






Instruction Manual
Blue Spring 

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Precautions

- Scope of use - This appliance compliances to the Lead Free requirements of the National Construction Code volume three, and installation is subject to the requirements of the applicable regulatory authority, the National Construction Code volume Three - Plumbing Code of Australia, associated reference standards as applicable at the time and AS3497.
- The applicable temperature for product installation is 5°C - 38°C (41~100°F).
- To ensure the water quality, please use this product under tap water with a water pressure of 0.1~0.8MPa.
- Do not use it in places exposed to strong sunlight, otherwise it will easily cause aging of product components.
- Do not place heavy objects on the product, handle it with care.
- Please install the product in a place with a floor drain.
- Children and persons with intellectual disabilities should use this product with the cooperation of their guardians.
- Do not use other accessories not approved by the manufacturer. If the machine fails due to this, the warranty will be terminated.
- Please check whether the product is damaged after unpacking, and check whether the accessories are complete.
- If the product fails, please close the water inlet valve, and never put the defective product in working condition.
- The water flow rate of this product is affected by water quality and water pressure. When the water quality does not meet the standard and the water pressure is too low, the water output will decrease less than the nominal value.
- Be sure to use the accessories provided by our company, otherwise the product performance may be affected.
- Do not put the product in contact with or close to heat sources or open flames.
- Please clean and replace the filter element regularly to ensure the purity of drinking water and product life.
- In case of water failure or pipeline maintenance, please cut off the power supply and close the three-way ball valve.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service

	Any content with this mark must be prohibited, otherwise it may cause damage to the product or endanger the personal safety of the user.
	All content with this mark must be operated in strict accordance with the requirements, otherwise it may cause damage to the product or endanger the personal safety of the user.
	All content with this mark is a part that users must pay attention to, otherwise it may cause product damage or other losses due to improper operation.


Prohibition




Avoid sunlight and outdoor places.
Avoid installation in direct sunlight and outdoor places




Freeze-proofing
Do not store or expose products to environments below 0°C




Avoid exposing to heat
It is forbidden to store inflammable, explosive or easily deformed items near the machine



Warning




Fault treatment
When the machine fails, please cut off the water source and power supply quickly




Avoid child contact
Don't let children operate




Emergency call
Call your local sales service center for help



Attention




Maintenance
Do not remove the parts on the machine by yourself to prevent water leakage and damage to the machine




Temperature
Please use it in a 4 - 40°C dry place



If the water purifier has not been used for more than 24 hours, please turn off the water source



Accessories and filter elements
To keep the machine running normally, please use the accessories and filter elements provided by our company



Correct maintenance service
The company designated after professional training and certified personnel can repair this machine

Packing List

RO water purifier	1 set
Faucet	1 set
Three-way ball valve	1 set
1/4-inch PE tubing	2 roll
3/8-inch PE tubing	1 roll
Instruction manual	1 copy
Accessory pack	1 pack
1/4-inch Quick Connectors	2 pieces
T-shaped Connector	1 piece

Product Parameters

Product model	E-1000
Rated voltage/frequency	220V~ 50Hz
Rated power	115W
Adapter output voltage	24V
Applicable water temperature	
Pure water flow	2.6/min
Rated total water purification	4000L
Ambient temperature	4°C - 40°C
Ambient humidity	≤90%RH
Working pressure	0.4 - 0.8MPa
Water inlet pressure	0.1 - 0.4MPa
Product dimension	40.5 × 15 × 34.8cm

● WaterMark Certification Number: [WM-032387]

