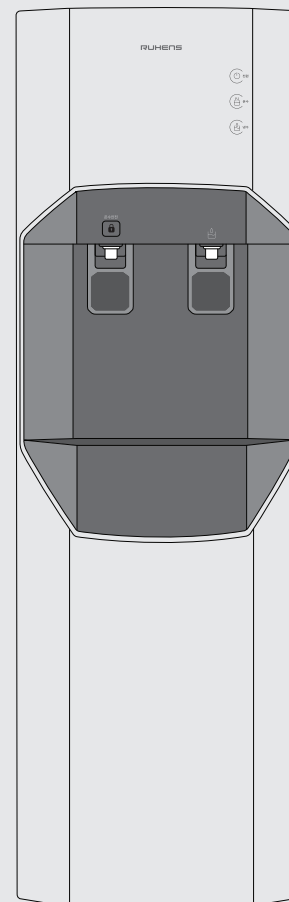


HOT&COLD WATER PURIFIER

OPERATIONAL MANUAL

WHP-2200



◆ Product Safety

- Precautions 2~6

◆ General Product Information

- Features 7
- Part name 8
- Water filtration process 9
- Features 10
- How to use Hot & Cold Water Purifier ... 11
- Filter Replacement Cycle & Method ... 12~13
- Troubleshooting Common Problems ... 14~15
- Clean Cycle & Method 16
- Product Specification 17
- Warranty 18

Please read this manual for proper and safety.
Safe-keep this manual as it contains the product warranty.

Important Notice
WATER FILTRATION SYSTEM NOT INCLUDED
The water filtration system is not included with this dispenser. Users can choose a filtration system according to their specific water quality requirements or connect the dispenser to an existing filtration system.



PRECAUTIONS

Please read all precautions carefully to prevent any potential dangers and/or damages.

Precautions are divided into three types depending on the degree of potential danger/damage.

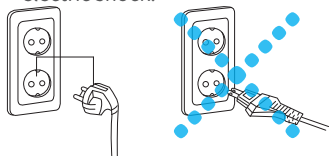
- ! Danger:** If not observed, serious injury, bodily harm and/or even death may occur.
- ! Warning:** If not observed, serious injury, bodily harm and/or property damage may occur.
- ! Caution:** If not observed, slight injury, minor bodily harm and/or property damage may occur.

! This symbol is used to notify the dangers caused by improper use. Water purifier should be maintained periodically. Manufacturer/distributor is not responsible for any damages caused by improper maintenance by any individuals and/or third parties.

Precautions for power supply

! Danger Plug power cord into 120V outlet only.

※ Failure to do so can cause fire and/or electric shock.



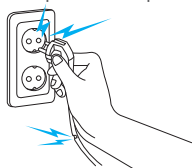
! Danger Clean plug before use, by wiping off any dust and/or foreign particles.

※ Failure to do so can cause fire and/or electric shock.



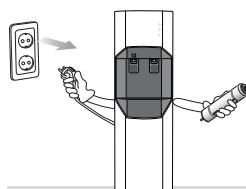
! Danger DO NOT use plug if it is damaged and/or if the wires are exposed from the cord.

※ Failure to do so can cause fire and/or electric shock and may also result in water leakage.
 ※ Please contact your local customer service for repair and replacement.



! Danger Unplug power cord before replacing filters.

※ Failure to do so can cause fire and/or electric shock.

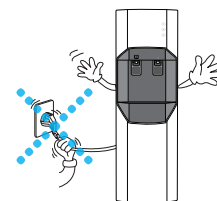


PRECAUTIONS

Precautions for power supply

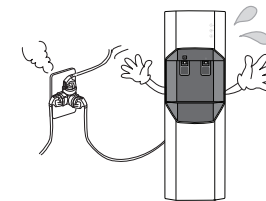
! Danger DO NOT bend, tie or pull power plug by its cord.

※ Failure to do so can cause fire and/or electric shock.



! Danger The outlet should be rated greater than 10A. Use separate outlet for this product.

※ Overloading outlet with too many plugs may cause fire and/or electric shock.



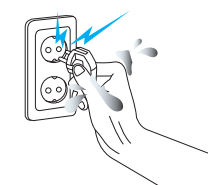
! Danger DO NOT modify or disassemble plug.

