

FOTILE

User Manual

Please keep it in a safe place for reference

Be sure to read this manual carefully before use

FOTILE HJT2100-HR7-Y
Water Purifier

FOTILE HJT1800-HR7
Water Purifier

HJT2100-HR7-Y
HJT1800-HR7

Honorable guest, thank you for your choice of FOTILE products. Please read through the manual to be familiar with the correct operation norms and enjoy life.

FOTILE promise is making our home better. It is our duty to let you satisfy with FOTILE products. Please read the user manual carefully before using it, and operate it complying with the manual requests. The manual description is important to keep the product a good working condition. And you will lose the free warranty right if the product is failed to use due to your improper use, thus any direct or indirect free warranty certificate will be rejected by FOTILE authorized service center. Meanwhile, we suggest you contact FOTILE service center when the product need to be repaired no matter within or exceed the warranty period. FOTILE star-level service goal is to make customers fully satisfied by our tireless efforts.

CONTENTS

Safety Precautions2

Product Structure8

Packing List.....9

Main Technical Parameters.....10

Installation Instructions 11

Operation Guidance15

Suggestions on use20

Water pipeline diagram.....22




Electric Wiring Diagram.....22

Common Fault Identification And Troubleshooting.....23

Safety precautions


In order to avoid harm and property damage to users and other personnel, the following distinctions and signs are made. All are important matters related to safety, and you are required to strictly abide by them and use them correctly on the basis of fully understanding the contents.

Classification by the degree of harm and damage

 Danger	Ignoring this sign and performing incorrect operations will be extremely likely to cause personal damage, serious injury, or fire.
 Warning	Ignoring this sign and performing incorrect operations may result in personal danger, severe injuries, or fire.
 Caution	Ignoring this sign and performing incorrect operations may lead to personal injuries or damage to items.
Recommendation	Content we hope you to understand for safe and correct operation.


Caution and prohibition icons














								
Caution, hot!	Caution, electric shock!	Follow strictly	Grounding required	Prohibited	No open flames	Do not touch	Do not operate with wet hands	Disassembly prohibited









 **Warning :** Before use, please read this Instruction carefully and operate in strict accordance with this Instruction. The Company will not bear any legal responsibility for personal injury or property loss caused by improper use of this product.









This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. This appliance is intended to be used in household and similar applications such as:

















- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments.

 **Caution :** If the product damage is caused by your reasons (incorrect use, installation or repair, or use of parts not provided by the company), you will not be able to obtain the free warranty service provided by the Company. If the provisions of this Instruction are inconsistent with the mandatory provisions of national laws, the legal provisions shall prevail. The filter elements and ultraviolet sterilizers used in products of the Company are consumables, and need to be replaced on time according to the influent water quality and actual usage. If the purified water quality is unqualified because the filter element or ultraviolet sterilizer is not replaced on time, the Company will not bear any legal responsibility.

 Danger	
 Caution, electric shock!	Before installation and repair services, the power must be cut off to avoid electric shock.
 Prohibited	The installation position should be provided with an independent fixed waterproof socket that meets national standards. Before use, ensure that the power plug is fully inserted into the power socket to avoid safety risks.
 Grounding required	The socket must be equipped with a reliable grounding wire for safety. Do not connect the grounding wire to any gas pipe, water pipe, lightning rod or telephone wire. Poor grounding may cause electric shock and other accidents.
 Follow strictly	In case of abnormalities, unplug the power plug or cut off the main power, and immediately call the local aftersales service center. Continuous operation under abnormal conditions is prone to electric shock, fire and other hazards.
 Prohibited	It is prohibited to restructure, stretch, buckle or squeeze the power cable with heavy objects. Otherwise, the power cable may be damaged, causing electric shock, fire or other accidents.
 Follow strictly	The damaged power cable must be replaced by specialized personnel from the manufacturer, its repair department, or a similar department to avoid danger.
 Disassembly prohibited	It is prohibited to change the internal wiring of the water purifier without permission; otherwise, it may cause personal injury. Improper repair may also cause electric shock, fire and other hazards.
 Disassembly prohibited	Non-professionals are not allowed to remove, install or repair the water purifier.
 Prohibited	Do not wet electrical components such as power plugs and connectors. Wetting them may lead to electric shocks or other accidental injuries.
 Do not operate with wet hands	Please do not touch the power plug or electrical components with wet hands, as it may lead to electric shock accidents.
 Prohibited	It is prohibited to clean the water purifier with jet water. If the water purifier is used immediately after getting wet, electric leakage and electric shock accidents may occur.
 Prohibited	Please do not allow children to use or approach the product alone, as it may cause electric shock or other accidental injury.

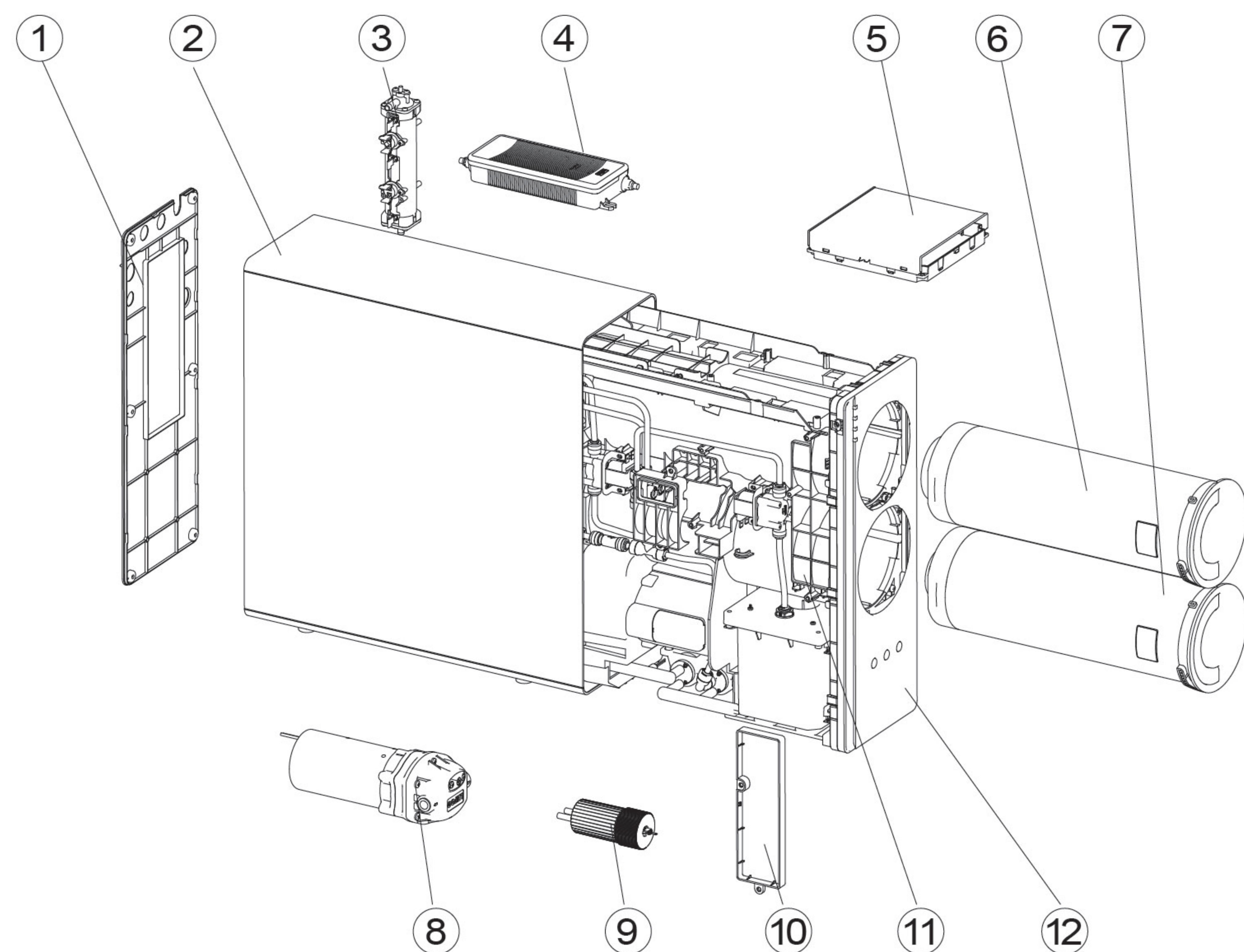
Warning	
 Follow strictly <p>This product should be used with caution when the ambient temperature is below 4°C. If needed, anti-freezing measures should be taken (such as turning on the heat or air conditioner) before use, to prevent water from freezing in the machine due to low temperature, resulting in cracking of the machine pipe fittings and water and electric leakage accidents.</p>	 Follow strictly <p>When the inlet temperature is below 0°C, the inlet valve should be closed and the remaining water in the water purifier should be emptied to prevent water and electric leakage accidents caused by freezing and cracking.</p>
 Follow strictly <p>This product cannot be operated by people who are physically impaired, emotionally or mentally impaired, or lack relevant experience and knowledge, including children, unless someone responsible for their safety supervises or guides them in doing so.</p>	 Follow strictly <p>When other water-related appliances leak, turn off the water purifier immediately, and cut off the water source to prevent water purifier fault caused by water leakage of other appliances.</p>
 Follow strictly <p>The water purifier is in danger of water leakage if you don't clean and change the filter element according to the method specified in this Instruction.</p>	 Follow strictly <p>Do not put your hands and face to touch or approach the air vent and water outlet of the water tap.</p>
 Follow strictly <p>When using the water purifier, do not cover the water tap with a piece of cloth in order not to affect the cooling of the water tap. The nozzle should be cleaned regularly to ensure that the water delivery and water quality will not be affected by accumulated dirt. To clean the greasy oil on the water tap and purifier surface (enclosure), a sponge is recommended, and do not use stainless steel scrubber or other hard objects or strongly corrosive detergents.</p>	 Follow strictly <p>Do not allow young children to play with the plastic film and packing case to avoid suffocation. Keep the packing materials away from children. They are not toys, and should be treated in a green way.</p>

