

HOMMIX WATER PURIFIER

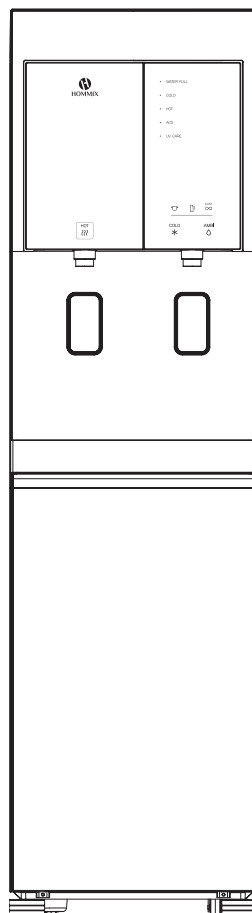
Hommix ecoRO

GWP-46S90520M

- Please read this manual thoroughly before using the product.
- The rated voltage of this unit is 220-240 V~/50 Hz only.
- The appearance and specifications of the product may change without prior notice in order to improve the performance of the product.
- The design may differ from the cover model.

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Precautions for safety

This is to prevent accidents or dangers in advance by using the product safely and correctly, so be sure to observe the precautions for safety. Precautions are divided into "Warning" and "Caution" depending on the degree of risk and damage expected when violates the indications.



Warning

Associated with the possibility for serious injury or death.



Caution

Associated with the possibility of injury, property damage and the reduced performance of the product.

Power / Warning



Warning

- **Use the specified power source.** (This product is for 220-240 V~/50 Hz only.) **Arrange the power cord well after installation to prevent stepping on or tripping over.**
If the voltage of the power supply does not match the rated voltage of the product failure, fire or electric shock.
- **Unplug the product when not in use or before cleaning the inside.**
This can help prevent safety accidents.
- **If the power cord is damaged, please request maintenance service.**
Do not use damaged or loose outlets. It may cause electric shock or fire.
- **Wipe off dust and water from the pins or contacts of the power plug with a dry cloth.**
Dust or water accumulation may cause electric shock or fire.
- **Do not use multiple electrical appliances at the same time in one power socket.**
Fire may occur from abnormal heating of the socket.
- **Fully insert the power plug into the power socket to prevent it from shaking.**
Incomplete connection may cause fire.
- **Do not touch the power plug with wet hands.**
There is a risk of electric shock.
- **Do not unplug or move the product while it is operating. Be sure to turn off the power before holding and pulling out the power plug.**
There is a risk of breakdown, electric shock and fire. Do not pull out the power cord.
- **Do not excessively bend the power cord or press it with a heavy object to prevent it from being damaged.**
There is a risk of electric shock or fire.

When use / Warning



Warning

- **Do not allow children to hang on or climb on the product.**
The product may fall over and cause injury.
- **Be careful not to let children play with the product.**
Parental supervision is required.
- **Be careful not to let persons (including children) who lack physical, sensory, or mental capabilities, or experience and knowledge use product without supervision or instruction.**
- **Do not place a bowl filled with water, medicine, or small metal objects on top of the product.**
If water or chemicals enter the product, there is a risk of electric shock or fire.