※ Failure to do so can cause fire and/or shock.



! Danger DO NOT plug and unplug the power cord with wet hands.

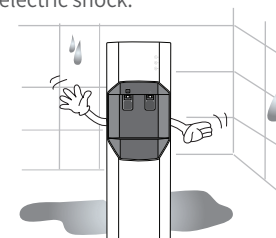
※ Failure to do so can cause fire and/or electric shock.



Precautions for installation

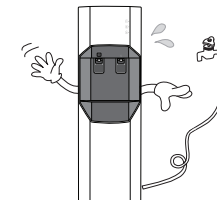
! Danger DO NOT install this product in moist or wet environment, such as bathrooms, shower rooms and/or outdoors.

※ Failure to do so can cause fire and/or electric shock.



! Danger DO NOT bend or twist the inlet hose.

※ Failure to do so can cause electric shock from water leakage.

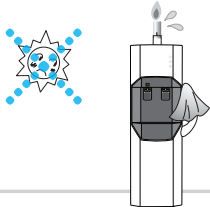


PRECAUTIONS for installation

Precautions for installation

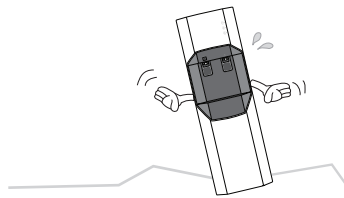
Caution DO NOT install this product under direct sunlight and avoid high heat areas.

※ Failure to do so can cause deformation of the product exterior.



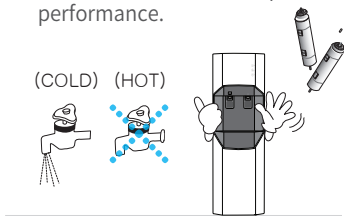
Caution Place the product on a level and hard surface floor.

※ Failure to do so can cause malfunction.



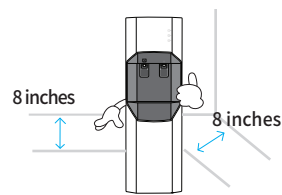
Caution Connect the product to cold water sunlight and avoid high heat areas.

※ Failure to do so can cause damage to filters and/or result in poor performance.



Caution Product must be at least 8 inches away from the wall to allow for proper ventilation.

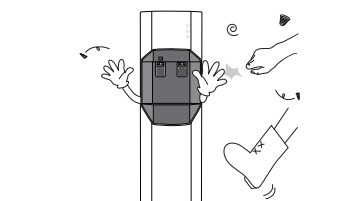
※ Failure to do so can cause overheating and malfunction.



Precautions for use

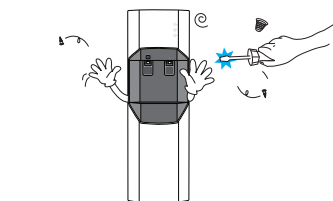
Danger DO NOT apply unnecessary force when using the product.

※ Failure to do so can cause malfunction, damage and/or electric shock.



Caution DO NOT attempt to repair, disassemble or modify product.

※ Failure to do so can cause fire and/or electric shock.

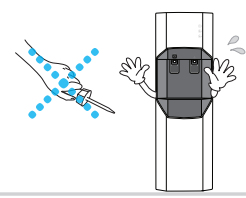


PRECAUTIONS for use

Precautions for use

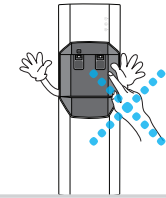
Danger DO NOT insert sharp wires and/or screwdrivers into the product.

※ Failure to do so can cause malfunction and/or electric shock.



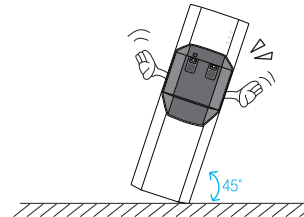
Caution DO NOT touch hot water and be careful when handling hot water

※ Failure to do so can cause severe burns and body harm.