Warning	
 Prohibited <p>Do not use any loose or poorly connected power socket. Otherwise, electric shocks, short circuit or fire may occur.</p>	 Prohibited <p>It is prohibited to install the water purifier upside down or obliquely.</p>
 Follow strictly <p>The operating temperature of the water purifier shall not exceed 40°C, and the inlet water temperature shall not exceed 38°C.</p>	 Follow strictly <p>This product is only used for daily household purposes, and not used for commercial purposes or in other special environments (such as balcony, entrance garden and other semi-outdoor or outdoor environment) or used to filter water that has not been treated by the water treatment plant.</p>
 Follow strictly <p>The top of the machine should be lower than the installation plane of the water tap; otherwise the water tap will have the siphonic effect, leading to water dripping.</p>	 Follow strictly <p>Use the new hose assembly accompanied by the product, and the old one cannot be reused. After removal, the hose cannot be used any longer, and a new hose must be used.</p>
 Follow strictly <p>To ensure safety and smooth installation, please use the accompanying accessories for installation (especially for the PE pipe, pressure reducing valve and water tap, accompanying accessories must be used; otherwise the water purifier may not produce water, and even has a risk of water leakage). When installing, the PE pipe must be inserted into the quick connector in place; for the water tap, do not drill a too large hole to prevent the water tap from loosening.</p>	 Follow strictly <p>The concentrate produced by the nanofiltration water purifier contains high-concentration inorganic salts and is of higher water hardness. It is suggested to directly discharge it into the unblocked sewer, and ensure a reliable floor drain within 1.5m. If necessary, the concentrate can be recycled for toilet flushing, but it is not suggested to use it for washing and floor mopping.</p>

<div>  Caution </div>	
<div>  <p>Follow strictly</p> </div> <p>Before moving the water purifier for installation, cleaning or repair, be sure to cut off the power supply and water source to avoid electric shock and water leakage. When installing, cleaning or repairing the machine, wear protective gloves to prevent scratching the surface of the water purifier.</p>	<div>  <p>Follow strictly</p> </div> <p>The water purifier must be stored in a dry and well ventilated place free of toxic substance and other hazardous materials. It must be protected from heavy load, being placed upside down and long-term direct exposure to sunlight.</p>
<div>  <p>Follow strictly</p> </div> <p>The water flow will be reduced when the ambient temperature is lower. This is an inherent characteristic of the filter element.</p>	<div>  <p>Follow strictly</p> </div> <p>The PE pipe must be cut with a professional pipe cutter, without cuts and burrs.</p>
<div>  <p>Follow strictly</p> </div> <p>When the water purifier is powered on, it is prohibited to pull out the filter element or turn the handle of the filter element to avoid water leakage.</p>	<div>  <p>Follow strictly</p> </div> <p>If the water purifier is not used for more than six hours (by default), it will start an auto rinse for about 2min, at which time the booster pump is in working condition.</p>
<div>  <p>Follow strictly</p> </div> <p>Do not modify the joints, pipes and accessories of the product at will. Avoid bending the pipeline of the water purifier during use.</p>	<div>  <p>Follow strictly</p> </div> <p>When producing water, the product will have slight vibration and noise, which is a normal phenomenon.</p>
<div>  <p>Follow strictly</p> </div> <p>The nanofiltration model will produce waste water from filtration, which is a product characteristic. Water efficiency of the product is tested in lab standard conditions.</p>	<div>  <p>Follow strictly</p> </div> <p>Ultrafilters, prefilters, central water purifiers and other non-nanofiltration water purifiers cannot reduce total dissolved solids (TDS), which is a product characteristic and a normal phenomenon.</p>
<div>  <p>Follow strictly</p> </div> <p>This product is a nanofiltration model which retains minerals. Affected by local water quality, the produced water may have a small amount of scale after boiling, which is a normal phenomenon.</p>	<div>  <p>Follow strictly</p> </div> <p>To use the water purifier water tap fitted with a lever, the lever must be fully turned to the working angle. Turning the lever to an improper position may cause the machine to fail to start properly.</p>
<div>  <p>Follow strictly</p> </div> <p>If the water flow rate after the filter element is changed does not reach that before change, air may be inside the purifier, and the flow rate can be restored after the air is discharged.</p>	<div>  <p>Follow strictly</p> </div> <p>The installation of this water purifier is very professional work, and it must be installed according to the instructions and by professional installation and repair personnel appointed by the Company.</p>
<div>  <p>Follow strictly</p> </div> <p>When cutting or drilling holes on the basin, take caution to not damage the wires, water pipes or other hidden equipment.</p>	

<div> Recommendation </div>
<ol style="list-style-type: none"> 1. If the water purifier is not used for more than 6h, it is suggested to turn on the water tap to drain water for 1-2 min before receiving water. 2. If the equipment makes room temperature water continuously for 30 minutes (default) or hot water continuously for 5 minutes (default), water making will stop automatically. Small volume of water flowing out from the water tap for a short while is normal. To make water, please repeat the water making process. 3. After moving in, please make an appointment to install the water purifier. To ensure water quality is acceptable and the reminder of expiration of filter element service life is given correctly, do not cut off water supply or power supply unless in a special situation. 4. When the water purifier is in use, if running water is interrupted or the pipeline is under repair, please disconnect the power supply of the water purifier and stop water intake. To restore water supply, first open the running water tap to expel the silt, and then use the water purifier normally. Otherwise, large volume of silt may cause the filter element to be clogged. 5. If water supply and power supply of the water purifier have been off for an extended period and it is used again, please open the water tap to make room temperature water for 30 minutes and then hottest water for 5 minutes. If the water taste is still bad or water quality is abnormal after water making, it is recommended to replace the filter element. 6. Treatment of old water purifier An old water purifier that becomes useless must be discarded. It is recommended to make sure it is completely unusable before it is discarded. The old water purifier contains reusable useful materials. Therefore it is required to assist in proper disposal or recycling, so as to contribute to environmental protection. 7. Treatment of waste filter elements The replaced waste filter elements cannot be cleaned and recycled. It is suggested that you discard them as solid domestic waste. 8. Before installing the water purifier If the water purifier is found to be obviously damaged before installation, do not install or use it. Please call the local after-sales service center. As a user, you are responsible for maintenance and correct use of the water purifier used at home. 9. In order to ensure that you can use the water purifier correctly and safely, you need to read the Operation Instructions of the water purifier you purchased carefully before using it, and strictly abide by the precautions in the Operation Instructions. 10. The water purifier is tested with pure water before leaving the factory. After the test is completed, it is blown dry, and incomplete drying may lead to the existence of residual water but will not affect the function of the whole machine. 11. Before installation, ensure that the voltage and frequency of the household power supply are consistent with those of the water purifier.

Product structure



- ① Rear shell
- ② Enclosure
- ③ Heating tube
- ④ Adapter
- ⑤ Power panel assembly
- ⑥ PCF composite filter element
- ⑦ MNF composite filter element
- ⑧ Booster pump
- ⑨ Ultraviolet sterilizer
- ⑩ Filter element recognition module assembly
- ⑪ Frame assembly
- ⑫ Front shell decoration

Core filtering component

Name	Short name	Material	Specification	Quantity
FOTILE folding polypropylene carbon rod ultrafiltration composite filter element	PCF composite filter element	Polypropylene+ activated carbon+ polyether sulfone	Φ112mmxL355mm	1
FOTILE polypropylene nanofiltration composite filter element/FOTILE polypropylene nanofiltration composite filter element (A)	MNF composite filter element	Polypropylene+ aromatic polyamide	Φ112mmxL355mm	1
Ultraviolet sterilizer	UV	Polypropylene+ Teflon+ silicon dioxide	ANN-FW-G9-B4.0	1

Introduction to the functions of major control components of water purifier

Power adapter	Convert 220-240V AC to 24V DC
Power panel	Control water filtration process of the whole machine
Filter element identification module	Recognize filter element
Button panel	Press the button to trigger actions such as rinse and voice prompt
Display panel	Display the machine status
Water inlet electric valve	Connect and disconnect raw water
Electric valve 1	Control connection and disconnection of room temperature water
Electric valve 2	Control connection and disconnection of warm water and hot water
Drain electric valve 1	Rinse the nanofiltration filter element
Ultraviolet sterilizer	UV for short, effectively inhibit possible bacteria* breeding in the pipeline
Heating tube	Heat the water
Booster pump	For pressure boost, in this way creating a stable environment for filter components to work properly

*: Bacteria here refers to (total) escherichia coli

Packing list

Please check the following product and accessories item by item for completeness when unpacking. In case of missing or damage:

- Please contact the distributor to deal with it if the responsibility lies with the Company or the distributor;
- Please call the local after-sales service center if the responsibility lies with the user itself.

■ Main body	1	■ PCF composite filter element	1
■ Water tap	1set	■ MNF composite filter element	1
■ Filter element handle assembly	2set	■ Accessories kit*	1set
■ Water inlet electric valve	1	■ White three-way PE pipe	1roll
■ Operation Instruction	1	■ Red two-way PE pipe	1roll
■ Anti-tear label	10	■ Heat insulation pipe	1roll
■ Milk white 2-way heat-resisting pipe (including L-type quick connector 2-way / 2-way half rod)	1roll	■ Blue two-way PE pipe (including L-type quick connector 2-way / 2-way half rod)	1roll

Accessories kit (with package)*			
■ L-type quick connector 2-way/2-way rod	1	■ L-type quick connector 3-way/3-way rod	1
■ 2-way red card buckle	6	■ 2-way half blue card buckle	2
■ 3-way red card buckle	6	■ 300mm tie	3pcs
■ 100mm tie	5pcs	■ Three-way check valve	1

Main technical parameters

Model	HJT1800 -HR7	HJT2100 -HR7-Y
Nanofiltration membrane model	MNF	
Overall dimension	435.6mm×160.6mm×434.6mm	
Rated input power	2350W	
Power supply	220-240V~/50 Hz	
Inlet pressure	0.1MPa~0.4MPa	
Inlet water temperature	5℃ ~38℃	
Operating ambient temperature	4℃~40℃	
Purification flow rate	1.8L/min	2.1L/min
Rated total water purification amount	8000L	8000L
Heating capacity	16L/h (95±5℃)	
Category of electric-shock safeguard	Class I	
Waterproofing grade	IPX4	
Applicable raw water	Municipal tap water	

- Notes:
1. The above parameters may be changed as a result of product modification and the product nameplate shall prevail;
 2. Purification flow rate, heating capacity and rated input power are calculated under standard test conditions (inlet water pressure 0.24MPa, inlet water temperature 25℃);
 3. Rated input power:The power is the maximum instantaneous power tested at 95±5 degrees out of water.