Precautions for safety

When use / Cautions



Caution

- If the product is damaged or malfunctions, do not arbitrarily disassemble, repair or modify it.
- If the product emits strange noises, smells or smoke during use, immediately unplug the power plug, close the adapter valve for raw water, drain the water completely, and contact our customer service center.
- Do not install the product in a humid place, near inflammable materials, or exposed to snow or rain.
- After transporting the product, apply the power after 30 minutes or more to stabilize the product.
- Do not put a cover on the back of the product.
If the vents are blocked, the internal temperature rises and causes malfunction or system shutdown.
- Do not operate the product when it is not leveled. It may cause malfunction or breakdown.
- When transporting, do not tilt the product more than 45°. Excessive tilting can cause performance degradation.
- Do not install the product in a sloped or unstable place. Failure to do so may result in reduced performance, injury from a fall, or failure.
- When discharging, secure the hose so that the removal water does not splash around.
- Since the hot water is very hot, be sure to use a cup-type container for taking water to avoid burns from the hot water.
- Use the product as described in the user manual.
If not used as intended by the manufacturer, it may cause electric shock or injury.
- While the product is running, do not touch the heat sink on the back of the product as it is very hot.
- If touching the touch button does not work, use your thumb to widen the contact area of the touch button.
- If you do not use the product for a long time (more than 4 days), close the water adapter valve and unplug the power plug. Do not touch the power plug with wet hands. When using the product again, completely drain the water inside the water purifier, discard the primary ambient water, and use the secondary ambient water.
- Make the ratio of ambient water and removal water about 1:2, and the removal water can be collected in a bathtub or a separate container and used for household cleaning, toilet cleaning, laundry, and other sundry uses to prevent water waste.
However, never use the water coming out of the drain hose for drinking or cooking food.
- Use a communication device such as a walkie-talkie that generates radio waves and electric fields of more than 1W at a distance more than 1m from the product.
The product may malfunction if a communication device is used at a close distance of less than 1 m.

※ The following phenomena are not malfunctions.

1. The whirr sound generated inside the product is the compressor driving sound that occurs when cold water is running, and the intermittent snap sound (ice breaking sound) is a normal noise that occurs when cold water is running, so it is not a malfunction.
2. When the product power is turned on or water purification is restarted, the filter washing water is drained through the removal water line. This is a normal operation of filter cleaning, not a malfunction.

Precautions for installation

1. Do not install the product in the following places.

- Near fire
- Near inflammable materials (candles, cigarettes)
- A place with a lot of moisture
- In front of the air conditioner
- A place where it can get snow or rain
- Outdoors or in direct sunlight
- Near chemicals (Volatile substances, organic solvents, etc.)
- A place close to toilets
- A place where the temperature may drop below 0 °C.

2. Use the product in the following water quality range.

- Water pressure: 1.7~7 kgf/cm² (167~686 kPa)
- Water temperature: 4-38 °C
- Hardness: less than 300 ppm
- pH: 5.8~8.5
- Water quality: Biologically safe water
- Turbidity: less than 0.5 NTU
- ※ Please consult with us when using water quality other than the above.
- ※ If you do not use the water quality within the above range without consulting with us, the free warranty period will be excluded.

3. When transporting, do not tilt the product more than 45 °.

- ※ Excessive tilting may cause performance degradation.

4. Do not operate the product when it is not leveled.

- ※ It may cause malfunction or failure.

5. Do not install the product on an inclined or unstable place.

- ※ It may cause product performance degradation, product overturning to cause injury or product failure.

6. For the safe operation of the product, be sure to keep the side and back of the product at least 20 cm distant from the wall for good ventilation.

7. Do not install the device that generates heat near the heat sink on the rear side of the product.

8. When connecting the tubing hose, make sure that the tubing hose is not bent or pressed by heavy objects.

- ※ If the tubing hose is clogged, water does not flow smoothly to cause a malfunction.

9. Secure the hose to prevent removal water from splashing.

- ※ Removal water can be used for other sundry uses such as toilet cleaning, house cleaning, laundry to prevent water waste. However, never use it for drinking water or cooking food.

10. Do not connect the removal water and drain hoses higher than the installation surface or more than 3m away from the water purifier. If it is unavoidable to connect the drain hose to the drain while touching the floor of the kitchen, etc., do not raise the end of the hose higher than 30 cm from the floor.

- ※ In unavoidable cases, install a separate drain pump by contacting our customer center.
- ※ Please check if the raw water and removal water are properly connected.

11. When installing more than one device (water purifier, dishwasher, etc.) and this product in one place, be sure to install raw water and removed water hoses independently for each product.

12. If gas (refrigerant) leaks, do not touch the power cord and open the window to ventilate completely.

The product uses high environmentally friendly refrigerant R-600a. However, since it is a flammable gas, if the gas leaks due to severe damage during transportation, installation, or use of the product, it may cause sparks, explosion, fire, or burns.



How to install

This product shall be installed by our technicians. Please check if it is installed correctly.

