Never fill above the physical MAX mark. No tubing connection is required.

Mains-water connection mode: connect the inlet and drain tubing to the tap-water supply for automatic feeding.

Turn the knob to select the mode and briefly press it to confirm.



Cleaning function

Place a suitable collection container below the outlet. Select the emptying icon and briefly press the knob; emptying takes approximately 2.5 minutes. Select the flushing icon and briefly press the knob; flushing takes about 4 minutes. After flushing, the wastewater in the tank is emptied automatically.

Drain

Flush

Language Selection

中 中文 ☐

En English ☒

Confirm Return

Language selection

Select a language. Turn the knob to the required option and briefly press it to confirm.

Time Settings

Year

Month

Day

Hour

Minute

Confirm Return

System time

Set the system time. Turn the knob to the required option and briefly press it to confirm.

Standby Display Settings



Time: minutes

Brightness:

Confirm Return

Energy-saving settings

Set the idle period before the appliance enters energy-saving mode and set the screen brightness for this mode. Turn the knob to select the values, then briefly press it to confirm.

Altitude Settings



Altitude: m

Altitude setting

Select the altitude range appropriate for the installation location. Turn the knob to the required option and briefly press it to confirm.

Refrigeration Settings



Temperature setting: °C
 Cooling function:

Refrigeration settings

Set the minimum cold-water temperature and switch the cooling function on or off. Turn the knob to the required option and briefly press it to confirm.

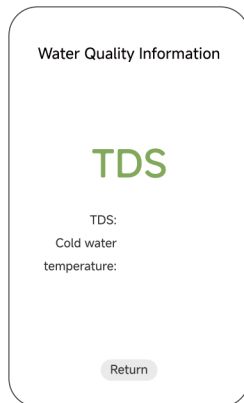
Restore Default Settings



Do you want to restore the default settings?

Restore factory defaults

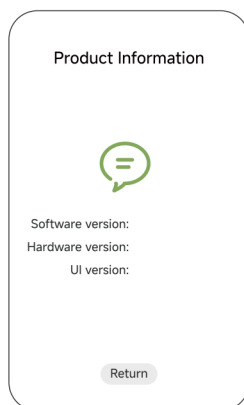
Restore the factory settings if required. The remaining filter-life value is not reset.



Water-quality information

View information including the TDS value and cold-water temperature. Select the return icon and briefly press the knob to return to the previous settings page.

Return



Product-version information

View the software, hardware and user-interface (UI) versions. Select the return icon and briefly press the knob to return to the previous settings page.

Return



Icon	Explanation	
	CO2 cylinder empty	The CO2 supply is exhausted or no cylinder is installed.
	Raw-water tank empty	The raw-water tank needs water.
	Filter life below 5%	Prepare to replace the filter cartridge.
	Filter life expired	Replace the filter cartridge.

Sparkling-water Function Guide

Before using the sparkling-water function, make sure refrigeration is enabled; otherwise the function cannot operate.

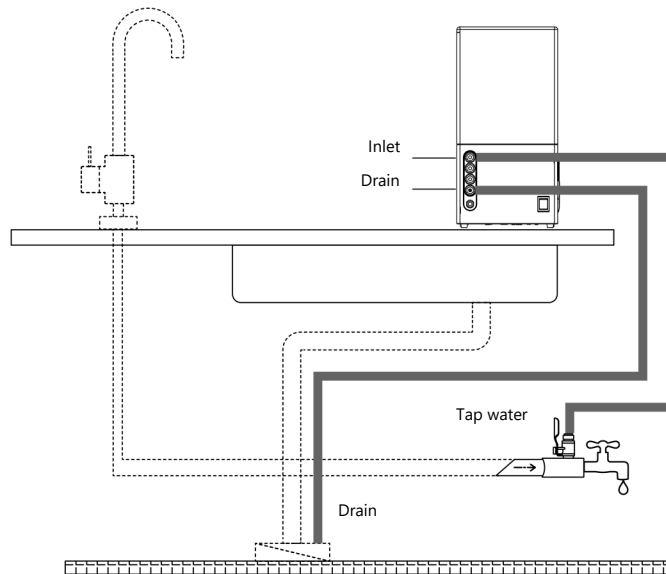
Sparkling water contains CO2 and leaves the outlet at high pressure, so the flow may fluctuate or spray slightly. This is normal.

Slight vibration and noise may occur because the pump transfers purified water into the high-pressure carbonation cylinder.