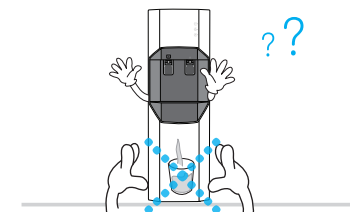
Caution DO NOT tilt the product more than 45 degrees while transporting product.

※ Failure to do so can cause malfunction.



Caution DO NOT move the product while it is in operation connected to water and power supply.

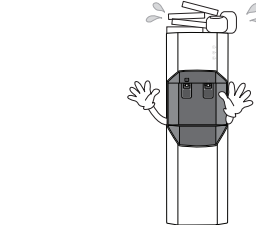
※ Failure to do so can cause malfunction.



Precautions for installation

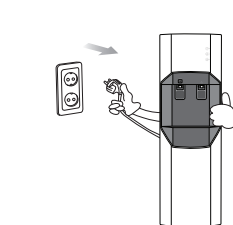
Caution DO NOT place heavy objects on top of the product.

※ Failure to do so can cause damage to the product.



Caution DO NOT turn power on when water supply is cut off.

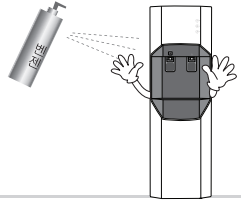
※ Failure to do so can cause damage to the product.



PRECAUTIONS for use

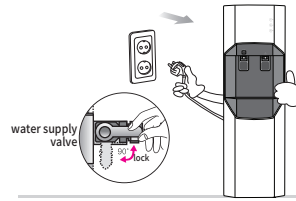
Caution ! DO NOT use Benzene or gasoline when cleaning the product.

※ Failure to do so can cause discoloring, peeling and/or damage to the exterior of the product.



Danger ! UNPLUG power and SHUT OFF water supply to the product when not in use over an extended period of time.

※ Failure to do so can cause fire and/or water leakage.



※ This appliance is not intended for use by person(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.

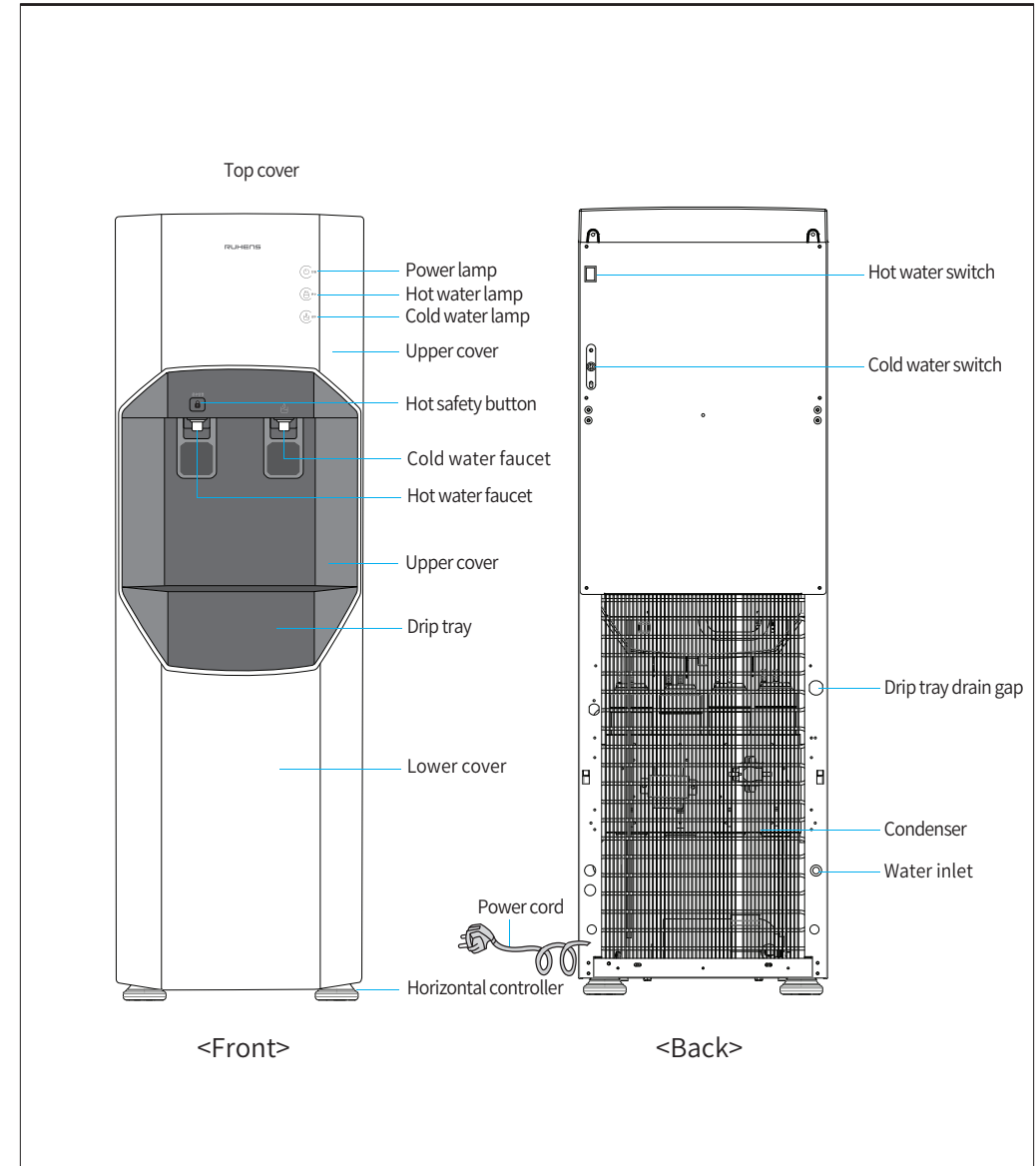
Caution ! When discarding parts/filters and/or disposing the product entirely, please adhere to local guidelines.
※ Failure to do so can cause environmental pollution.