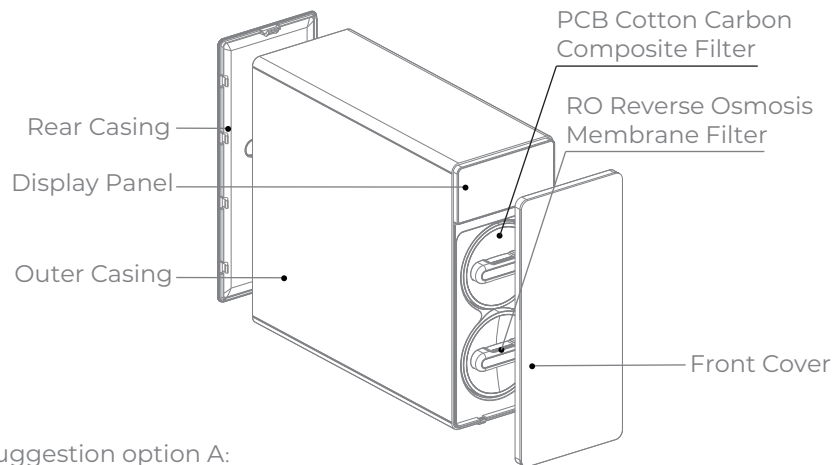
● Model Number: H2O BlueSpring

● The following caution must appear on packaging and/or user manual:

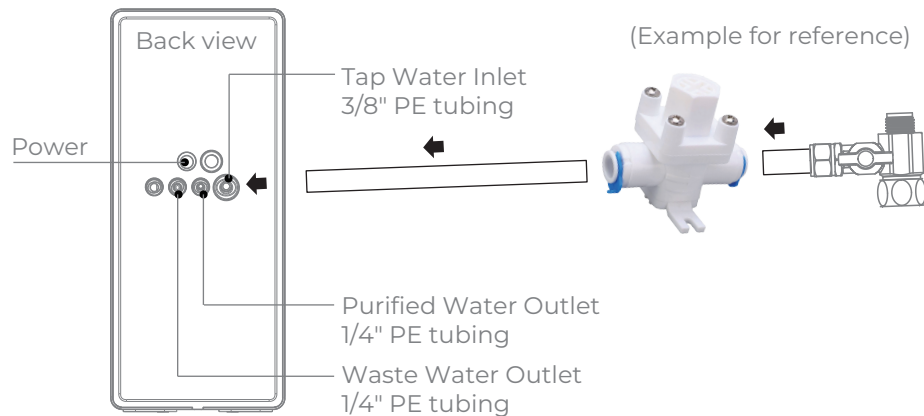
CAUTION: DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM. SYSTEMS CERTIFIED FOR CYST REDUCTION MAY BE USED ON DISINFECTED WATER THAT MAY CONTAIN FILTERABLE CYSTS.



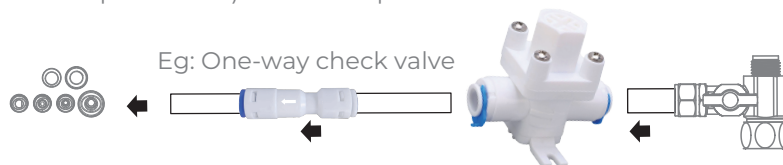
Parts Diagram



Suggestion option A:
We recommend installing a **pressure control valve** after water inlet (from Feed Water Adapter), especially when the water pressure may exceed 0.8 MPa



Suggestion option B:
According to actual needs, install an additional one-way check valve (Backflow prevention) before the pressure control valve.