1. Install the product horizontally.

※ Adjust the verticality of the product so that it is vertical using a chock, etc., and check it using a level meter.

2. After closing the water supply valve (or intermediate valve) supplied to each household, connect the raw water adapter valve by loosening the connection at the supply location of the raw water to be connected.

※ If the sealing rubber (O-ring) of the connection part is missing or the screw thread is damaged, it may cause water leakage, so be careful.

3. Insert the tubing hose to the raw water adapter valve and the raw water connection on the back of the product.

4. Insert the tubing hose to the removal water connection on the back of the product, and connect the tubing hose to the drain of the sink, toilet, or utility room.

5. For stabilization of the cooling system and safe use of the product, insert the power plug into 220-240 V~/50 Hz power socket 30 minutes after installation of the product.

※ This product is for 220-240 V~/50 Hz only.

6. Open the water supply valve (or intermediate valve) to each home and place the raw water adapter valve at the open position to supply raw water to the product.

7. Ensure water is supplied to the product without leaks.

8. About 1 to 3 hours after starting the product, press the water dispensing button to see if water comes out.

9. When the full water lamp turns on, completely empty the water inside the product before use.

※ When installing, do not reuse the existing raw water supply valve and hose.

※ If you touch the water purification button 5 times consecutively within 10 minutes after initial installation, the water will be automatically drained after the water is full.

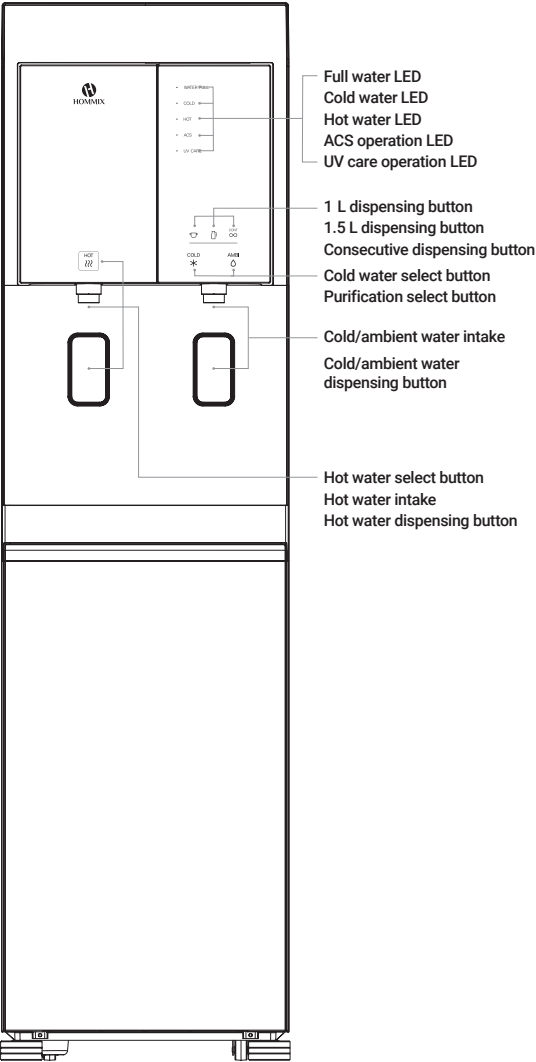
(Drainage: takes about 15 to 30 minutes, ACS LED flashes). You cannot use the product when the initial automatic drain function operates.