Installation instruction

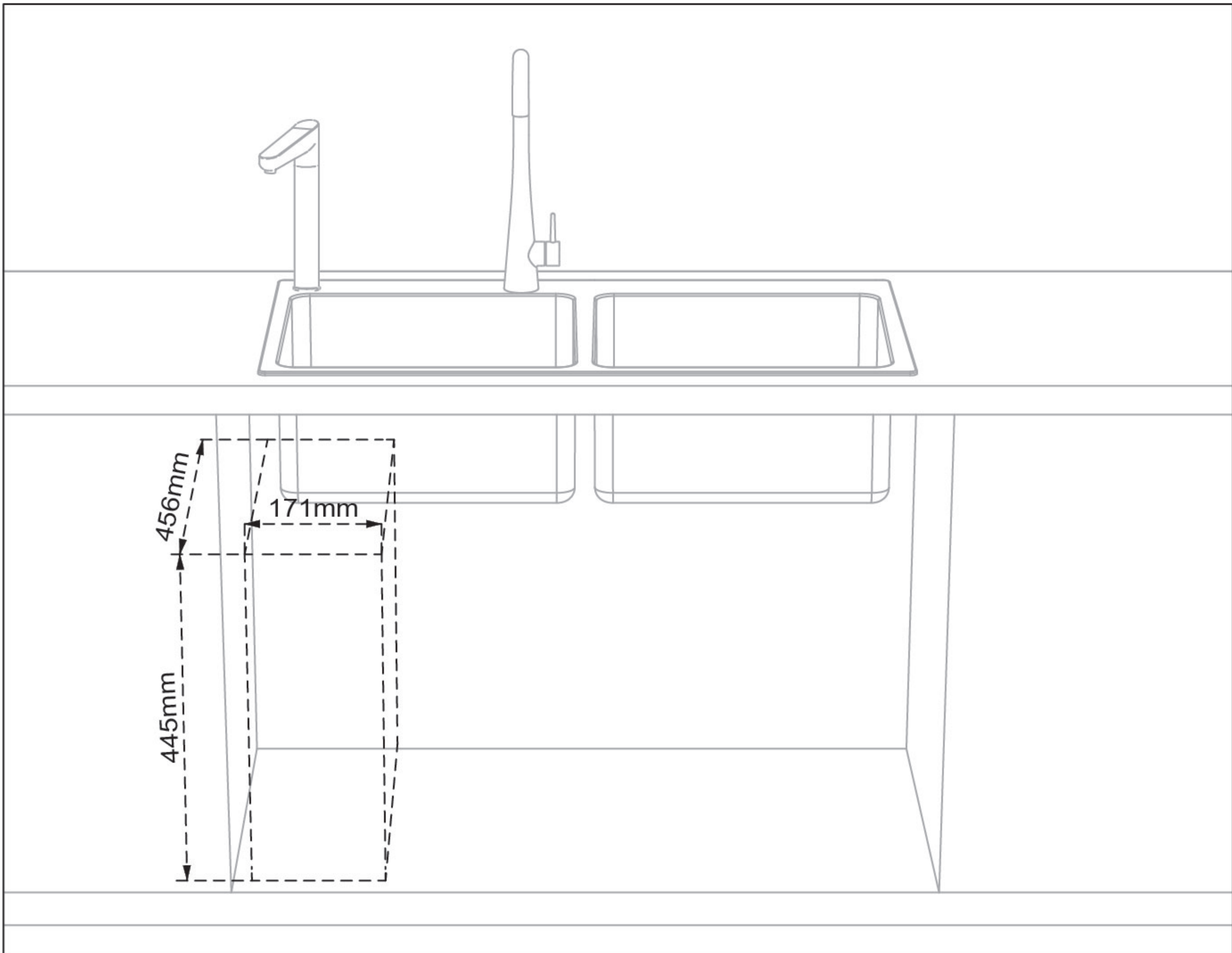
★Special note: This product must be unlocked, installed and repaired by professionals appointed by the Company. The product which cannot be used normally after being unlocked, installed and repaired by personnel entrusted by the consumer or by consumers themselves will not be covered in the scope of free maintenance even during the warranty period.

■ **Conform the following before installation:**

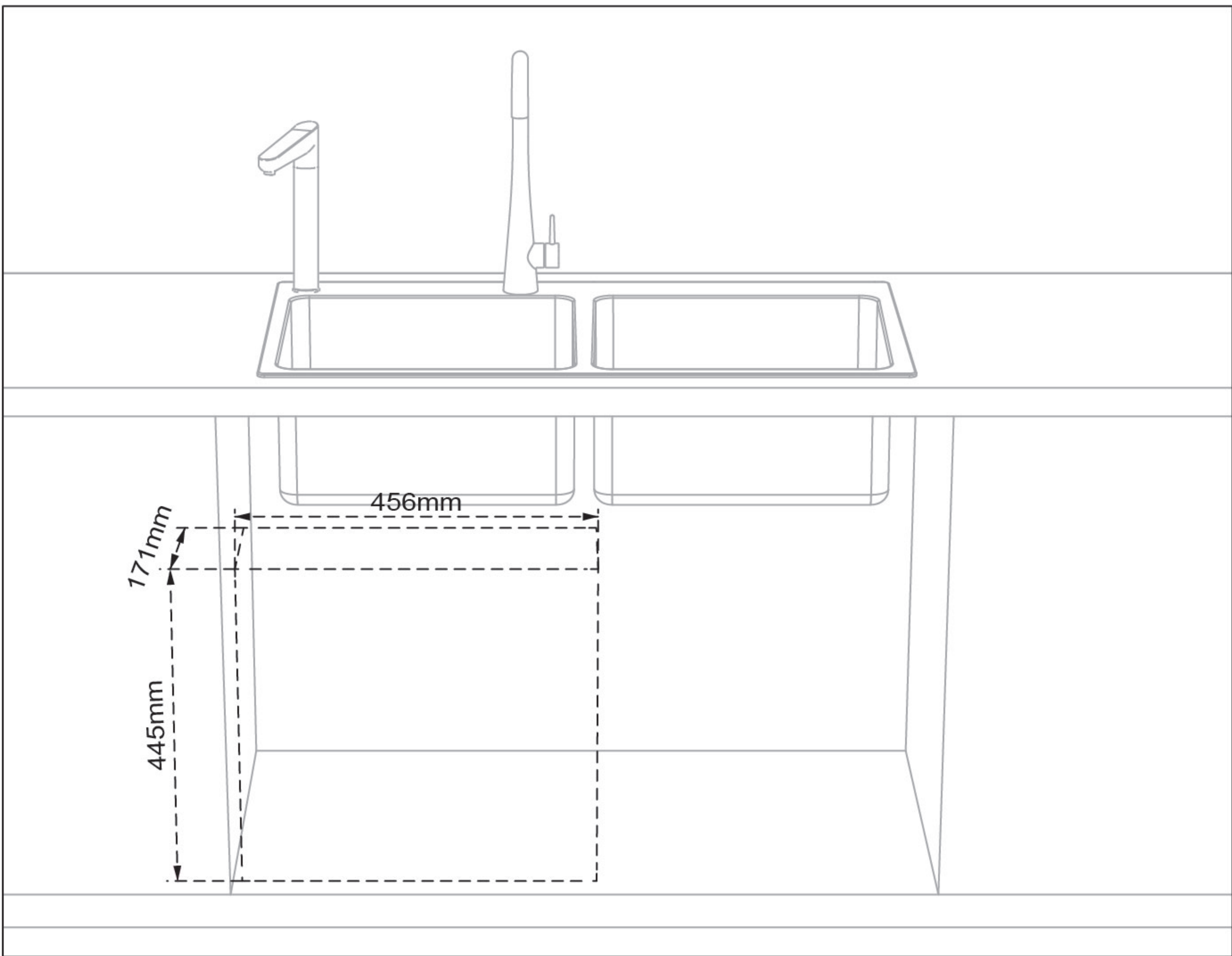
1. The position to install the water purifier (depending on actual situation);
2. The tools required for installation;
3. All the necessary installation accessories are available;
4. Do not connect water supply or power supply prior to installation;
5. Test water pressure prior to installation.