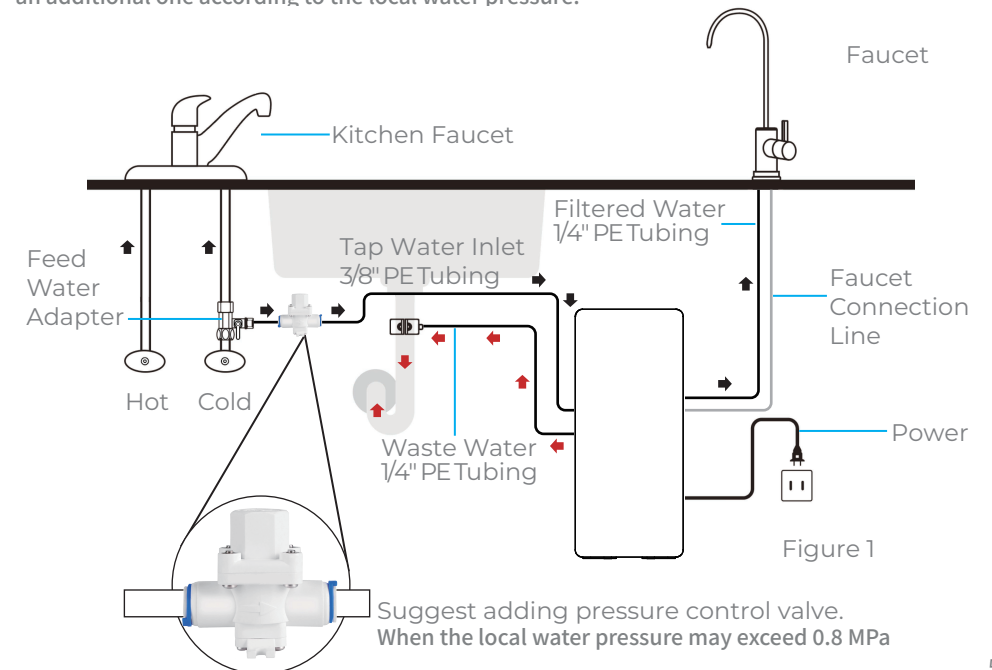
Filter Element Function and Service Lifetime

Filter Name	Filter Function	Lifespan
(PCB) Cotton Carbon Composite Filter	PCB - The PCB filter effectively improves the taste of water by reducing chlorine, unpleasant taste, and odors.	6-8 months
(RO) Reverse Osmosis Membrane Filter	RO - The RO filter's theoretical filtration precision can reach 0.0001 microns.	12-16 months

Installation Instruction

For an example of installation effect, please connect the pipeline according to the nozzle position mark of the fuselage (see Figure 1).

- Install an isolating valve on the inlet pipe to allow for safe maintenance and shutdown.
- If local water pressure may exceed 0.8 MPa, it is recommended to install a pressure control device at the inlet.
- Where required, ensure compliance with backflow prevention requirements as set out in "NCC Volume Three", Plumbing Code of Australia.
- This product is already equipped with a built-in one-way check valve, and you can also install an additional one according to the local water pressure.



1.How to use the quick-connect fittings



Figure 2

To connect:

- Push the tubing into the fitting (Figure 2).
NOTE: If the tubing is not fully inserted, no seal will be created and leakage will occur.
- When the tubing is fully inserted, put the blue lock clip on the fitting. It will lock the tubing in place and prevent it from falling off.

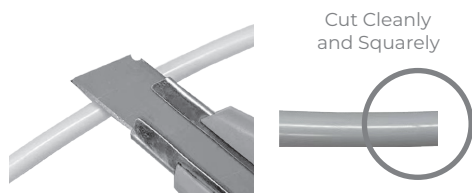


Figure 3

Cut Cleanly
and Squarely

NOTE: If the tubing is too long, cut it to a suitable length with a sharp utility knife or scissors. Cut the tubing squarely and cleanly (Figure 3). Make sure the tubing is fully inserted (about 0.8").

To disconnect:

- Remove the blue lock clip from the fitting;
- Use your thumb and index finger to press down the lock sleeve. Use your other hand to pull out the tube from the fitting (Figure 4).
NOTE: Please do not pull out the tubing directly. This will damage the fitting and cause leakage.

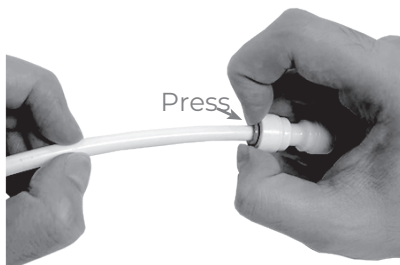


Figure 4

2.How to drill a hole into your sink or countertop (Optional)

NOTE: Please confirm if there is an existing hole available to install the RO faucet. If not, please drill a hole in accordance with the following steps. Remember to wear safety glasses to protect your eyes while drilling the faucet hole.