※ Precautions when relocating products

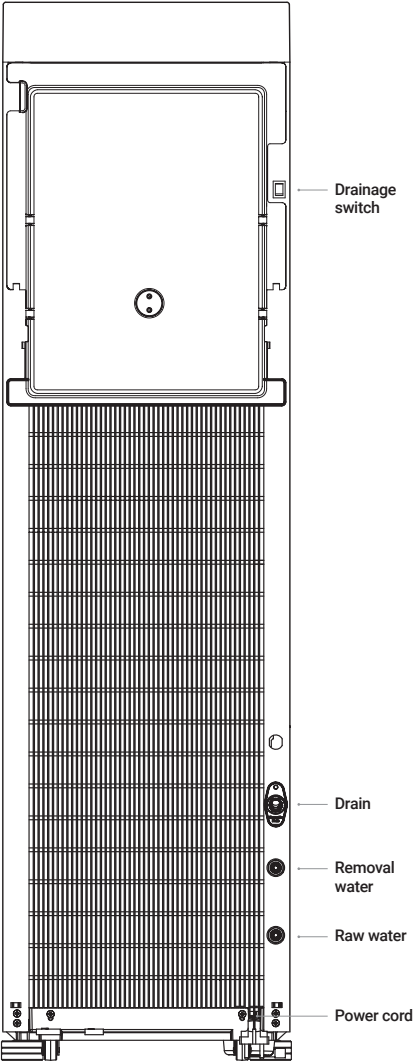
Turn on the drain switch on the back of the product and open the drain valves located on the left/right to completely drain the water inside the ambient water and hot water tanks. If it is unavoidable to transport the product lying down, be sure to place it on its back. (If the product is tilted and moved without being completely drained, water inside the tank may flow out to damage the product.)

Designation of each part

Front

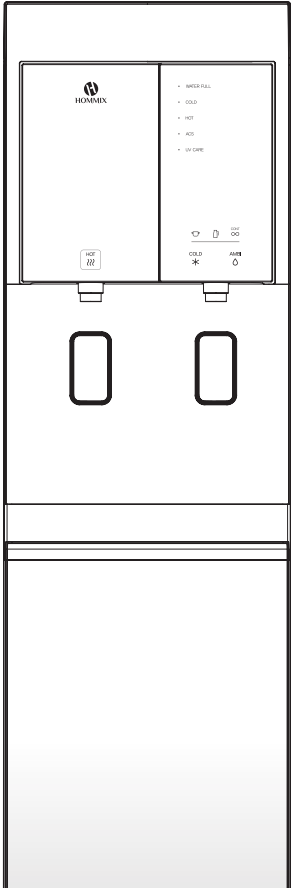


Back

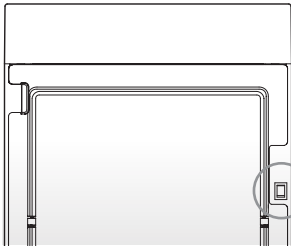


How to use

When use / Cautions



Front		
○ WATER FULL	Full water LED	Lights up when the storage tank is full of ambient water.
○ COLD	Cold water LED	Lights up when cold water operation is set.
○ HOT	Hot water LED	Lights up when hot water operation is set.
○ ACS	ACS LED	Lights up when the ACS function operates.
○ UV CARE	UV Care LED	Lights up when the UV care function operates.
	1L dispensing select button	Selects 1 L dispensing.
	1.5L dispensing select button	Selects 1.5 L dispensing.
CONT 	Consecutive dispensing select button	Selects consecutive dispensing.
	Hot water select button	Selects hot water.
	Hot water LED	Lights up when hot water is selected.
COLD 	Cold water select button	Selects cold water.
	Cold water LED	Lights up when cold water is selected.
AMBI 	Ambient water select button	Selects ambient water.
	Ambient water LED	Lights up when ambient water is selected.
	Dispensing button	Selects and intakes the desired water among hot/cold/ambient water.



Back		
	Drain ON/OFF switch	Turn the drain on and off by pushing the switch up or down.

How to use

How to set and release the functions

※ Insert the power plug into the outlet before operating the product.

Hot water function



5 secs

Setting

- ① Press the "hot water" selection button for more than 5 seconds
 - ② The hot water function will be set while the melody sounds. (Hot water LED turns on when set)
- ※ The hot water system operates automatically by the temperature detecting sensor which detects the temperature inside the hot water tank.