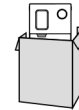
If sparkling water is not dispensed or the cold water does not reach the set temperature, check whether the CO2 supply is exhausted and replace the cylinder if necessary.

Installation and Maintenance

(Mains-water Connection Mode)



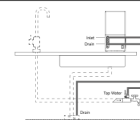
1. Unpack the appliance and place it on a level surface, such as a table or countertop.



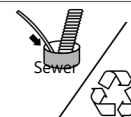
2. Install the supplied three-way inlet valve in the cold-water supply line. Connect one end of the PE tubing to the valve and the other end to the inlet at the rear of the appliance. Make sure the tubing is securely connected.



3. Connect all tubing as shown in the installation diagram.



4. Discharge wastewater directly to the drain or collect it for reuse.

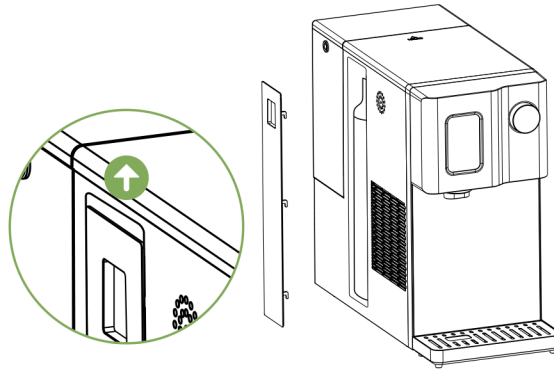


• Mains-water connection mode should be installed by a qualified professional.
 *If an external CO2 cylinder is used, the inlet pressure must not exceed 4.5 bar.

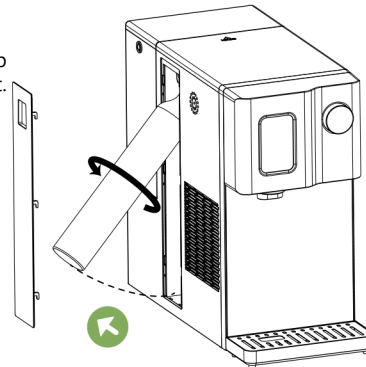
Installation and Maintenance

(CO₂-cylinder Replacement)

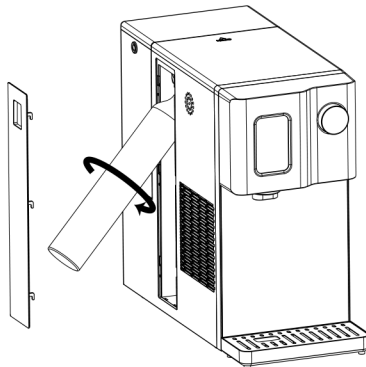
- 1 Switch off the appliance before removing the CO₂-cylinder cover. Press and hold the cover notch, then pull the cover upward.



- 2 Hold the bottom of the cylinder and tilt it outward. Grip the cylinder body and turn it anticlockwise to remove it.



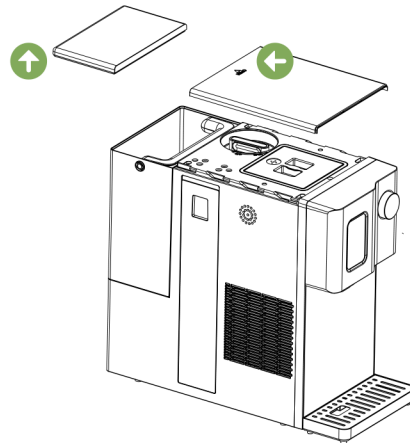
- 3 Align the nozzle of the new cylinder with the pressure-regulator connector. Rotate the connector to a convenient angle if necessary. Screw the cylinder clockwise fully into place, then reinstall the cover.



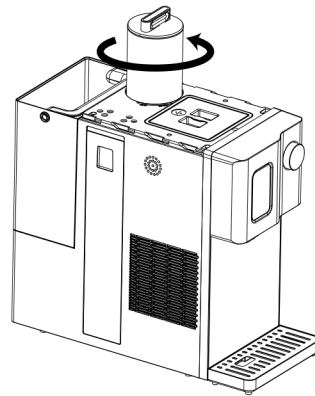
Installation and Maintenance

(Filter-cartridge Replacement)

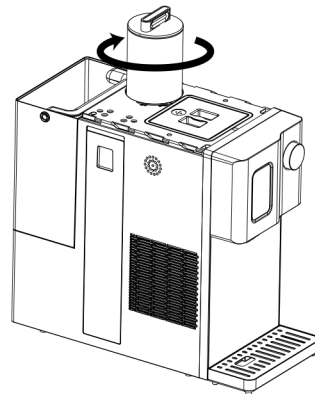
- 1 Switch off the appliance, remove the raw-water tank cover and push the top cover backwards.