Caution ! When installing the product, always use genuine parts.
※ Failure to do so can cause water leakage and product damage.

Caution ! DO NOT install the product in severe and extreme temperatures.
※ Failure to do so can cause overheating or freezing.

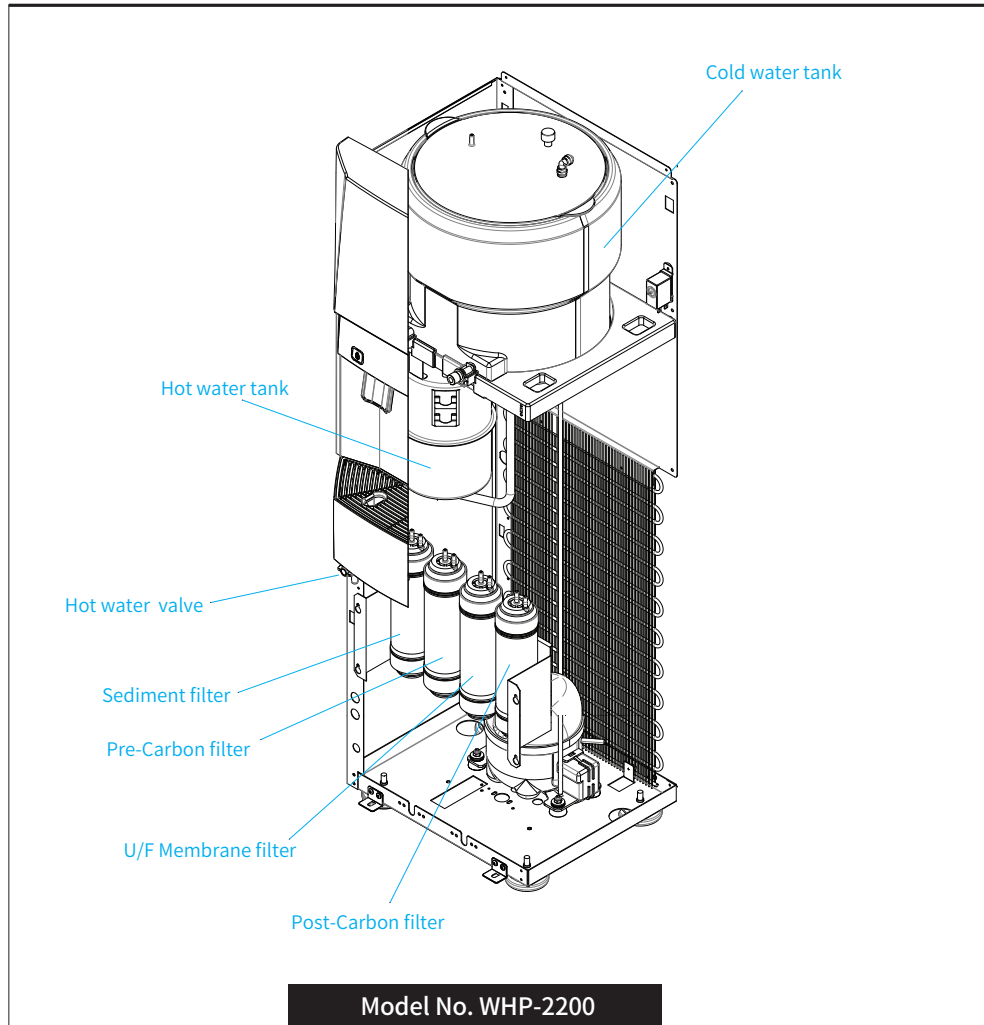
PART NAME

Model No. WHP-2200



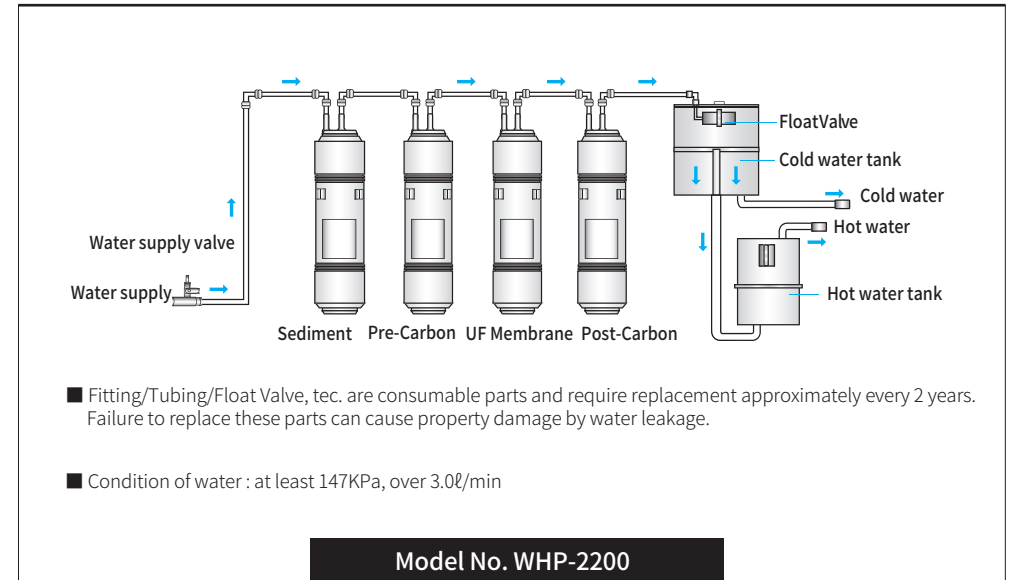
WATERPURIFIER STRUCTURE

Interior diagram



FILTRATION SYSTEM

Filtration system



Filter replacement cycle

	1st stage	2nd stage	3rd stage	4th stage
Filter	SEDIMENT Filter	PRE-CARBON Filter	U/F MEMBRANE Filter	POST-CARBON Filter
Replacement Cycle	About 4 months	About 8 months	About 20 months	About 12 months
Filter component	Felt P.P	Activated Carbon	Polysulfone	Activated Carbon
Function	Removal of 5μm of contaminants	Removal of residual chlorine	Removal of general bacteria, impurities and remaining mineral water	removal of residual toxic gas composition and odor

FEATURES

◆ UF membrane filtration system

4 stages filtration system with UR membrane filter provides fresh and clean water.

◆ Convenient home water purifier

Perfect for home water purifier with about 5.3 gallon of capacity everyday for 4 people family.

◆ Direct water supply from the water supply facilities.

Easily get purified water with low price.

◆ High performance purification system.