Release

- ① Press "Hot water" select button for more than 5 seconds.
- ② The hot water function will be released while the melody sounds. (When released, the hot water LED turns off)

Cold water function



5 secs

Setting

- ① Press "Cold water" select button for more than 5 seconds.
- ② The cold water function will be set while the melody sounds. (cold water LED turns on when set)

Release

- ① Press "Cold water" select button for more than 5 seconds.
- ② The cold water function will be released while the melody sounds. (Cold water LED turns off when released)

Quantitative / consecutive dispensing function

Setting

- ① Press the quantitative or consecutive dispensing buttons to select the desired water amount.
 - ② After selecting cold water/ambient water, press the dispensing button to dispense cold/ambient water as much as the selected water intake.
- ※ Due to the risk of burns, quantitative /consecutive intake of hot water is not available.
※ The above is the water intake based on the full water



Step			
Water intake	About 1 liter	About 1.5 liter	Consecutive (3 minutes)

Release

Touch the quantitative / consecutive dispensing select buttons or press the dispensing button to release the quantitative / consecutive dispensing function.

How to use

How to set and release the functions

⚠ Insert the power plug into the outlet before operating the product.

ACS Smart cleaning function

This is a smart anti-contamination feature that automatically cleans the inside of the cold water tank during off-peak hours each day.

The cleaning function operates at the same time every day by setting the standard for 60 hours after applying the power. To change the cleaning time, unplug and apply the power aga 12 hours after the desired time.

Ex) Desired time: 3 AM ➤ After 12 hours: 3 PM

- ACS

- ① When the ACS smart cleaning function operates, the ACS LED blinks, and the cold water tank is automatically cleaned.
- ② You can intake the water while the ACS smart cleaning function operates.
- ③ If there is external input during the ACS smart cleaning operation, it will operate again after 14 hours.
- ④ It takes about 10 minutes to operate the ACS smart cleaning function.
 - ※ The required time may vary depending on the condition of the water level of the water tank.

Melody function



Setting

- ① Press the "Ambient water" select button for more than 10 seconds.
- ② When setting, a melody sounds and the front LED flickers.

Release (Mute mode)

- ① Press the "Ambient water" select button for more than 10 seconds.
- ② When released, a melody sounds and the front LED flickers.

How to use

How to intake

Hot water intake



When taking hot water, be careful not to get burned by the hot water and be sure to use cup-type containers.

- If you touch the hot water select button and press the water dispensing button, hot water comes out.
- ※ If the hot water operation LED is off, hot water does not come out because the heater does not operate.
 - ※ If there is no operation for 5 seconds after selecting hot water, it automatically switches to cold water select (Default function)

Cold water intake



If you touch the cold water select button and press the water dispensing button, cold water comes out.

Ambient water intake



- If you touch the ambient water select button and press the water dispensing button, ambient water comes out.
- ※ If there is no operation for 10 seconds after selecting ambient water, it automatically switches to cold water select (Default function).

Consecutive intake



Setting

- ① This function is used for consecutive dispensing of purified/cold water. Touch the consecutive select button.
 - ② Touch the "Ambient water" or "Cold Water" select button.
- ※ Hot water intake is not available due to the risk of burns.
 - ※ Even after consecutive water intake is selected but water is not taken, the selection will be automatically released after 10 seconds.

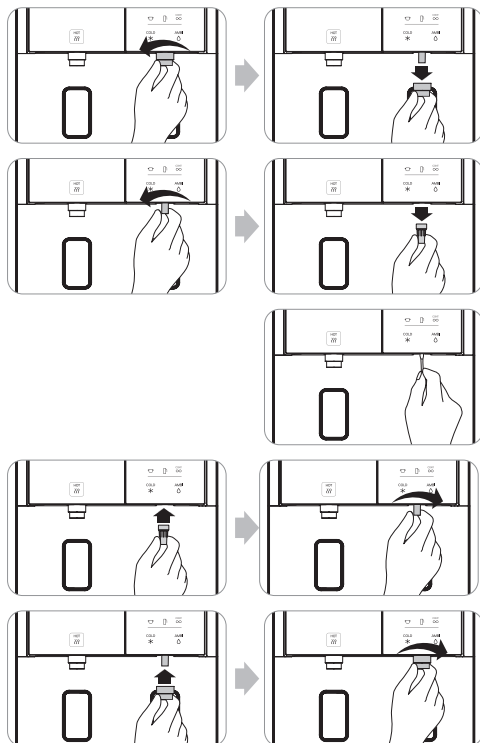
Release

During consecutive dispensing of purified/cold water, touch or press "Consecutive dispensing select button" or "Dispensing button".