1. Choose a diamond core bit for granite, and a carbide drill bit for stainless steel. Do not use a hammer drill on natural stone, glass or ceramic;
2. Glue the sticker to your sink or countertop, and drill a hole referring to the size shown on the sticker (1" $\frac{3}{8}$);
3. Make an indent with a center punch on a stainless steel sink before drilling to help guide the bit;
4. Be careful when drilling on a porcelain sink, as it can be easily chipped. Apply downward pressure firmly to the bit until breaking through the surface;
5. Starting at the lowest speed, hold the drill straight with firm pressure to prevent the bit from walking on the counter;
6. Once breaking through the surface, swirl the drill a little to apply pressure in a circle evenly.

NOTE:

- The RO system must be connected to the COLD water supply ONLY.
- Do not install the system in exposure to direct sunlight or harmful chemicals, or any place where it may be damaged.
- Do not install the system near any heat source.
- Do not install the system outdoors.

3.Install the water inlet three-way valve (3/8")

NOTE: The input water tubing has been attached to the feed water adapter for easy installation.

1. Shut off the water supply. Turn on the kitchen faucet to release the water pressure;
NOTE: Make sure the water has stopped running before proceeding to the next step. Get a towel or bucket to catch water.
2. Disconnect the cold water pipe from the cold water supply valve;
3. Twist the feed water adapter onto the cold water supply valve (with its washer) and tighten it with an adjustable wrench (Figure 5);
4. Twist the cold water pipe (with its washer) onto the feed water adapter and tighten with an adjustable wrench.

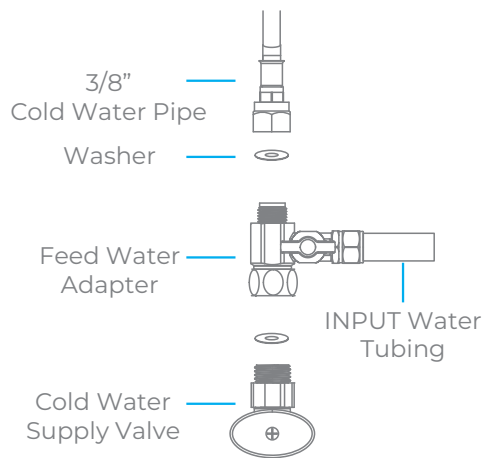
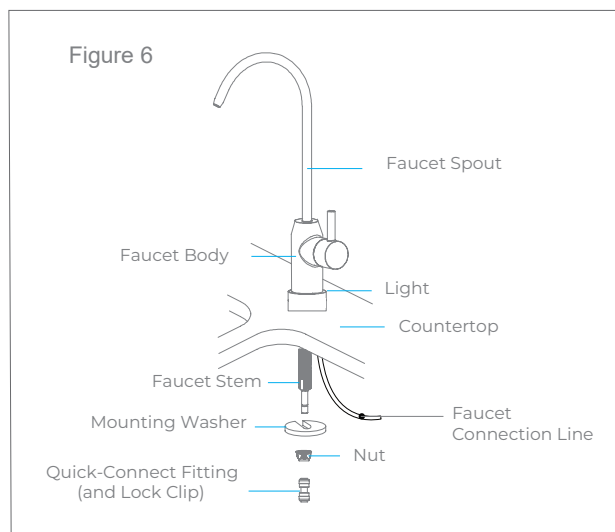


Figure 5

4. Install clean water faucet

NOTE: If your kitchen sink or countertop does not have an existing hole, you will have to drill one (1"). Refer to Page 7.

1. Insert the faucet rubber washer into faucet stem;
2. Insert the faucet stem into the hole on the countertop (Figure 6);
3. Under the sink, screw the faucet stem and slip on other parts according to the figure;
4. Insert the quick-connect fitting onto the faucet stem fully and firmly.