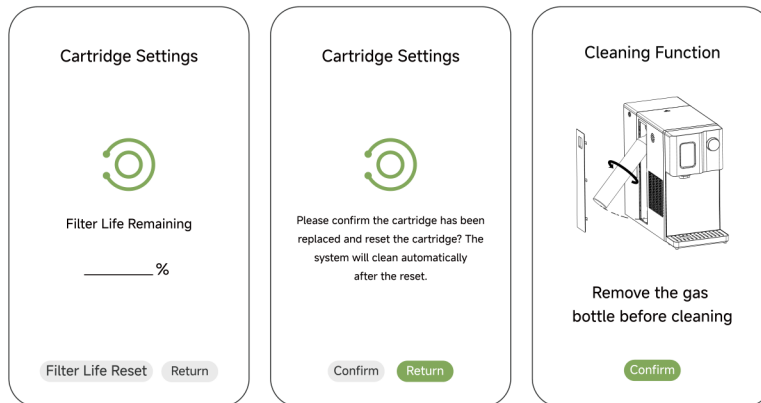
- 2 Turn the old filter cartridge anticlockwise and pull it upward to remove it.



- 3 Insert the new filter cartridge and tighten it clockwise.



- 4 Switch on the appliance, open Filter settings, replace the filter cartridge and reset its life. See the Filter settings section for detailed instructions.



Note: To protect drinking-water quality, the appliance automatically starts a 30-minute flushing cycle after filter replacement and filter-life reset. See the Cleaning function section for detailed instructions.

Use only an original filter cartridge supplied for this appliance.

Filter-cartridge Use and Replacement

1. The recommended replacement intervals are based on average municipal-water conditions in different regions. If local water quality or use differs significantly, the actual filter life may differ from the estimate. If the cartridge clogs or fails prematurely, replace it according to its actual condition and contact local after-sales service promptly.

2. The estimated cartridge life assumes the average consumption of a normal household. The appliance is intended for domestic use and must not be installed in public locations with high water consumption.

3. Based on experience with municipal tap water, average household consumption and typical feed-water quality, the following replacement cycles are recommended for reference:

Filter cartridge	Suggested replacement cycle
4-in-1 composite filter PP+C1+RO+C2	12 months
4-in-1 composite filter PP+C1+NF+C2	12 months

Note: Water quality has a major effect on filter life. Reverse-osmosis membranes and other elements are affected by many factors, and actual life may be shorter than the periods stated above. The data are for reference only.

Replace the filter cartridge if any of the following occurs:

1. Purified-water quality deteriorates or the taste becomes unpleasant.
2. Outlet flow decreases significantly and the cause is not lower water temperature or pressure.
3. The cartridge is severely clogged, so the purifier cannot produce or dispense water.

Troubleshooting

Problem	Possible solution
No purified water	1. Refill the raw-water tank. 2. Prolonged use has clogged the filter cartridge; replace it.
Leak at a connection	1. A component is not installed correctly. 2. A connection is loose, misaligned, cross-threaded or stripped. 3. A silicone sealing ring is worn or damaged.
Electric leakage or induced voltage on the housing	The appliance is not correctly earthed or has an internal water leak.
No hot water	1. Power is not connected. 2. Reset the NTC sensor.
No cold water	1. Power is not connected. 2. Refrigeration is switched off.
No sparkling water	1. The CO ₂ cylinder is empty or not installed; check the status icon. 2. Replace the empty CO ₂ cylinder. 3. The water temperature is above 10 °C and has not reached the set value.

Error-code guide

Code	Problem	Solution
E1	Continuous water production for an excessive period.	Disconnect and reconnect the power supply.
E2	Inlet-water temperature NTC open circuit.	Contact after-sales service.
E3	Outlet-water temperature NTC open circuit.	Contact after-sales service.
E4	Feed-water temperature too low.	Use feed water warmer than 3 °C.
E5	Hardware circuit-board fault.	Contact after-sales service.