How to clean

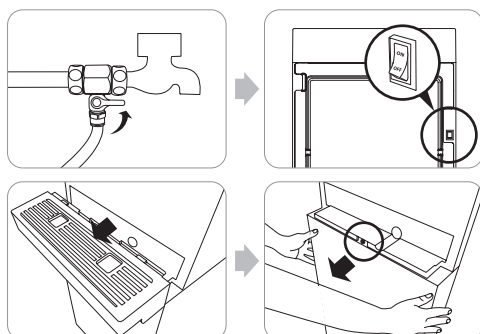
How to clean the intake port

- ① Turn the intake port to the left to take it out.
- ② Turn the detachable intake port in the intake to the left to take it out.
- ③ Wipe the inside of the intake port with a cotton swab.
※ When cleaning, never use detergent, thinner, benzene, or wax. It may cause product damage such as discoloration or peeling of the product, and may cause health problems.
- ④ After washing both the intake port and the detachable intake port, turn the detachable intake port to the right to insert it.
- ⑤ Turn the intake port to the right to insert it.



How to clean the storage tank

- ① Close the raw water supply valve and turn the drain switch on the back of the product to the ON position.
※ Turning the drainage switch to the ON position turns off the UV LED.
- ② After removing the drip tray, loosen one screw on the inside using a screwdriver. Lower the bottom cover down and pull it forward to remove it.



How to clean

③ After removing the bottom cover, open the drain valves located on the left (cold water) and right (hot water/ambient water) sides to completely drain the water in the tank.

④ Be sure to pull out the power plug.

※ If the UV LED inside the tank is turned on, do not look directly at the UV LED and be careful not to expose your skin to UV LED. Exposure to UV LED light can be harmful to the human body.

⑤ Remove the top cover by loosening the two fixing screws on the back of the product using a screwdriver.

⑥ After removing the tank cover, wipe the ambient water tank and cover with a soft cloth or dry cleaner.

⑦ Unscrew the 4 fixing nuts of the cold water removal plate and wipe the cold water tank and cover with a soft cloth or dry cleaner.

⑧ After inserting the cover into the groove, assemble the cover in the reverse order of removal.

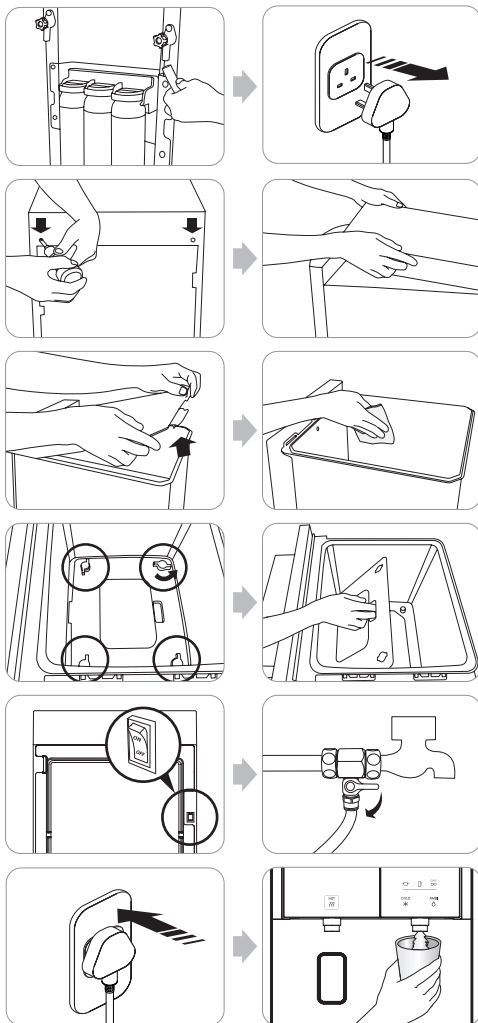
⑨ Turn the drain switch on the back of the product to the OFF position.