■ **Recommended installation position of main body and reserved space size:**

1. Recommended installation position 1 for main body

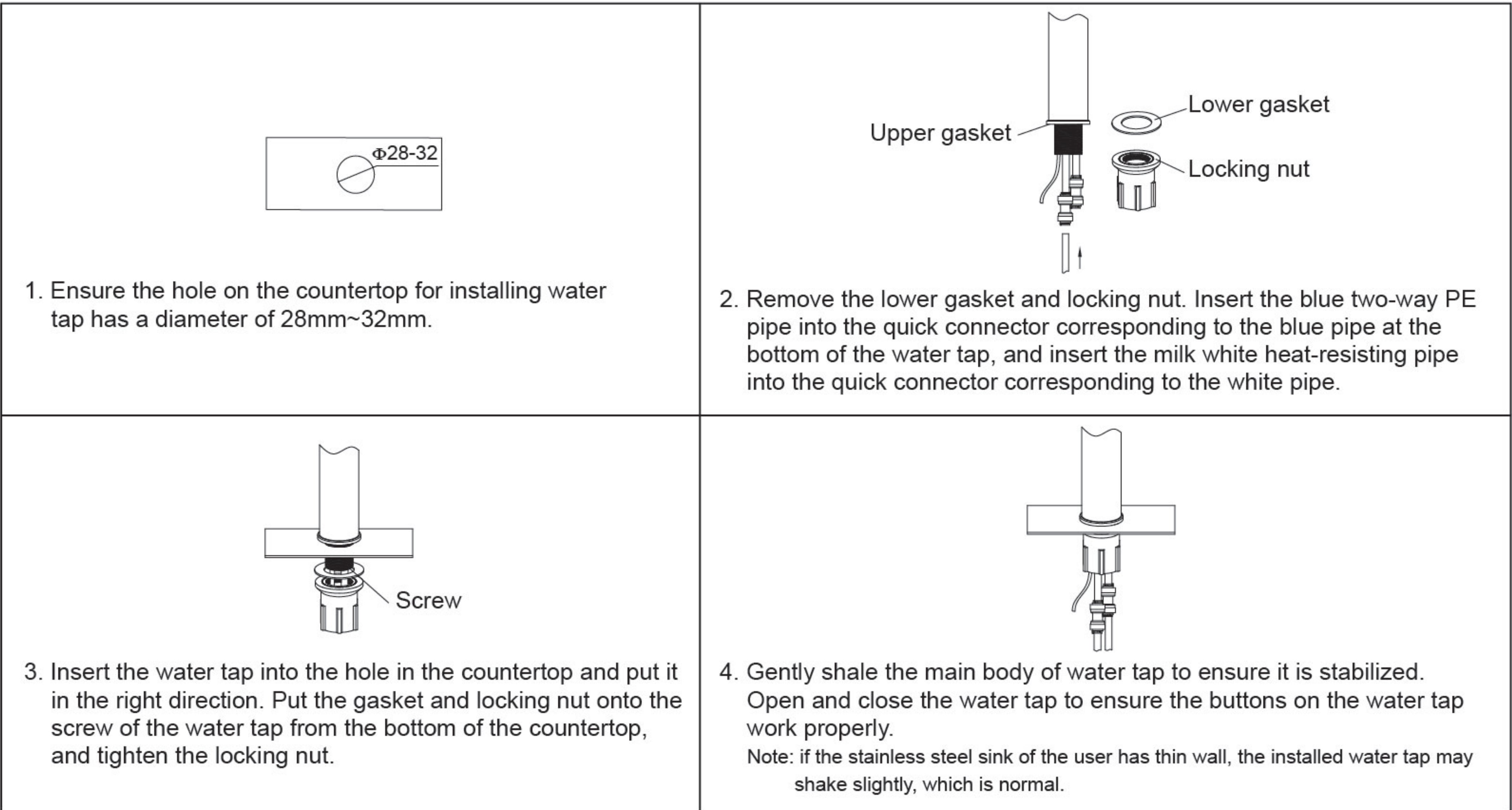


2. Recommended installation position 2 for main body



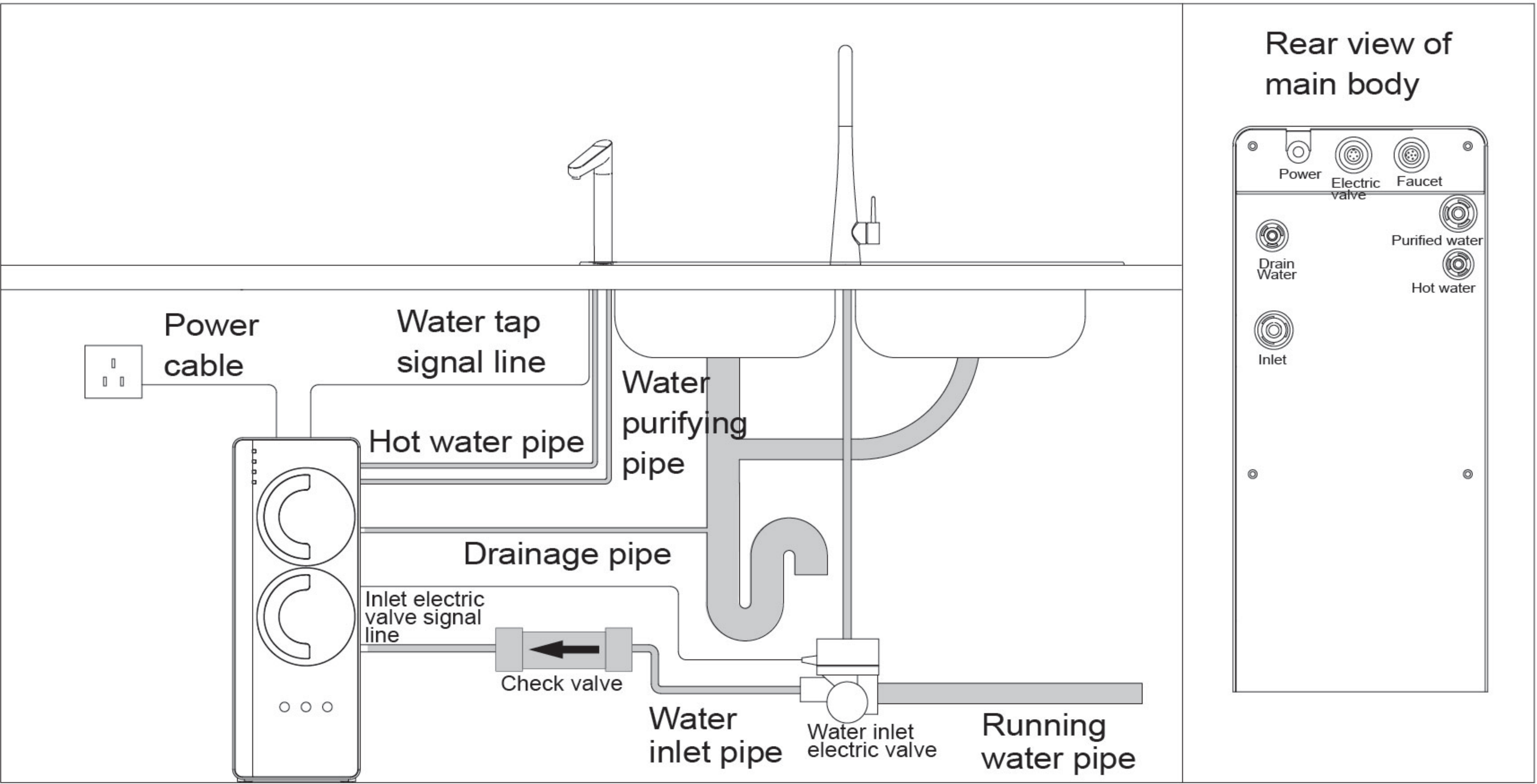
■ Installation steps

- Unpacking
Remove the package, count and check whether the contents are consistent with the list and whether they are damaged.
- Cut off water supply, check the power socket
Rotate the angle valve of tap water pipe to cut off water supply and check whether power supply at installation position is connected.
- Drill holes on the countertop and install the water tap (see the figure below)



- Install the water inlet electric valve and pressure reducing valve (pressure reducing valve not included with the unit);
 1. Detach the connector joining the original faucet corrugated hose and the angle valve;
 2. Install the water inlet electric valve on the angle valve, and keep the valve body as level as possible;
 3. Connect the original faucet corrugated hose to one of the water inlet electric valve channels;
 4. Connect a three-way PE pipe of proper length to the water inlet electric valve, and never bind this pipe with the hot water pipe of the water tap;
 5. Connect the other end of the 3-way PE pipe to the pressure gauge, and determine whether to install a relief valve according to the test water pressure.

■ Wiring diagram



● Main body installation

1. Take out the main body and place it on flat ground. Connect the power supply, and then use the unlocking card to unlock the product. If all the indicator lights are lit in red and then in white, it means unlocking is completed. Now disconnect the power supply.
2. Take out the filter element handle and filter element that have the same marking, align the "1" position on the side of filter element handle to the bulged part of the filter element cylinder and fit it there, and then rotate it clockwise to "2" position. Then insert the filter element into the corresponding position on the main body, and rotate the filter element handle clockwise to the right position.
3. Cut the three-way PE pipe connected to the inlet electric valve to a proper length. Connect one end of the three-way PE pipe to the inlet electric valve and the other end to the water inlet of the three-way check valve. Connect one end of the three-way PE pipe of proper length to the water outlet of the three-way check valve and the other end to the water "Inlet" of the water purifier. (If there is a pressure relief valve, install the check valve behind the pressure relief valve)
4. Take out the red two-way PE pipe. Connect one end of the pipe to the "Drain Water" port of the main body and the other end to the downcomer hole, and fix the pipe tightly to prevent looseness;
5. Insert the quick connector on the blue two-way PE pipe of the water tap into the "Purified Water" port of the main body;
6. Insert the quick connector of the milk white 2-way heat-resisting pipe of the water tap into the "Hot Water" port on the main body;
7. Insert the signal line of the water tap into the "Faucet" port of the main body;
8. Insert the connection line of the water inlet electric valve into the "Electric Valve" port of the main body;
9. Fix a blue card buckle at every joint.

Note: To ensure correct installation, exert a small force to insert the filter element into the water circuit panel. If the filter element is hard to fix, the user should not insert the filter element into the water circuit panel forcibly, for such an action will cause permanent damage to the water circuit panel and filter element. Such damage is not in the warranty coverage.

● Rinse and commissioning stage

1. Open the angle valve to deliver water and connect the power supply. After the self-check, both filter element indicator lights are lit in white, which means the filter element is installed properly. Then press and hold the rinse button to rinse the whole machine, until rinse stops automatically. The rinse time is approx. 5 minutes.
2. Use the water tap to make room temperature water until water making stops automatically. The rinse time is approx. 30 minutes. Do not disconnect the power supply in this process, otherwise the rinse process will be repeated entirely.
3. After room temperature water is discharged for 30 minutes, water will automatically flow into the internal pipeline to rinse it. Rinse will last about 2 minutes.
4. If the rinse process is not completed, the machine will be unable to execute the heating function and unable to make hot water.
5. In the rinse process, take caution to check the filter element to see if it is installed in position and check whether there is any water leakage point or seepage point. In case of a problem, immediately disconnect water and power supply until re-inspection is done. In this case, the

above rinse process needs to be redone.