Sediment filter(removal of contaminants) ▶ Pre-carbon filter(removal of residual chlorine)
▶ UF membrane filter(removal of general bacteria, impurities and remaining mineral water) ▶
Post-carbon filter(removal of residual toxic gas composition and odor)

◆ Safety of hot water tank

Anti-overheating function(manual bi-metal reset) & automatic temperature control function (automatic bi-metal reset) provides safety from hot water overheating.

◆ Water level control

Automatic water level control function protects filter life and product operation long term.

◆ Fresh water

Enjoy 39~53.6°C of cold water and 70~90°C of hot water any time you want.
The best fresh water as it blocks dust and bacterial contamination.

◆ Classy design

Modern, classy and elegant design fits everywhere and stands out.

◆ Power-saving features

If you use only cold water, please turn off the hot water switch.
It reduce the electric cost of household.

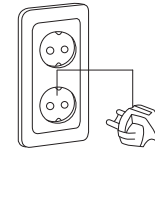
◆ Economic / practical advantages

Easy to install and use.

HOW TO USE HOT&COLD WATER PURIFIER

1. Plug the power cord to outlet.

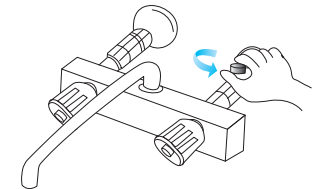
※ Please verify voltage compatibility before plugging in.



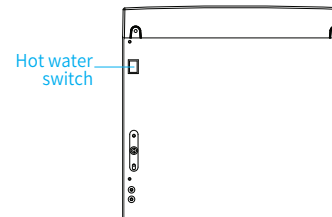
2. Open the water supply valve

※ Product will not purify water, if the water supply valve is closed.

(Please Note: The water supply valve should only be closed if the product is not going to be used for an extended period of time. Otherwise, it would remain open at all times.)



3. How to save the hot water

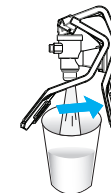


Please turn on the hot water switch

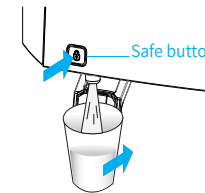


Please turn off the hot water switch when not using the hot water.

4. How to drink the purified water



Cold water faucet



Hot water faucet



Caution

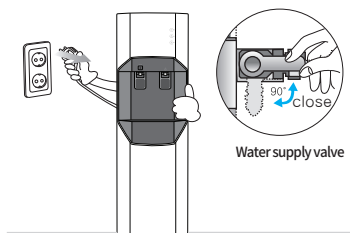
After confirming the water in the hot water tank, please turn on the hot water switch. (Failure to do so can cause product damage.)

※ After installation, dump the purified water over 20ℓ and then take the clean water.

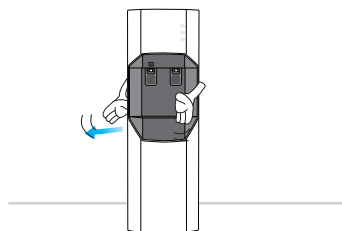
※ If you do not use the water purifier for a long time, dump about 1~2ℓ of the purified water and then take the clean water.

FILTER EXCHANGING METHOD

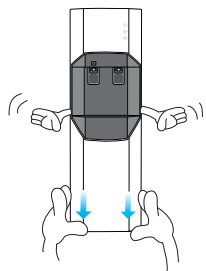
1. Please shut off Water Supply and unplug the power cord, prior to replacing new filters.



2. Remove the drip tray.

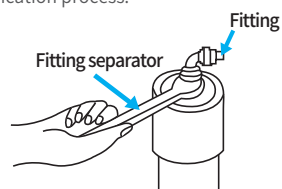


3. Push down on the lower panel and pull forward to remove it.



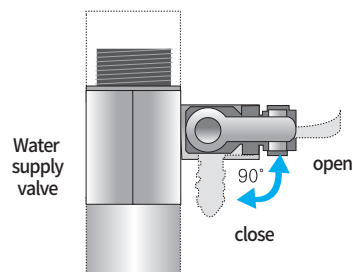
4. Please remove the old filters with a Fitting separator and insert the new filters in reverse order.