⑩ Open the raw water supply valve.

⑪ Connect the power plug.

⑫ After about 1 to 3 hours, check that cold water/ambient water comes out from the intake port.

⑬ Use the ambient water after completely draining the same about once.

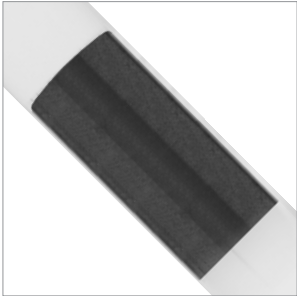


Precautions when cleaning

- ※ When clean the storage tank, wash your hands, wear sanitary gloves and wipe the tank with a soft cloth or dry cleaner.
- ※ When clean the storage tank, never use chemicals or detergents.
- ※ After checking the storage tank, collect and dispose of the used service kit (dry cleaner, cotton swab, sanitary gloves).
- ※ After cleaning, be sure to secure the storage tank cover and air filter to prevent foreign substances and insects from entering.
- ※ Please clean the storage tank at least once a month.

Filter Functions and Replacement Cycle

Filter Function



STAGE 1/2

Pre PP + Carbon Filter

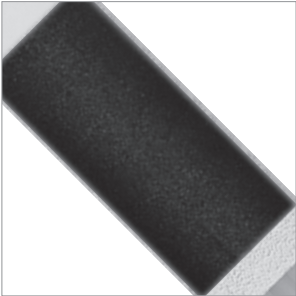
It is a carbon block filter molded through high temperature compression that removes suspended solids, rust, and particulate contaminants, etc. in raw water, as well as absorbing and removing chlorine, trihalomethane (THMs), and organic chemicals dissolved in raw water. It protects the membrane and allows it to function normally. The first stage of the pre-filter consists of 'PP + Carbon,' where the PP filter removes sediment such as dust, sand, and rust from the water.



STAGE 3

RO Membrane Filter

Soluble foreign substances, such as heavy metals and organic chemicals, having molecular weights of 200 or more are treated by separation through ultra-precision semi-permeable membranes to achieve water purification effects. The filtered contaminants are discharged through a separate drain pipe.



STAGE 4

Post-carbon Filter

The high-temperature extruded carbon blocks remove gas and odor components dissolved in ambient water to deliver a fresh water taste.

Filter Replacement Cycle

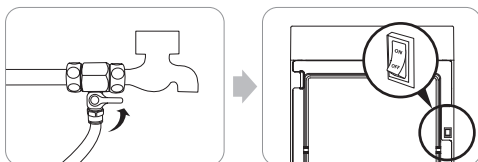
Type of Filter	Pre PP + Carbon Filter	RO Membrane Filter	Post-carbon Filter
Replacement Cycle	12 months	24 months	12 months

- ※ The replacement cycle of the specified consumable filter is an estimated time, and the expected replacement cycle may vary depending on the place of use, water quality, raw water temperature, usage, and season (summer and winter).
- ※ Filters should be changed at the right time to get clean water.

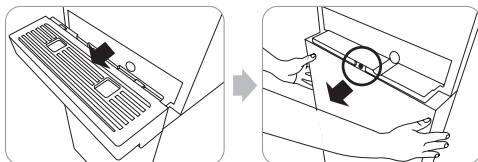
How to replace filter

- ① Close the raw water supply valve and turn the drain switch on the back of the product to the ON position.

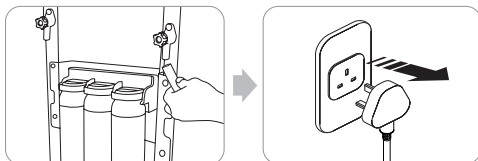
※ Turning the drain switch to the ON position turns off the UV LED.



- ② After removing the drip tray, loosen one screw on the inside using a screwdriver.



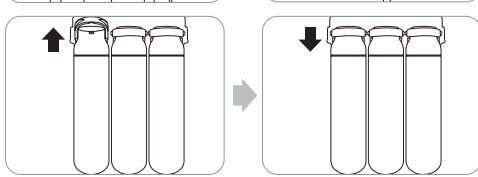
- ③ Lower the bottom cover and pull it forward to remove it.