5. Install the drain saddle

1. Choose a spot on the drainpipe that is convenient for installing the drain saddle and drill a 1/4" hole. Be sure not to penetrate the opposite side of the pipe; NOTE: It's recommended to install the drain saddle on the vertical drainpipe.
 2. Slip the front plate to one end of the tubing (without mark), and insert the tubing into the drilled hole up to about 5/8" (Figure 8);
 3. Fix the drain saddle with screws and install the lock clip on the fitting to secure the connection (Figure 9);
- NOTE: In some areas, the waste water tubing needs to be connected to the drainpipe through the air gap. Consumers need to purchase additional air gap accessories.

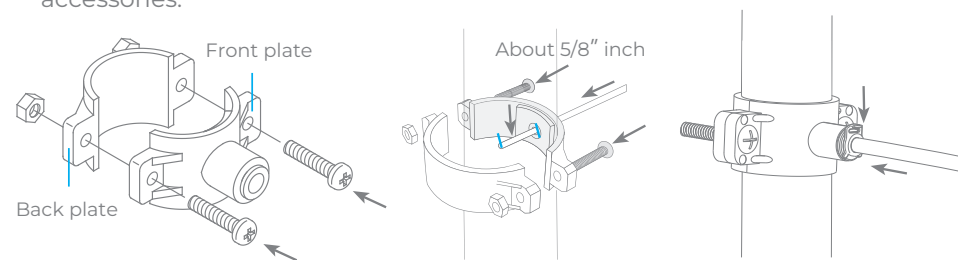


Figure 7

Figure 8

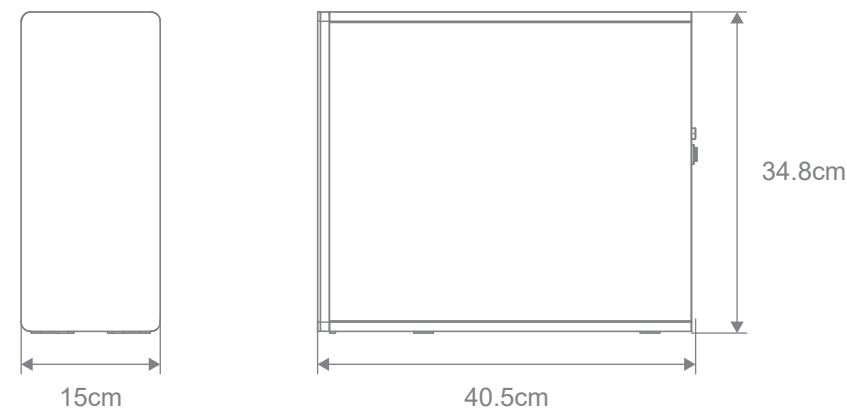
Figure 9

6. Place reverse osmosis water purifier

Check and ensure there is sufficient space under the countertop to install the system (Figure 10).

NOTE: Make sure that there is a power outlet in the kitchen cabinet or on the wall connected to the lower cabinet space before installation.

It is not recommended to place the housing against the cabinet, as there may be vibrations when the system works.



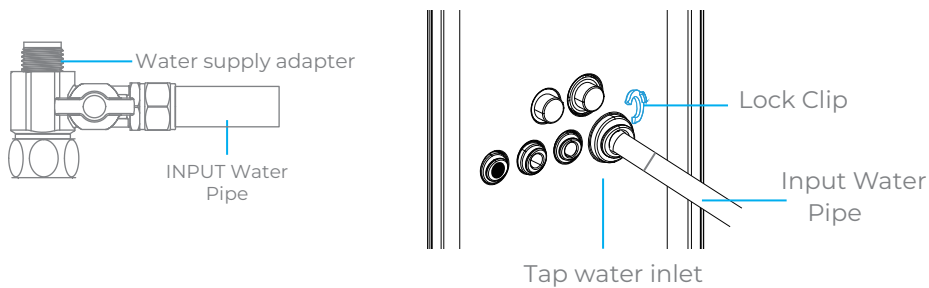
7. Connect the water pipes

NOTE: Confirm the tubing length you need and cut the tubing if it's too long, referring to "How to Use the Quick-Connect Fittings" on page 6.