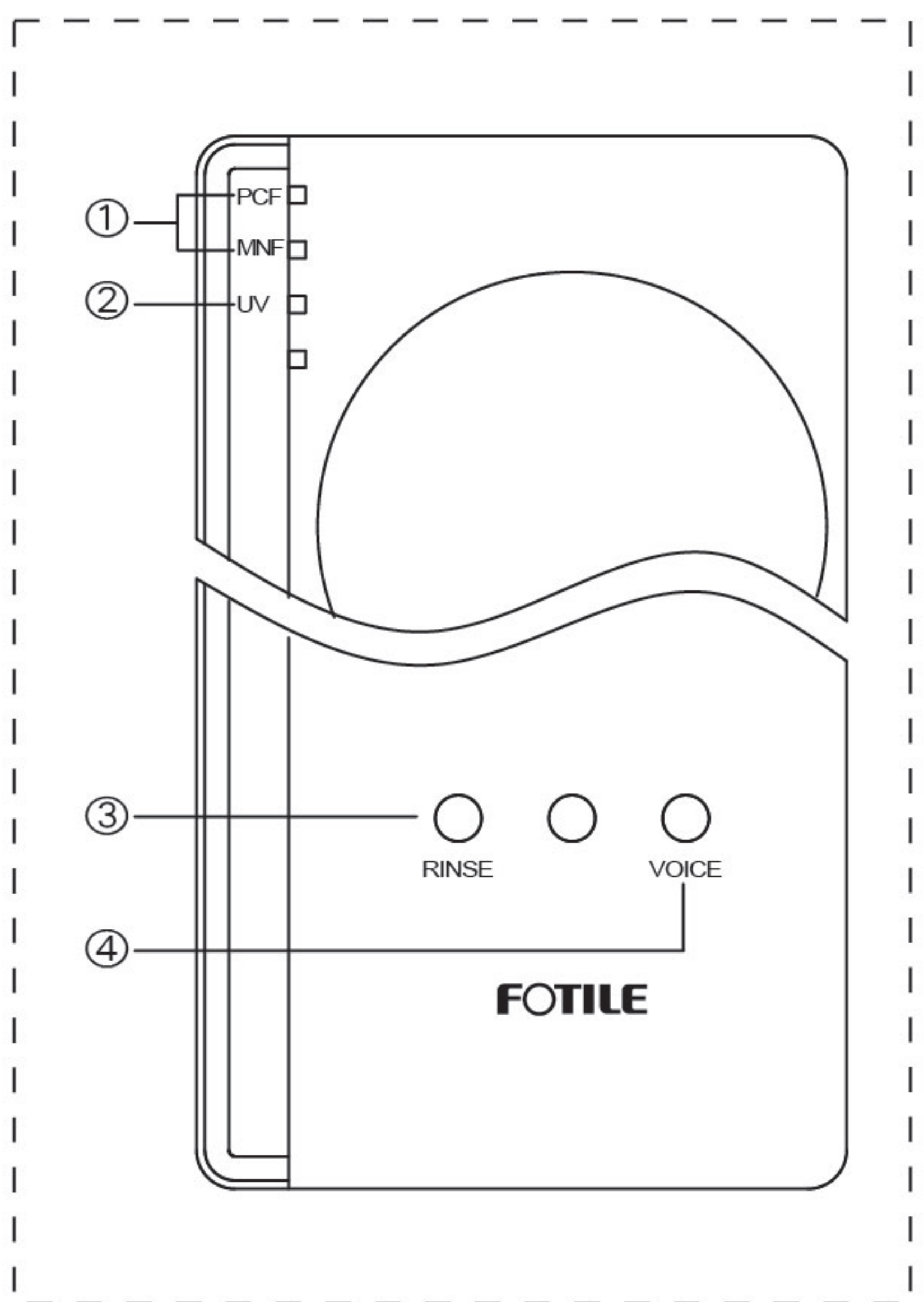
6. After rinse is completed, operate the water tap to ensure the water tap can discharge room temperature water and hot water normally, the machine has no abnormal noise, and the displayed status of main body is the same as that of water tap.
7. The filtering membrane is hydrophilic because it contains moisturizing components (mainly food-grade glycerin). To activate the function of the membrane, maximize the purifying effect of the filter element and ensure best taste of the water, the machine should be used as much as possible on the first day after its installation and the produced water should be used for kitchen cleaning instead of drinking.

● Installation completed

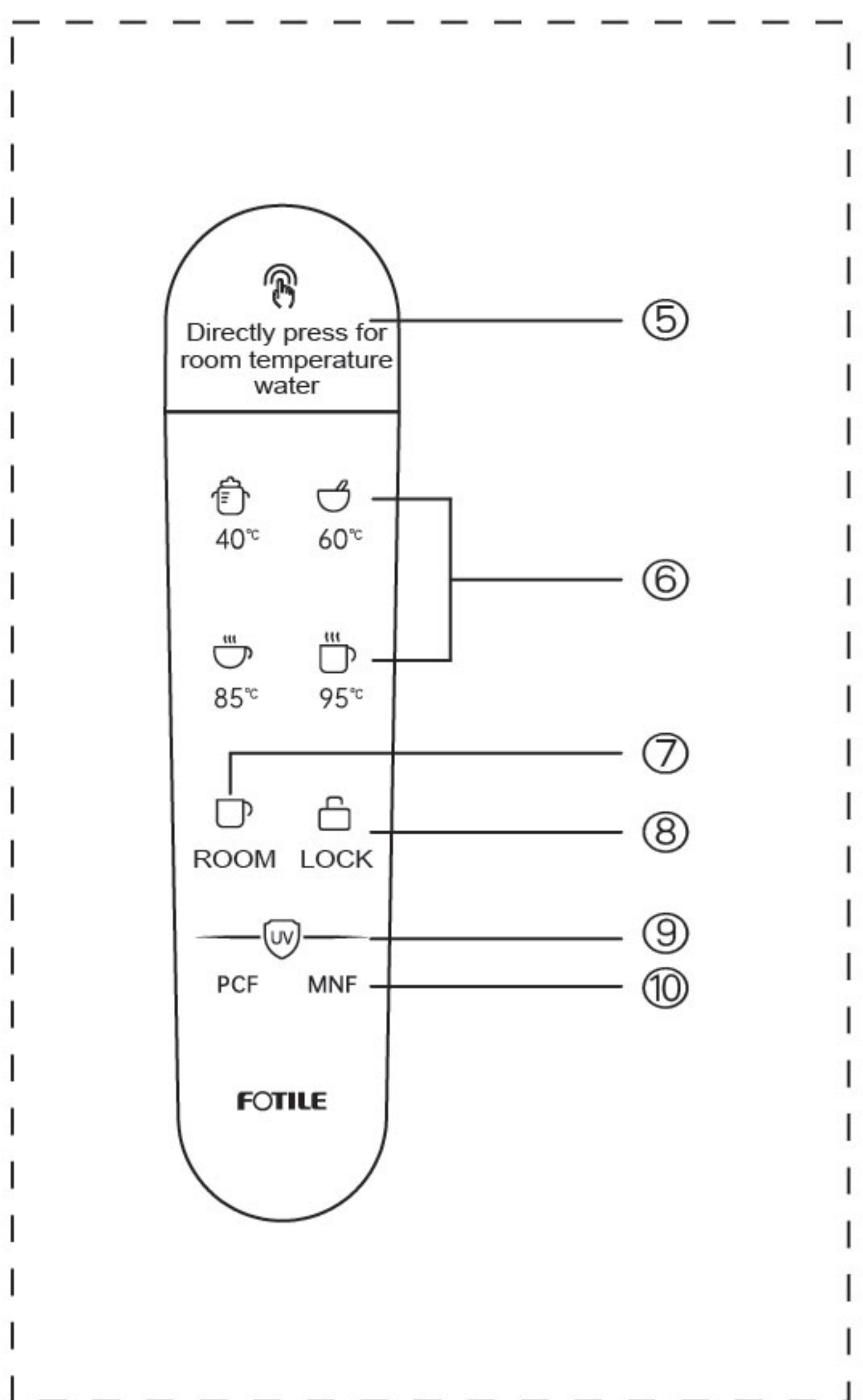
Handle the main body carefully and put it in place, arrange the water circuit cables, wipe and clean them.

Operation guidance

■ Operation panel



Main body control panel



Water tap control panel diagram

■ Introduction to control panel buttons and display interface

● Display interface

- ① Filter element status lamp: this lamp indicates the remaining service life of each filter element. The upper and lower lamps respectively represent the two filter elements of the water circuit system. The filter element has normal service life if the white lamp is constantly lit; the filter element has its service life expired if the red lamp is constantly lit; the filter element is not recognized if the red lamp flickers.
- ② Ultraviolet sterilizer status lamp: this lamp indicates the working status of the ultraviolet sterilizer. The ultraviolet sterilizer works normally if the white lamp is constantly lit.

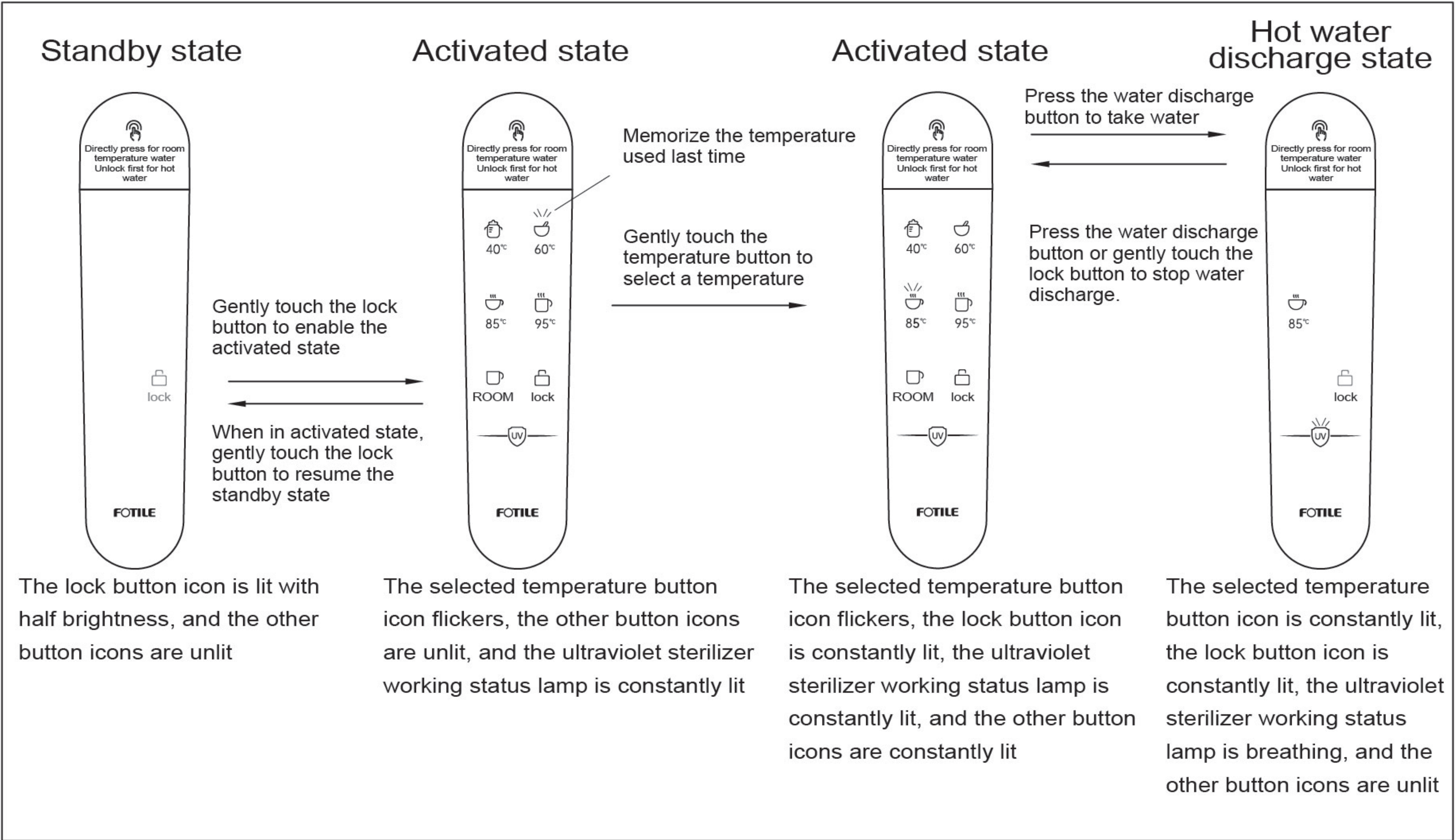
● Operation buttons

- ③ Rinse button: when the main body is activated, press and hold this button for 3s to activate the rinse function and start rinse.
- ④ Voice button: when the main body is activated, press and hold this button for 3s to enable or disable voice function.