- ④ After removing the bottom cover, open the drain valves located on the left (cold water) and right (hot water/ambient water) to completely drain the water inside the tank.

- ⑤ Unplug the power plug.

※ If the UV LED inside the tank is turned on, do not look directly at the UV LED and be careful not to expose your skin to UV LED. Exposure to UV LED light can be harmful to the human body.

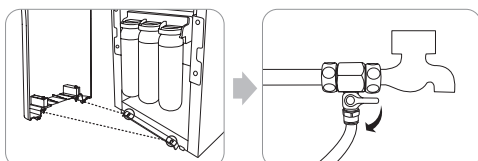


- ⑥ Lift the existing filter lever and remove the filter.

- ⑦ After inserting the flushed new filter, pull down the filter lever to tighten it.

- ⑧ After inserting the front cover into the groove, assemble the cover in the reverse order of removal.

- ⑨ Open the raw water supply valve.



- ⑩ Turn the drain switch on the back of the product to the OFF position.

- ⑪ Connect the power plug.

- ⑫ After about 1 to 3 hours, check that cold water/ambient water comes out from the water intake port.



※ Check if water leaks after supplying raw water. If a leak occurs, immediately unplug the power cord, close the raw water supply adapter valve, and request for maintenance service.

※ Make sure to flush for 1 minute 30 seconds before replacing the new filter.

Specifications

Product Name		Hommix ecoRO
Model Name		GWP-46S90520M
Power Consumption	Maximum	650 W
	Hot Water	500-590 W
	Cold Water	0.5 A (91 W)
Storage Tank	Ambient Water	13.0 ℓ
	Hot Water	3.8 ℓ
	Cold Water	5.7 ℓ
Refrigerant/Refrigerant weight		R-600a (18 g ± 1 g)
Rated Voltage		220-240 V~/50 Hz
Dimensions		360 W x 462 D x 1328 H (mm)
Product Weight		30.9 kg
Climate Rating		N Rating (32 °C ± 1 °C)
Safety Feature		Overheat prevention device, water level detector, leakage stop valve, fuse
IP Rating		IPX1

※ The "N Rating" in the climate rating column refers to "Temperate Climate".

※ The IP Rating is the waterproof rating of the product.

※ The storage tank capacity is based on the storage tank size, so it may be different from the indicated dispensing capacity.

※ Power consumption may vary depending on the using environment.

※ The booster pump is removed for this specification. If the raw water pressure is 1.7 kgf/cm² or less, an external pump installation is required. (Sold separately)

Just a moment! Please check the following before requesting A/S.

- ※ It takes about 1~3 hours for each storage tank to be full of water.
(It may take more time to fill the water depending on the installation environment conditions.)
- ※ It takes about 60 minutes to make ambient water into cold water.

Symptom	Check point	No	Yes
The front display does not turn on and the product does not operate.	Is the product's power plug is properly inserted?	Insert the power plug into an 220-240 V~/50 Hz outlet.	If there is a problem even though power is supplied to the power outlet, request for A/S.
Ambient water does not come out.	Does the tap water come out from the faucet?	Wait until the water cut-off is released.	If ambient water does not come out for about 1~3 hours, request for A/S.
Cold water does not come out or only lukewarm water comes out.	Does the ambient water come out?	If the cold water does not come out for 60 minutes, request for A/S.	Cold water is under production (it takes up to 60 minutes).
	Did you use lots of cold water?		
Hot water does not come out or only lukewarm water comes out.	Is the hot water LED turned on?	Press the hot water select button to set the hot water.	Wait until the temperature of the hot water tank rises.
	Did you intake the hot water 2 liters or more?	Please wait, it takes 40 minutes for producing hot water.	If the hot water does not come out for about 40 minutes, request for A/S.
How to manage the silicone tube of the water purifier?	Please request A/S for the silicon tube contaminated due to use for long time.		

- ※ The product to which UV care is applied.
- ※ Since UV LED automatically cares the hygiene of the water tank, water stains can be prevented.