Setp1: Install input water pipes

- Connect the input water pipe of the feed water adapter to the raw water outlet port;

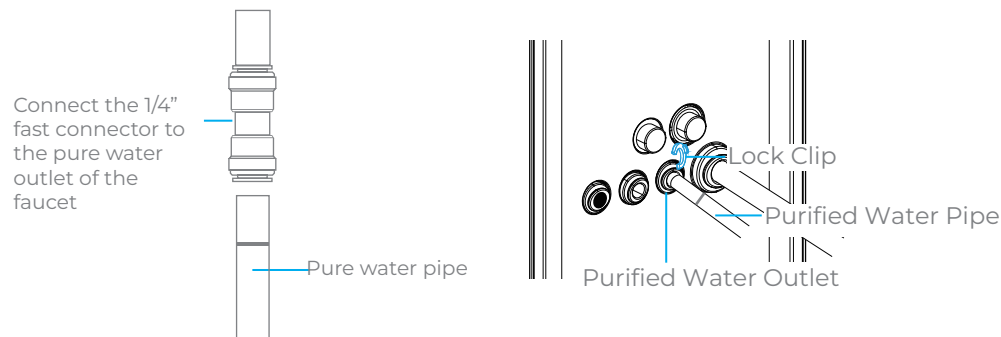
NOTE: Make sure it is fully inserted until you reach the mark on the tubing.



Setp2: Install pure water pipe

- Connect the pure water pipe of the faucet to the purified water outlet port;

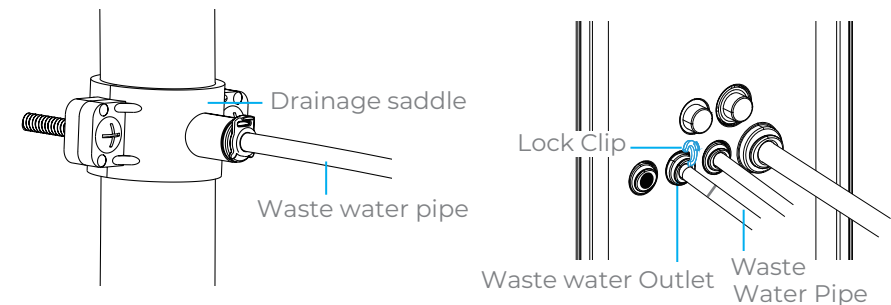
NOTE: Make sure it is fully inserted until you reach the mark on the tubing.



Setp3: Install wastewater pipe

- Connect the waste water pipe of the drainage seat to the waste water outlet port;

NOTE: Make sure it is fully inserted until you reach the mark on the tubing.



8. Connect the Faucet Connection Line

- Connect the faucet connection line to the machine and tightened with nuts.

NOTE: The tabs and slots need to be aligned .



9.Connect the power cord

Connect the power adapter: insert the DC head of the power adapter into the power port on the back of the housing;

- NOTE: Please do not connect power socket now.

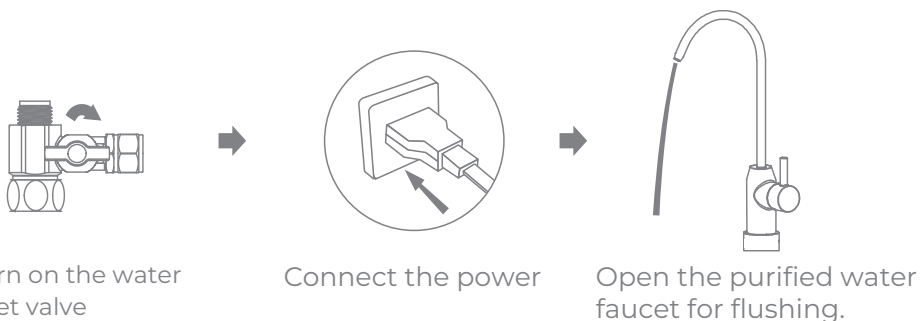
10.Start up the system

Use the product as shown in the diagram. Due to the characteristics of the reverse osmosis membrane, the membrane contains moisturizing ingredients (mainly food-grade glycerin).