- Always check for water leakage after replacing filters.
- Make sure that each filter is in the proper order of purification process.



5. Once all the filters have been replaced securely, please make sure to open the Water Supply Valve and plug the power cord back into the outlet.

(Please clean the filters at least one time before using.)



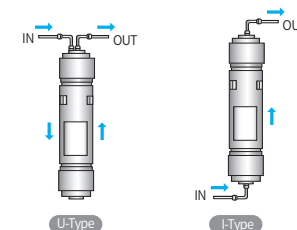
FILTER EXCHANGING METHOD

- Before replacing any filters, always pull the power cord out and close the Water Supply Valve.

- When using the product for the very first time or after replacing the filters, please make sure that filters have been properly flushed for approximately 10 minutes.

- Please make sure that the filters are flushed properly until all carbon dust is no longer visible.

(Carbon dust is for the favor of drinking water, not harmful for your health.)



- Please make sure to change filters periodically based on the recommended exchange schedule.
- Untimely filter changes that exceed the recommended exchange schedule will significantly reduce filter performance and degrade the quality of water.
- Please note that the filter exchange schedule may vary depending on quality of the tap water supply.
- Always use genuine filters for filter replacement.

(Water quality and performance may be affected negatively when using non-genuine filters.)

※ It is strongly recommended that an authorized technician performs all filter exchange service.

Manufacturer/Distributor is not responsible for any service provided by an unauthorized third-party technician.

- The filter exchange schedule is recommended regardless of the water volume used.
- the recommended replacement cycle is not the warranty period of filter but the expected life time based on 2500ℓ of water use under normal conditions.
- The period is based on 20ℓ use in a day for house use.(4 people based)

TROUBLESHOOTING COMMON PROBLEMS

※ Please refer to the common troubleshooting solutions before contacting customer service center.

Problem	Cause	Solution
Insufficiently heated water	Low power supply	check voltage rate.
	Hot water switch off	Check to make sure that the hot water switch is turned on.
Insufficiently chilled water	Low power supply	Check voltage rate.
	Cold water switch off	Check to make sure that the cold water switch is turned on.
No water comes out	Filter Change Needed	Check filter exchange schedule and contact local customer service center.
	Water Supply Shut Off	Unplug the power cord and pluck back in to restart the system.
	Tubing Blockage	Check the tubing to make sure that it is not bent or kinked to prevent water flow.
No heating	Temperature Controller Shut Down/Heater Malfunction	Turn off the hot water switch and contact local customer. (Temp.Controller automatically shuts of power supply to hot water tank to prevent overheating.
Abnormal Hot & Cold Water Temperatures	Heavy Water Consumption	High volume of water consumption will cause the water temperatures to fluctuate. Please allow 5-10 minutes for the temperatures to recover.
Noisy Sound	Compressor Operating Sound	When the compressor is activated, it is normal to hear sounds of the refrigerant flowing through the system.

TROUBLESHOOTING COMMON PROBLEMS

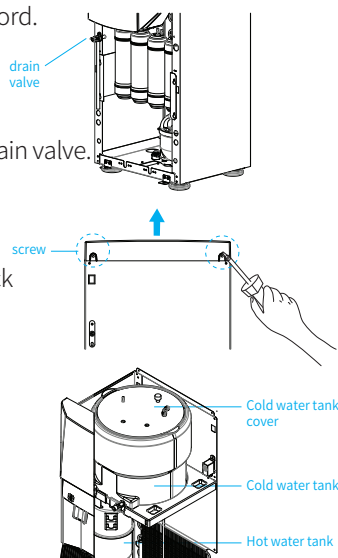
※ Please refer to the common troubleshooting solutions before contacting customer service center.

Problem	Cause	Solution
Low Water Production	Filter Change Needed	Replace filters.
	Low Water Pressure	Depending on the water pressure of the environment, water production will vary.
Water Leakage	Poor Connection to Water Supply	Shut off Water Supply Valve and contact local customer service center immediately.
Unpleasant Water Taste/Odor	Life of post-carbon filter expired	Carbon particles could come out resulting from the damage of the felt in post-carbon filter. Replace the filter and drain some water. Use the purifier after drain about 20ℓ of the purified water.
	No use over 3 days	Clean the cold water tank.
	Poor Environment Conditions	Clean the hose of cold water and cold water tank.
Particle in the purified water	Bubbles when the water supply	If the bubbles from water is not settled down after 15 minutes, please contact the local customer center.

CLEANING CYCLE & METHOD

Hot Tank and Cold Tank Cleaning

1. Shut off the water supply valve and unplug the power cord.
2. Drain all water in the cold tank by dispensing it from the cold water nozzle.
3. Remove the lower panel and unscrew the hot water drain valve.
Drain the remaining water completely.
(Please be careful when draining out the hot water as it may cause severe burns.)
4. Unscrew the two screws on the left and right at the back of the product and remove the top cover.
Then remove the cold tank cover.
(Please be careful not to damage the rubber packing when removing the cold tank cover. Please use caution to prevent injury. The cold tank is made out of stainless steel.)
5. Clean the cold tank by flushing it out with water.
After washing with water, make sure to close the drain valve and then put the lid on the water tank.
6. Open water supply valve and check for any water leakage until the cold tank is completely full. Then, put the cold tank cover back on top of the tank.
7. Please monitor the product for a day for any leakage.
If there is any water leakage, please contact the local customer service center immediately.



Cleaning Cycle

Cleaning	Cycle	method
Exterior	Once a week	Clean exterior with a non-abrasive soft cloth. (Never use Benzene, gasoline or thinner to clean the product.)
Drip Tray	Frequently	Clean the drip tray with a neutral detergent frequently.
Fitting Tubing	more than every 2 years	Check all fittings and tubings when change the filters. Replace fittings and tubings, if necessary.
Water intake Nozzle	Once a day	Unscrew the nozzle in a counterclockwise direction to separate it. Then thoroughly clean the nozzle openings with a sterilized swab. After cleaning, please screw the nozzle back on tightly.

PRODUCT SPECIFICATION & FILTRATION SYSTEM

Product Name	RUHENS HOT&COLD WATER PURIFIER
Model No.	WHP-2200
Power Supply	AC 220V/60Hz
External Dimensions	380(W)*430(D)*1205(H)mm
Weight	About 30.0kg
Capacity	5.3 gallon/day
Cold Water Capacity	About 10.9ℓ (purified water 6.6ℓ / cold water 4.3ℓ)
Cold Water Temperature	About 39°F~ 54°F
Motor Power Consumption	120W (1.5A)
Heater Power Capacity	600W
Hot Water Capacity	About 0.8 gallon
Hot Water Temperature	70°C~90°C
Service Condition	Permitted Water Pressure 147~294kPa
	Permitted Water Temperature 41°F~ 95°F
	Indoor (House/office)

■ Filtration System (Filter Component)

	Model No.	WHP-2200
Filtration System (Filter Component)	SEDIMENT FILTER (Felt P.P)	○
	PRE-CARBON FILTER (Activated carbon)	○
	U/F MEMBRANE FILTER (Polysulfone)	○
	POST-CARBON FILTER (Activated carbon)	○

- ※ Exterior and specification of the product can be changed for performance enhancements.
- ※ Filter Exchange Periods may vary depending not the environment and tap water quality.
- ※ Manufactured in Korea, Distributed by Advance Indonesia.

Product Warranty

Product	RUHENS HOT&COLD WATER PURIFIER		Warranty Period
Model	WHP-2200		1 year from the purchase date
SER. NO.			
Purchase Date			
Purchase Place			
Customer Name	Tel.	Mobile.	
Customer Address			

This product has passed the strict quality control and inspection of the Korea technicians, passed the inspection by the Korean Machinery Research Institute and been granted type approval.

If the product is found to be defective, or goes out of order during normal usage within the warranty period, it will be repaired, and/or defective parts replaced, free of charge.

Warranty Guide

1. The warranty period is 12 months from the date of purchase.
2. In the following cases, the product will be repaired at cost.
 - a) After expiry of free warranty period.
 - b) Malfunction caused by careless or abnormal use.
 - c) Malfunction caused by natural disaster.
 - d) Warranty card has been lost.

Art of water
물을 예술로 끌어올린 기술
RUHENS