● Water tap display interface

- ⑤ Water discharge button: press this button to let the water tap discharge water and stop water discharge.
- ⑥ Hot water button: when in unlocked state, gently touch the icon to select the desired temperature. If the icon flickers, it means the temperature is selected; if the icon is constantly lit and the other temperature icons are unlit, it means the hot water of that temperature is being discharged.
- ⑦ Room temperature water button: when in unlocked state, gently touch the icon to select room temperature water. If the icon flickers, it means room temperature water is selected; if the icon is constantly lit and the other temperature icons are unlit, it means the room temperature water is being discharged.
- ⑧ Lock button: it is used to lock and unlock the water tap and to stop water. It is touch controlled. Half brightness means locked state, and full brightness means unlocked state.
- ⑨ Ultraviolet sterilizer working status lamp: the breathing status of this lamp means the ultraviolet sterilizer is working (the UV icon is given on the actual product).
- ⑩ Filter element life indicator lamp: if red lamp is constantly lit, it means the service life of the filter element is expired.

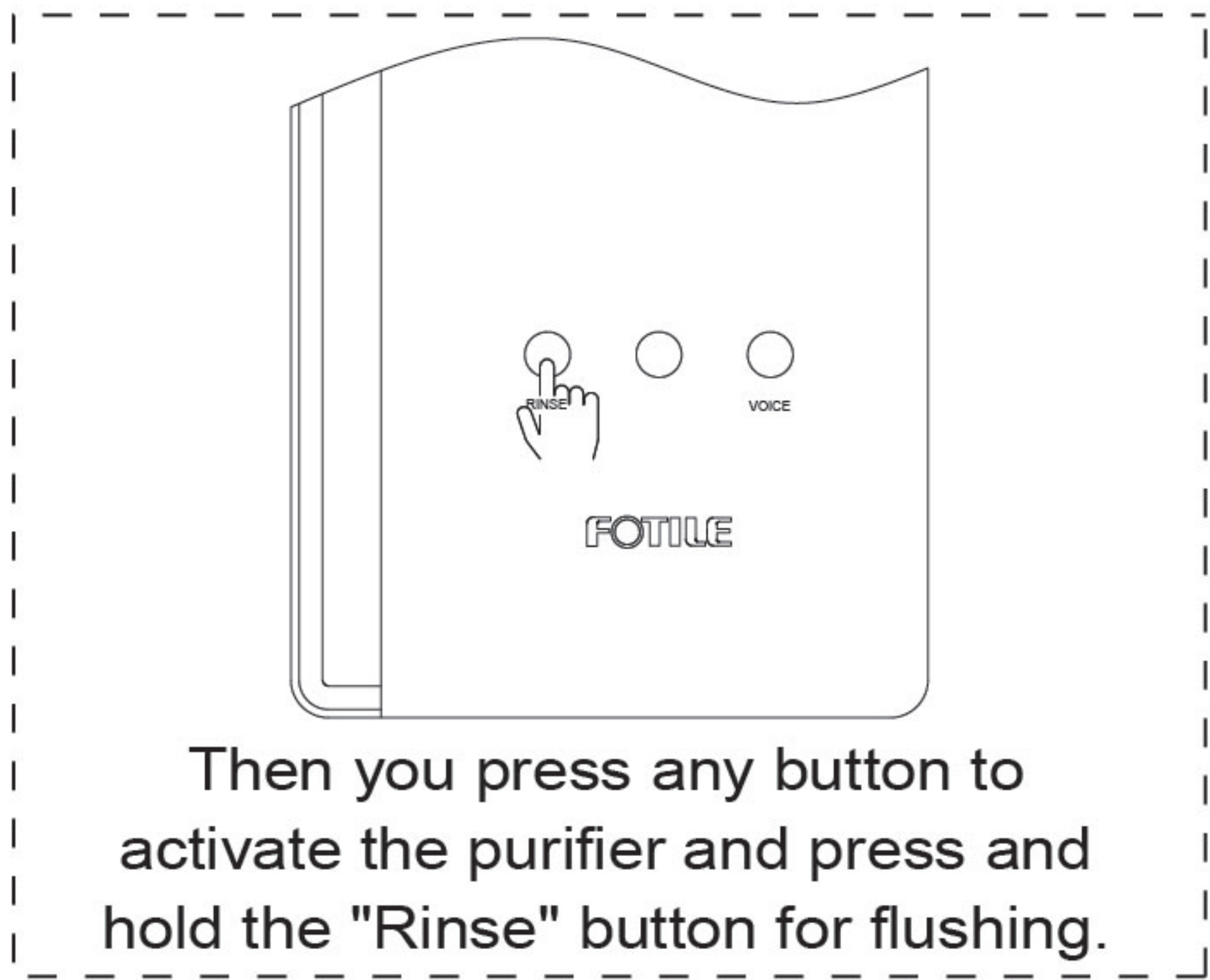
■ Instructions for taking hot water



- Notes:
- This product produces hot water in the following gears: 40 °C gear, 60°C gear, 85°C gear, 95°C gear.
 - 1. When in laboratory testing condition, the heated water inside can reach a maximum temperature of 95°C. The preset hot water temperature may differ from the actual hot water temperature by $\pm 5^{\circ}\text{C}$ due to external factors such as pipes, altitude or temperature.
 - 2. In case the water purifier is out of service for some time, your first cup of water may not be very hot because the water temperature of the pipeline has dropped;
 - 3. If you lower the temperature, your first cup of water may be hotter because the water temperature of the pipeline remains higher;
 - 4. In the case of warm water, touching or cleaning is not allowed lest you get scalded partially;
 - 5. In the case of hot water, the flow may vary intermittently, which is normal. Go on using it as usual.

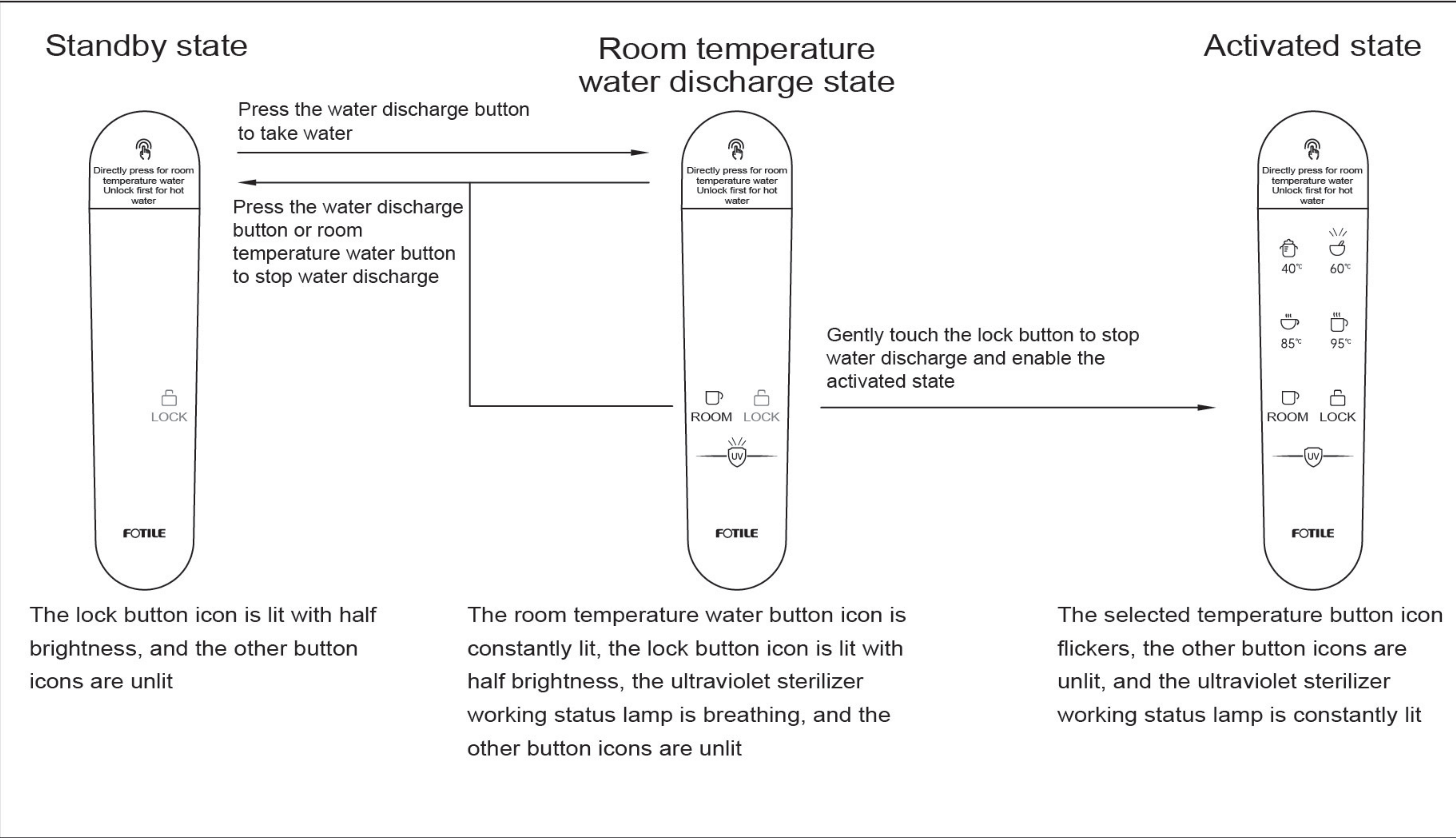
■ Rinse function

The water purifier has a power-on function and a 6-hour (default) automatic rinse function. The "Rinse" button on the main body is for manual forced flushing. In the activated state, you can press and hold the "Rinse" button to rinse the filter element (Fig. 1). This is a function intended for installing a new water purifier or starting to use a long out-of-service one, replacing a filter element, etc.