After installing the H2O BlueSpring E-1000 under-sink Reverse Osmosis Drinking Water Filter System, please **run water for 10-15 minutes** during the **first operation** (the produced water is not recommended for drinking but can be used for kitchen cleaning, handwashing, or watering plants). To improve the taste of the water produced after the initial installation, **use the machine as much as possible on the first day**.

If you later feel the water quality is unsatisfactory at the first drinking, please repeat the above process once (run water for 10-15 minutes again) to achieve the best taste.

(NOTE: The product will automatically enter rinse mode every time it is powered on; during use, press the "Rinse" button briefly to enter manual rinse mode; during rinse mode, press the "Rinse" button briefly to stop rinsing and exit rinse mode). This product complies with the Lead-Free requirements of the National Construction Code, "Volume Three".



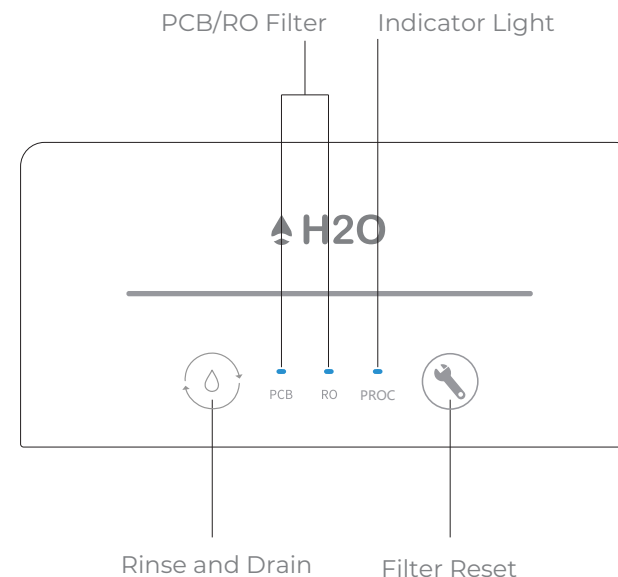
Turn on the water inlet valve

Connect the power

Open the purified water faucet for flushing.

Instructions for Use

Display panel introduction and operation instructions.



① Manual Rinse and Drain:

- Press the rinse and drain button to start or stop the process.
- Pressing the button switches from automatic to manual mode.

② Processing Water Indicator:

- Blinks when the system is processing water.

③ Rinse and Drain Indicator:

- Blinks during rinsing and draining.

④ Standby Indicator:

- Stays on when in standby mode.

⑤ Filter Indicator:

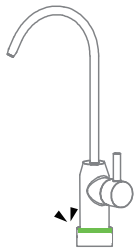
- Stays on when the filter is near expiration.
- Blinks when the filter has expired.

⑥ Filter Reset:

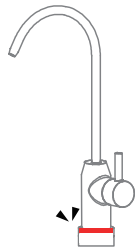
- Long press the reset button to enter reset mode. Short press to select the filter. Long press to reset the filter. The indicator will stop blinking and stay on. The system exits automatically after 10 seconds if no selection is made.

⑦ One-button filter reset:

- Long press the reset button to reset expired filters. Purified water faucet display introduction.



- Green light means the cartridge life has not expired.



- Red light means the cartridge life is expired.

Important Safety & Hygiene Instructions

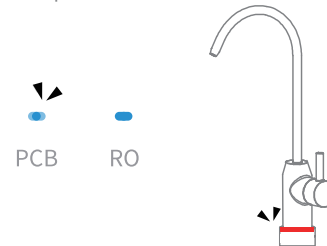
⚠ WARNING: FOR CORRECT OPERATION OF THIS APPLIANCE, IT IS ESSENTIAL TO OBSERVE THE MANUFACTURER'S INSTRUCTIONS.

⚠ CAUTION: DO NOT USE WITH WATER THAT IS MICROBIOLOGICALLY UNSAFE OR WITH WATER OF UNKNOWN QUALITY WITHOUT ADEQUATE DISINFECTION BEFORE OR AFTER THE SYSTEM. SYSTEMS CERTIFIED FOR CYST REDUCTION MAY BE USED ON DISINFECTED WATER THAT MAY CONTAIN FILTERABLE CYSTS.