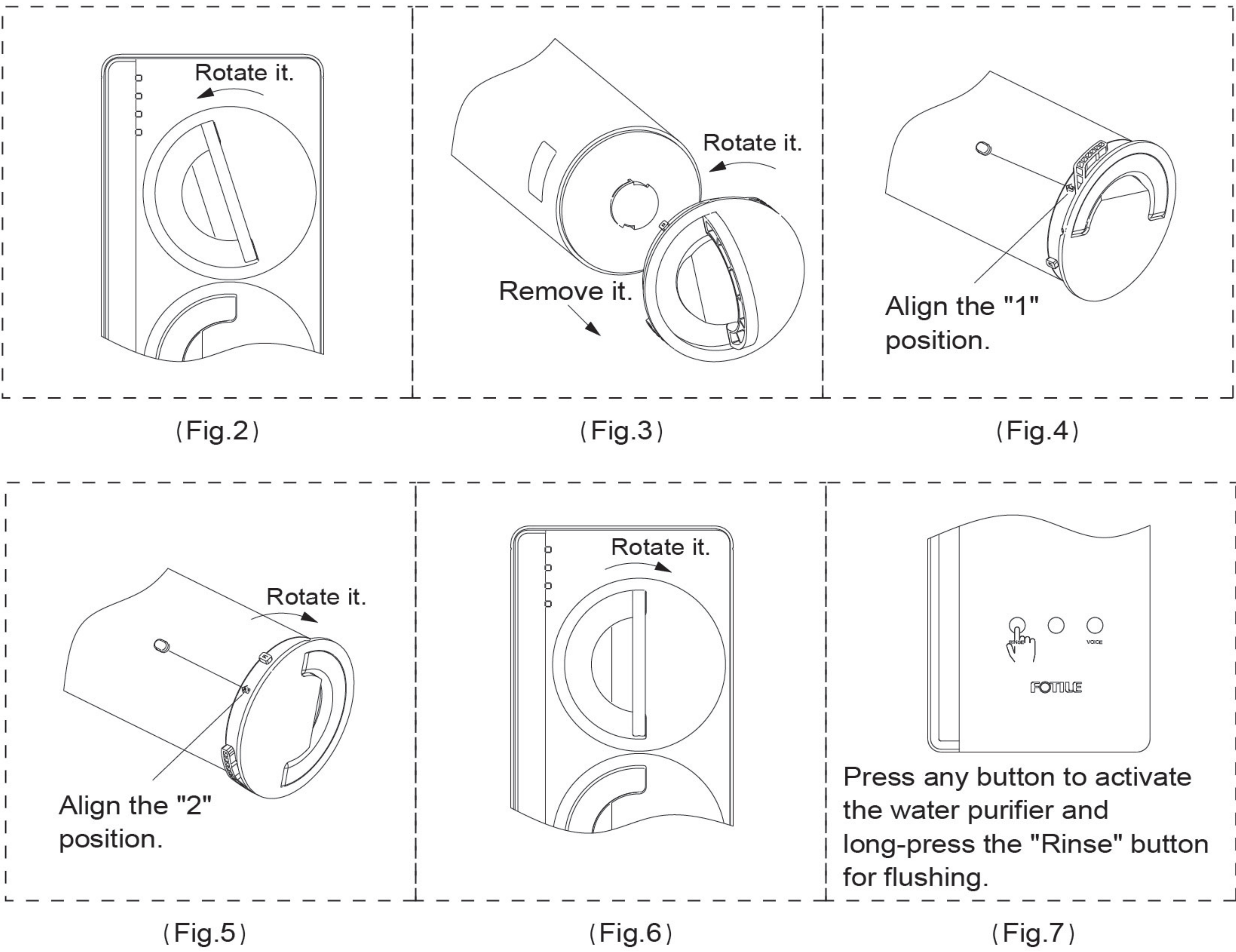
(Fig. 1)

■ Instructions for taking room temperature water



■ Replacement of filter element

1. Close the inlet angle valve, turn on the water tap and keep the room temperature water flowing for about half a minute, and power off the water purifier;
2. Rotate the handle counterclockwise to remove the filter element (Fig. 2). Spin the handle counterclockwise again to remove the handle (Fig. 3);
3. Wipe the whole machine;
4. Take out a new filter element, align the "1" position on the side of the filter element handle to the bulged part of the filter element cylinder, fit the handle there (Fig. 4), and then rotate the handle clockwise to the "2" position (Fig. 5). Then insert the filter element into the corresponding position on the main body, and rotate the filter element handle clockwise to the right position. Now the filter element is installed (Fig. 6).
5. Connect the water and electricity, and wait for the self-check to complete;
6. Press any button to enter activation mode, and long-press the "Rinse" button for flushing (Fig.7). After the flushing, turn on the water tap for room temperature water (for a detailed rinsing process, see "Rinse commissioning stage" in the "Installation instructions".
7. Put the main body in place, arrange the water pipelines and electric wires, and wipe the main body clean.



■ Voice reminder function

Scenarios and content of voice reminders are shown in the table below.

Function description	Triggering condition	Content of voice reminder	Frequency of voice reminder
Filter element identification reminder	A FOTILE filter element for this model is installed but in an improper position.	"Filter installation position is incorrect."	The reminder goes off after filter element installation and power-on self-test.
	A FOTILE filter element for another model is used.	"Filter is not compatible with this model."	The reminder goes off after filter element installation and power-on self-test.
About-to-expire filter element reminder	The filter element is about to expire.	"The PCF/MNF filter is about to expire. "	The reminder goes off after the water purifier is powered on and gets triggered at an interval thereafter.
Expired filter element reminder	The filter element expires.	"The PCF/MNF filter has expired. Please replace it."	The reminder goes off after the water purifier is powered on and gets triggered at an interval thereafter.
Long out-of-service reminder	If the water purifier has not been used for 7 consecutive days, the reminder will be given when you first use it.	"Water purifier has not been used for over 7 days. Please flush water for 1 minute before use."	The reminder goes off the first time the water tap is turned on after seven days.
Hot water reminder	85°C/95°C hot water is dispensed.	"Hot water is about to be dispensed. Please be careful."	The reminder goes off when 85°C/95°C hot water is dispensed.
Rinse commissioning reminder	The reminder is triggered when a filter element gets rinsed during installation or replacement.	"Flushing and calibration in progress. Please wait."	The reminder goes off at the beginning of rinsing and gets triggered when the water tap is operated during the process.
Power-on rinse reminder	The reminder is triggered when a filter element gets rinsed automatically after the water purifier is powered on.	"Power on flushing in progress. Please wait."	The reminder goes off before the power-on rinse and gets triggered when the water tap is operated during the process.

Voice reminders can be tuned off. The main body gets started by default upon powering on, and pressing any button may activate it. You may press and hold the "Voice" button for 3 seconds to turn on/off the reminders. When multiple triggering conditions are met at the same time, the reminders will go off one by one. Voice reminder scenarios are not limited to what's given in the table. Voice reminder content is subject to what the real content is.

Suggestions on use

About filter components

- Suggested lifetime (for reference only):

PCF composite filter element	12 months
MNF composite filter element	24 months
Ultraviolet sterilizer	7000 hours

- The suggested lifetime is put forward based on the quality of tap water from the municipal water supply and the average household water consumption. The water purifier is suitable for household use only, and do not install it in a public place where a large amount of water is required.
- The filter-element-expiration indicator light of the water purifier is for reference only and is not the sole criterion for replacing the filter element.
- If the replacement period expires and the reminder does not go off, it could be that the lifetime was not counted due to water or power outages.

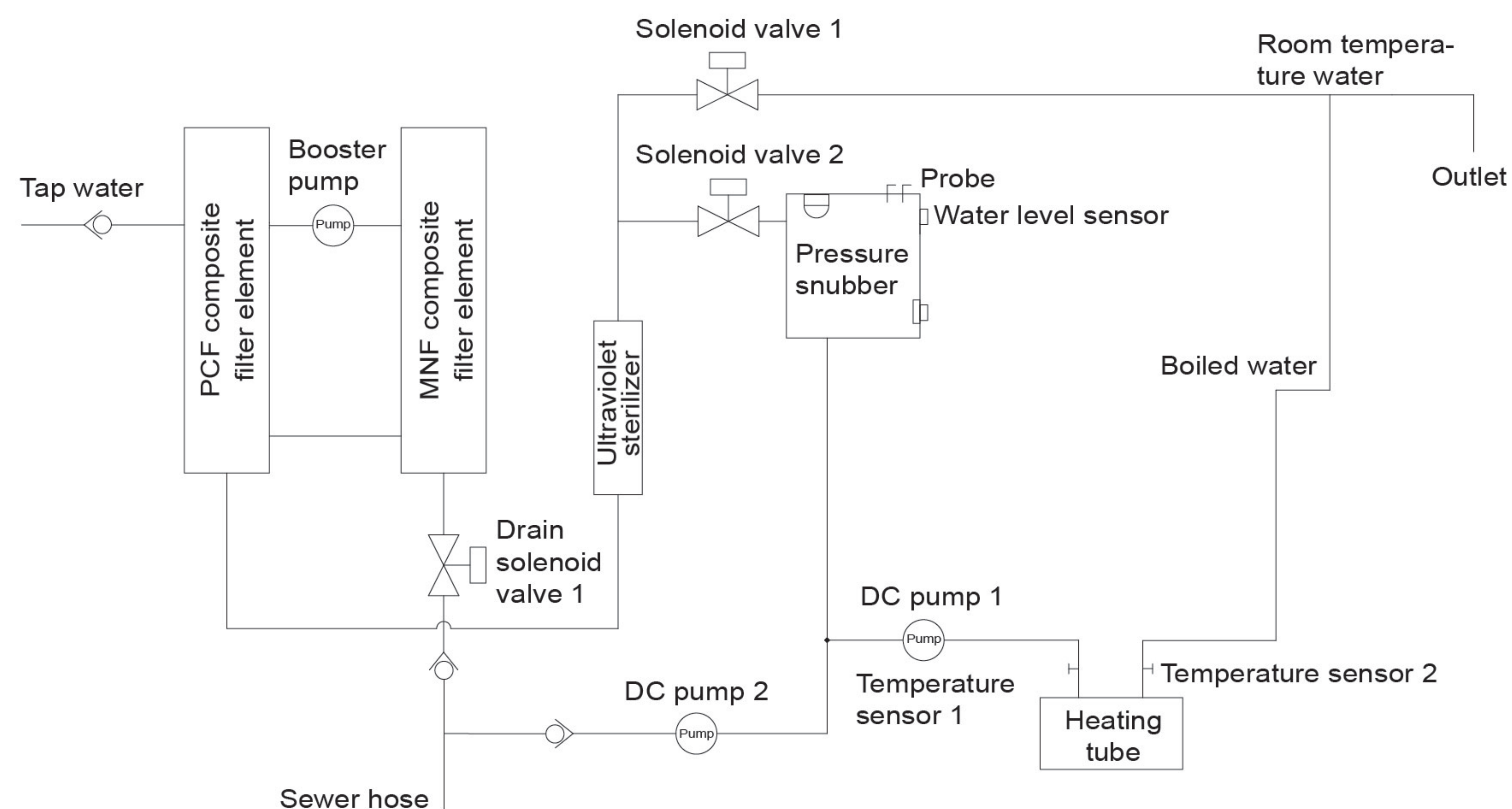
In actual use, how long a filter element can be used may differ greatly from the suggested lifetime due to variations in water quality and the usage rate of the water purifier. For instance, the filter may get clogged or ineffective prematurely. So, it's advisable to replace a filter element according to its actual conditions. In general, consider replacing your filter element if:

- The quality of purified water deteriorates, affecting the taste;
- The water purifier alerts you to the expiration of the filter element;
- The flow rate decreases significantly. Check if the filter element or the membrane is clogged (whether it is a result of water temperature or pressure drop);
- The outer surface of the filter element is covered with sludge and impurities, or the filter element is seriously discolored;
- The filter element is so badly clogged that the water purifier cannot purify water or dispense purified water.

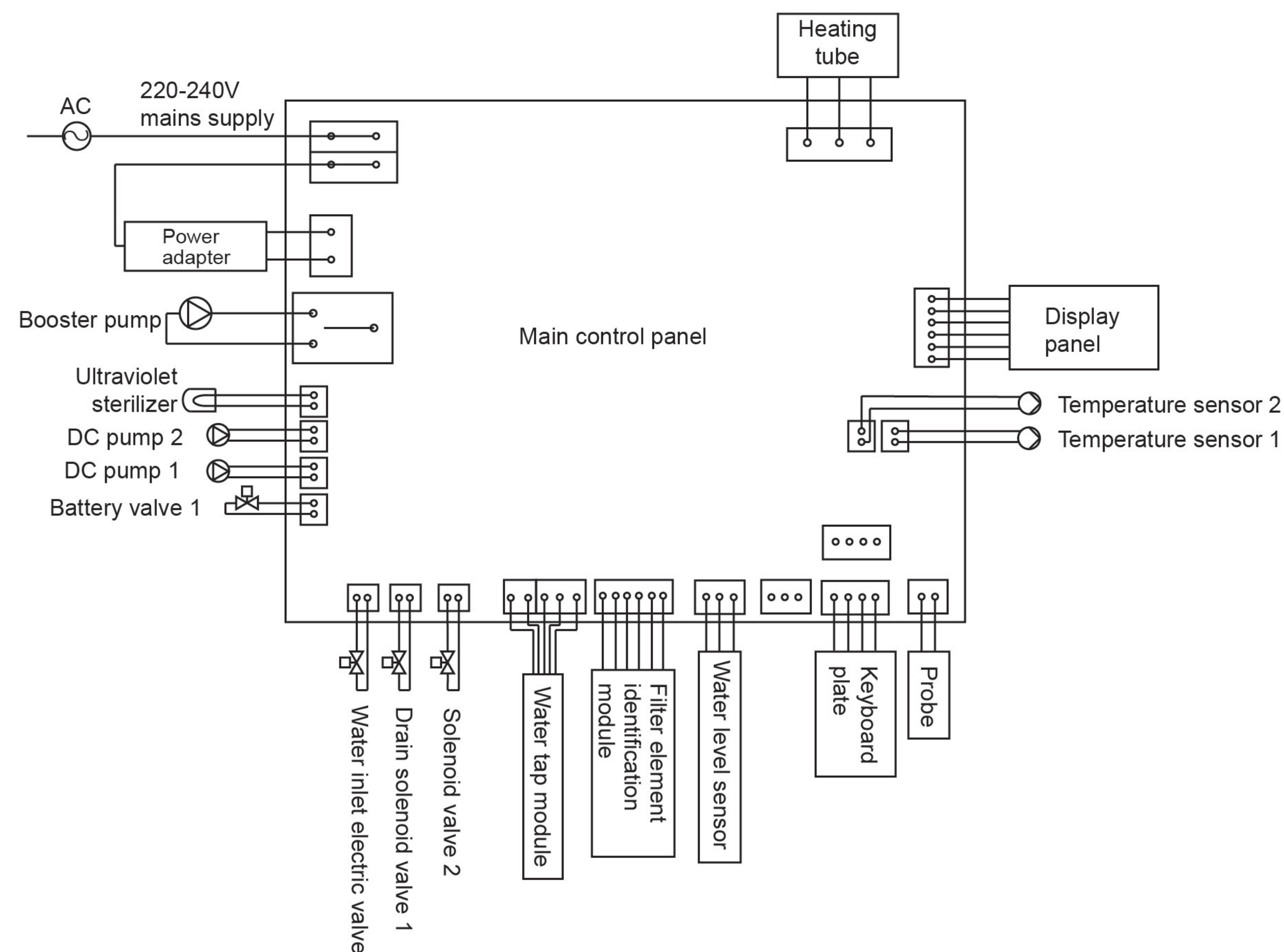
Precautions

- Purification flow rate and heating capacity of water purifier**
The purification flow rate of the water purifier is influenced by factors such as the pressure and temperature of inlet water. The nominal purification flow rate is measured at an inlet water pressure of 0.24MPa and an inlet water temperature of 25°C. If the inlet water pressure is below 0.24MPa or the inlet water temperature is less than 25°C, the purification flow rate of the water purifier may be lower than the nominal value. The heating capacity of the water purifier is affected by water temperature, room temperature, voltage, altitude, etc. The nominal heating capacity is measured under conditions such as a water temperature of 25°C, room temperature of 25°C, and AC voltage of 220-240V. The heating capacity under different conditions may differ from the nominal value.
- Treatment of waste filter elements**
The replaced waste filter elements cannot be cleaned and recycled. It is suggested that you discard them as solid domestic waste.
- The water purifier is built with an automatic rinse function.** When you are out for a long time or do not use the water purifier, make sure it is connected to the mains and the water supply network. If the water and power supplies need to be shut down, when you use the water purifier again, turn on the water tap and keep running room temperature water for 30 minutes and then the hottest water for 5 minutes. If the water still tastes bad or the water quality remains poor, it is recommended to replace the filter element.
- In case any of the following, immediately switch off the inlet water supply and power supply to the water purifier (switch off the inlet angle valve) for repair purpose;**
 - The pipeline or related components of the water purifier leak;
 - Relevant components of the water purifier fail;
 - Parts and components leak electricity;
 - The water pipelines of the water purifier are frozen.
 - There are any other abnormal phenomena or faults.
- If any relevant components of the water purifier are damaged, please contact the local after-sales service center to get our after-sales service professionals to help you replace it lest any losses be caused due to improper operation.** The Company will not assume any legal responsibility for all the losses caused by failure to operate or use according to the instructions and reminders.
- The default interval for automatic rinse is 6 hours.** Changing the automatic rinse interval of the water purifier may result in substandard water quality and reduced lifetime of the filter element.
- Due to increased gas solubility during high-pressure physical filtration of tap water by the nanofiltration water purifier, minor bubbles may appear when the purified water flows out (these bubbles, milky white and smaller, resemble foam in carbonated beverages, accumulate and float on top of the water, like suspended matters).** As the water is free of impurities and the bubbles are very small, they may last longer before disappearance. However, after a while, the bubbles will naturally disappear and the water becomes clear. This is a normal physical phenomenon with no harm to the human body.

Water pipeline diagram



Electric wiring diagram



Common fault identification and troubleshooting

Common fault	Possible cause	Troubleshooting method
No response upon powering on, all indicator lights off, and no response after pressing the buttons	The whole machine is not properly powered on.	Check if the power supply is normal. Replug the power plug and make sure that the power plug and all wiring harnesses of the main body are properly connected.
No water dispensing	The inlet angle valve is not open or the water supply is interrupted temporarily.	Fully open the inlet angle valve.
	The power cable, the wire for the water tap, or the wire for the inlet electric valve comes off.	Connect all wiring harnesses properly.
	A pipeline is bent.	Check and straighten the bent pipeline.
	The filter element is clogged.	Replace the filter element.
Water leakage	The pipelines of the water purifier are not properly connected.	Reconnect the leaking pipelines.
	The sewer hose is clogged, causing backflow.	Unclog the sewer hose.
	The countertop, sink, waste disposer, dishwasher, etc. leak.	Repair other leaking items.
The water purifier makes a loud noise.	The cupboard resonates or the water purifier collides with other items.	Arrange the items beside the water purifier to prevent them from colliding with the water purifier.
	The inlet angle valve is not fully open.	Fully open the inlet angle valve.
	The inlet water pressure is low.	Check the inlet pressure of raw water.
The water tap button fails or is unresponsive.	There are water drops on the water tap icon of the screen.	Remove water drops from the water tap.
	The water tap is not energized.	Check if the water tap and the main body are well connected. Replug the power plug if necessary.

Warning: If water purifier faults persist despite following the above troubleshooting steps, please call the local after-sales service center to get our after-sales service professionals to help you repair it lest any losses be caused due to improper operation.