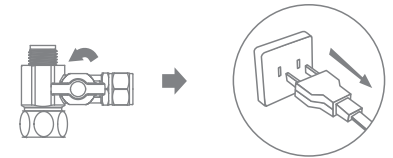
⚠ This system is not classified as a bacteriostatic or microbiological treatment device. Use of the system may increase the bacterial content of the water unless additional disinfection is provided.

Filter Replacement Steps

① When the purified water faucet filter life indicator light or the machine display panel PPC/RO light prompts, it means that the filter life has expired and needs to be replaced.

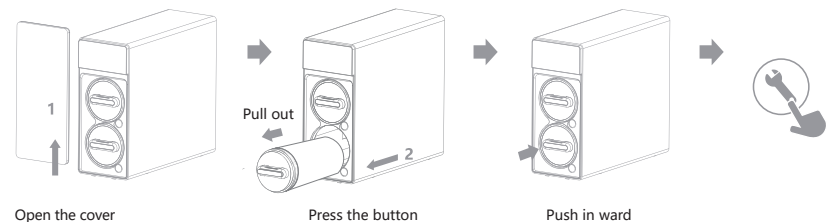


② Before replacing the filter, open the water outlet faucet, then sequentially close the water inlet three-way ball valve and the power supply before proceeding with the replacement.



③ As shown in the following figure:

1. Open the front cover of the machine.
2. Press the small button on the filter holder. After the filter pops out, pull the filter out horizontally.
3. Insert the new filter into the corresponding slot, ensuring it is fully inserted.
4. Long press the reset button to enter reset mode. Short press to select the filter. Long press to reset the filter.
5. After replacing the filter, follow the flushing instructions on page P14 to flush the system.



Troubleshooting and Solutions

Issue	Possible Cause	Solution
Leakage	PE pipe or connector not properly inserted	Insert the PE pipe or connector securely
	Aging or damaged piping	Replace piping
Low water flow or no water output	Inlet ball valve not open	Open the inlet ball valve
	No water supply	Wait for water supply to resume
	Blocked piping or filter	Straighten or replace piping, replace filter
	Faucet malfunction	Replace or repair the faucet
	Inlet water pressure lower than rated pressure	Install a pressure booster
	Inlet water temperature too low	System will automatically resume when the water temperature is normal
Unusual taste in water	Long period of inactivity	Flush the system as instructed in the manual; if the issue persists, Replace the filter
	Expired or ineffective filter	Replace the filter with a new one
Device not operating	Power supply issue	Check the power supply and power plug
	Power adapter failure	Replace the power adapter
	Water pump running continuously for more than 30 minutes	Turn off the power and restart the device
Continuous operation without stopping	Low water pressure	Check the water supply pressure
Filter indicator light turns red	Filter life has expired	Replace the filter and manually reset the filter life indicator

Maintenance

(1) The replacement cycle of all kinds of filter elements suggested by this machine is calculated according to the average index of tap water. If the water quality of the user and the frequency of the use of the machine are quite different from the average index, the actual use time of the filter element and the estimated cycle, such as premature blockage and premature failure of the filter element, etc. At this time, the actual use state should be used as the basis for the replacement of the filter element.

If the system performance is not otherwise monitored, filters should be replaced based on time (e.g. every 6–12 months) or total water volume, whichever comes first.

(2) The estimation of the service cycle of the machine filter element is based on the ordinary household water consumption, and it is only suitable for household use. Do not install the machine in public occasions with large water consumption.

(3) If the water purifier is not used for more than two days, please turn on the faucet and use the water purifier after 3 minutes.

(4) If you plan not to use the water purifier for more than a week, please turn off the water source and power supply, turn on the tap, remove the filter element and put it in the refrigerator for storage. When use again, use the water purifier after at least 10 minutes.

(5) After-sales email: