

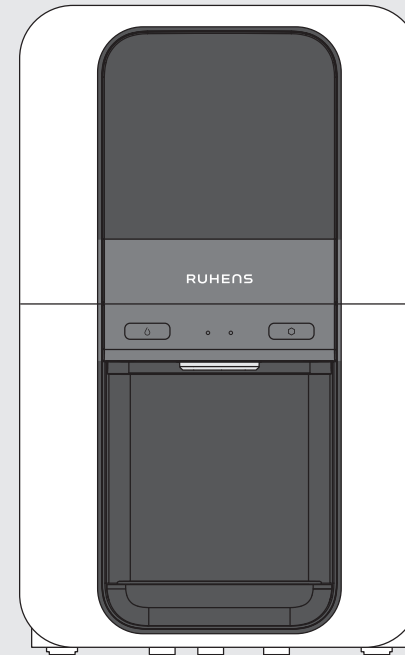
RUHENS

Manufactured-Produced by Wonbong Co., Ltd

RUHENS

# RUHENS ICE MAKING PURIFIER USER GUIDE

WHC-1000/1010



## ◆ Read carefully before use

- Cautions for the safety ..... 2~5

## ◆ To Know

- Features ..... 6
- Name of Parts ..... 7
- Purification System ..... 8
- How to Control ..... 9~11
- How to Install ..... 12
- How to Use ..... 13~15
- Filter Replacing ..... 16
- Check List before contact to service center .. 17~18
- How to Clean ..... 19~20
- Specification ..... 21
- Warranty ..... 22


※ Read it carefully for your safety and to use the product properly.  
※ User guide includes the warranty page of this product.  
※ The user is responsible for any damage caused by use of uncertified filter.




WONBONG CO., LTD


## CAUTIONS FOR SAFETY

- Following directions are for the safety use to avoid any danger or damage on the product.
- Following marks are distinguished by the amount of damage and danger occurred.


 **Danger** One's death or significant damage might occur if it's followed


 **Warning** One's death or significant damage might occur if it's followed.


 **Caution** One's death or significant damage might occur if it's followed


 This mark tells that the users need to be careful when using the product and read all the instructions carefully.


### Cautions for Power


 **Danger** For the power supply, 220V needs to be used only.  
▶ It may cause electric shock or fire.


 **Danger** Clean the power plug before use.  
▶ It may cause electric shock or fire.


 **Danger** Do not bend, tie or pull the power plug.  
▶ It may cause electric shock or fire.

 **Danger** Disconnect the power cord when replacing the filter.  
▶ It may cause electric shock.

 **Danger** Do not reform the power cord before connecting it.  
▶ It may cause electric shock or fire.


 **Danger** When using a multi-tap, use a single powered one with rating of 16A or more.  
▶ It may cause fire.


 **Danger** Do not use the power plug with a defect  
▶ It may cause electric shock or fire.  
▶ Contact the service center for the replacement of power plug.


 **Danger** Dry your hand before connect or disconnect the power plug.  
▶ It may cause electric shock.


## CAUTIONS FOR SAFETY


### Cautions when install


 **Danger** Do not install at a place where it's humid or with water.  
▶ It may cause electric shock, fire and damage on the unit.


 **Danger** Do not leave the water hose bent or twisted.  
▶ It may cause water and electric leakage.


 **Caution** Do not install at place where it sees the sunlight directly.  
▶ It may cause transformation of the unit.


 **Caution** Install the unit on a hard and flat floor.  
▶ If not, it may cause damage to the unit.


 **Caution** Connect the unit to the cold water pipe  
▶ If not, it may cause damage to the filter.

 **Caution** Put the unit at least 15cm far from a wall.  
▶ If not, it may cause damage to the unit.


 **Danger** Fix the drainage tube tight so it doesn't shake.  
▶ If not, drained water may fall all over the place.


 **Caution** Do not leave the drainage tube higher than the unit or longer than 10 m.  
▶ It may cause malfunction.

 **Caution** Put a drainage basket at where there is no drainage tube.

 **Caution** Do not put any heavy stuff on top of the unit.  
▶ It may cause malfunction.

### Cautions when use

 **Danger** Do not put any sharp steel wire or screwdriver in the unit.  
▶ It may cause electric shock and damage to the unit.

 **Caution** Change the mode depending on the purpose of use.  
▶ Use the button on the side to change the mode.  
▶ Refer to pg.15 for any further information

## CAUTIONS FOR SAFETY

### Cautions in use



Caution

Do not tilt the unit more than 45 degrees when moving it.

► It may cause malfunction.



Danger

Do not make too much impact on the unit.

► It may cause malfunction.



Danger

Open the window to refresh without touching the power cord when gas is leaking.



Caution

Do not separate the ice storage and spare water bottle when ice is being made.

► Water from water bottle may be spilled



Danger

Do not use or kepp the product near fire.

► It may cause malfunction.



Caution

Do not move the product when it is on.

► It may cause malfunction.



Caution

Pull off the power plug when tap water is not supplied.

► It may cause malfunction.



Danger

Do not disassemble or repair the product by yourself.

► It may cause electric shock or fire.



Caution

When the ice cubes are extracting, put your cup or tray near the ice out let, so the ice cubes don't pop out.

► Stuff inside the cup or tray may pop out because of the ice cubes dropped.



Danger

Close the input water valve and disconnect the power cord when you are leaving home for more than 2 days

► It may cause water leakage or fire.

## CAUTIONS FOR SAFETY



- For customers who purchased the product with a lump sum payment or whose ownership has been transferred to the customer after the expiration of the rental service has expired, we recommend that you use our replacement service center for filter replacing and A/S. [We are not responsible for any defect or accident occurred after the management or replacement by individual or a third party.](#)
- The number of possible uses of this imce-making water purifier safely is not intended to be used by people (including children) who do not have an existing device or people with lack of physical, sensory and mental ability.
- This ice making water purifier is designed to be used for residential uses.
- [Please do not let childeren play with the product.](#)



Caution

- Dispose the waste purifiers or filters correctly under the certain rule.
  - ※ [It may cause environmental pollution.](#)
- Please use the original spare parts of our company when installing the product. (supply hose, input water valve, water filter, etc.)
  - ※ [It may cause water leakage or any damage on the product.](#)
- Please use the original filter from our company when replacing the filter.
  - ※ [It may negatively influence the quality or taste of water.](#)
- Do not install the product at a place where there is a risk of freezing.
- Check if there is any water leaking after filter replacement.
  - ※ [There might be water leakage if the filter is not completely combined.](#)

## FEATURES

### ◆ Optimized nugget ice cubes for drinks

With the compressed, nugget-type ice, you can quickly enjoy the coolness of drinks and coffee. Soft and dense, nugget-type ice allows you to enjoy the refreshing taste of ice.

### ◆ Ice maker and Water purifier ; combined in one

Manage your ice maker and water purifier in the same area.

### ◆ Up to 20 kg of ice cubes per day

Possible to create up to 20 kgs of ice cubes every day.

### ◆ Keeping it clean not allowing any hand touch, Ice Dispenser

Ice extraction is available just through clicking the button, and there is no need of a scoop or any tools to get the ice.

### ◆ UV LED sterilization

Cleans AUGER module, which creates ice cubes, through the UV LED sterilization system.

### ◆ Purification System

**MICRO CARBON FILTER** : removes 5 $\mu$ m or more of pollutants and remaining chlorine.

**NANOFACT PLUS FILTER** : removes coli, bacteria and norovirus.

### ◆ Tube Cleaning

Cleans the tubes with water. Removes all the water remaining in the tube to keep it clean.

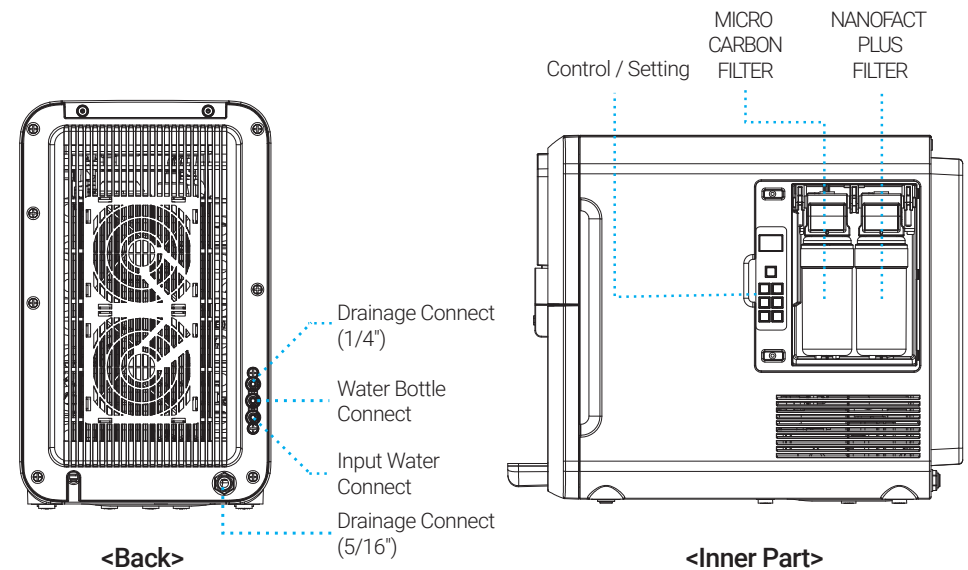
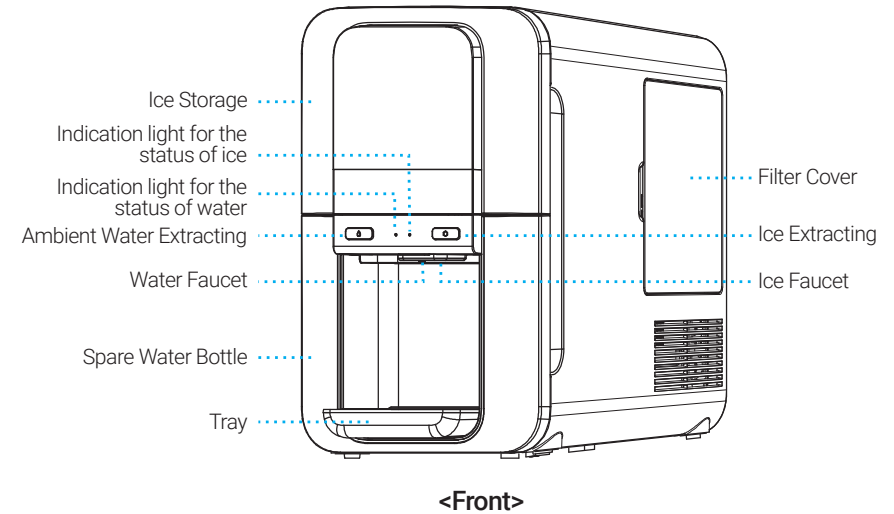
### ◆ Perfect structure for cleaning

Ice storage and spare water bottle are available to be separated to clean them more conveniently.

### ◆ Clean Once More! Tritan material applied

Tritan which is used as a material for baby bottles, is light, durable and BPA free material. Tritan material is applied for the ice storage and we keep it clean once more.

## PARTS



※ Water Bottle is connected to the product when input water is supplied.

※ Keep it blocked if any spare water bottle is not used.

# PURIFICATION SYSTEM

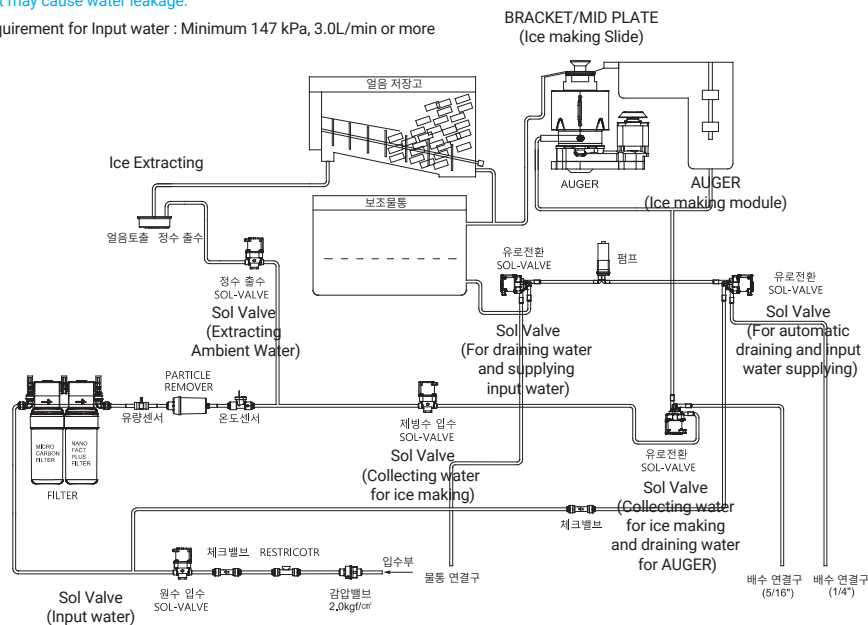
## Specifiaction for the filters

	STEP 1	STEP 2
Filter	MICRO CARBON FILTER	NANOFACT PLUS FILTER
Replacement Cycle	Abt. 4 months	Abt. 12 months
Material	Compressed activated carbon	Cellulose + Compressed activated carbon
Features	removes 5µm or more of pollutants and remaining chlorine	removes coli, bacteria and norovirus to increase the quality of water taste

## Diagram for Purification

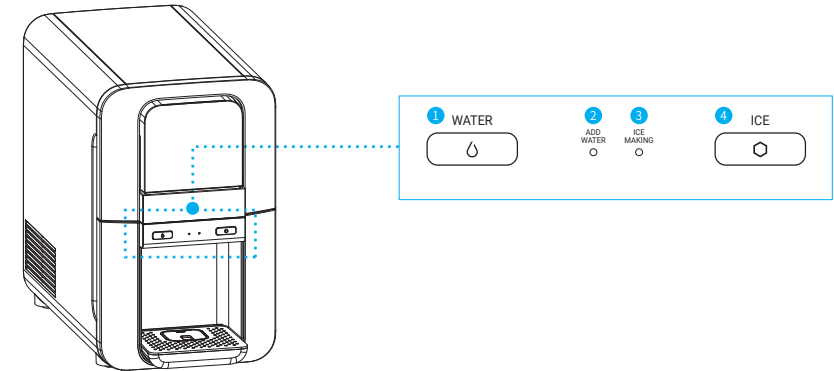
- Fitting/Tubing needs to be replaced as well as when the filter is replaced.  
※ It may cause water leakage.

- Requirement for Input water : Minimum 147 kPa, 3.0L/min or more



# CONTROL PANEL / INDICATION

## Front Part Control Panel/Indication



### 1. Water extracting button

- ① Automatic Extraction

Press the button to extract purified water and press again to stop the extraction.

- ② Manual Extraction

Press the button for more than 3 seconds, then the water extracts while the button is being touched.

### 2. Indicator for water shortage

- ① It lights on when it detects outage.

- ② It lights on when there is no enough water in the spare water bottle.

### 3. Indicator for ice making

- ① It lights on while the ice is made.

- ② It lights off once the storage is fully filled with ice cubes.

### 4. Ice extracting button

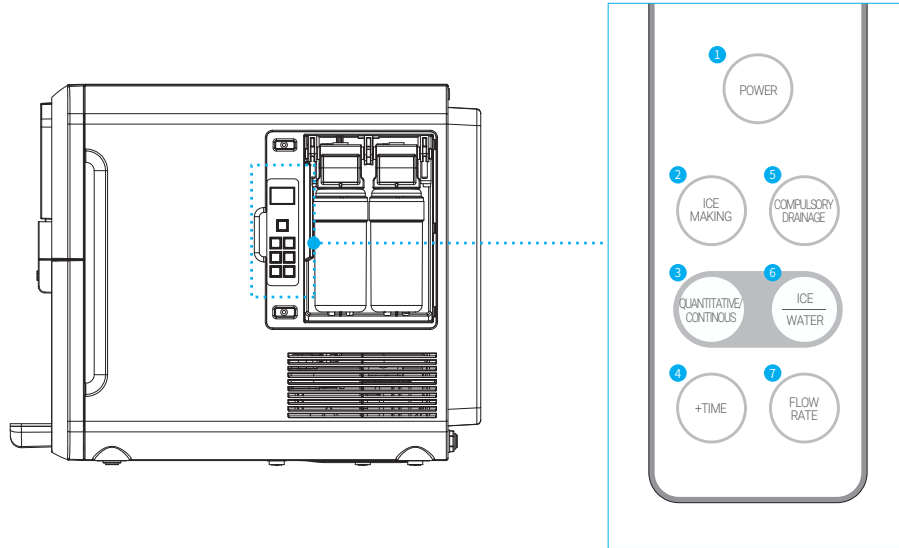
- ① Automatic Extraction

Press the button to extract ice cubes and press again to stop the extraction.

- ② Manual Extraction

Press the button for more than 3 seconds, then the ice cube extracts while the button is being touched.

## Control Panel / Indication



### 1. Power

- ① It turns off once the power button is touched (marked Pon)
- ② If the power button is pressed when the power is on, the power gets turned off and switched to standby. (PoF indicator lights out after approximation)

### 2. Ice Making

- ① Press the button to activate ice making
- ② If the button is pressed when ice is in production, ice making turns deactivated.

### 3. Quantitative/Continuous

- ① Set the extraction mode to either standard(A00) or continuous(A01) by pressing the button
- ② When 3 seconds or more pass after the mode setting, the indicator light blinks twice and the mode setting is finished.

### 4.+Time

- ① Press the button to set the amount of time and amount of water extracting.
- ② Press Quantitative/Continuous button to set quantitative(A00), Ice/Water button to choose what to extract, and +Time button to set the time for extraction.
- ③ Every time the +Time button is touched, one second increases (possibly up to 20 seconds).

### 5. Compulsory Drainage

- ① Compulsory drainage function is for when the product has not been operated for long time or for draining all the water inside after re-installation.
- ② Press the Compulsory Drainage button to drain all the water inside and it automatically stops after.
- ③ The draining function stops once the button is re-touched when it's being activated.

### 6. Ice / Water

- ① Under the quantitative mode, it's possible to set the amount and the mode of extraction of ice and water.
- ② The status of current mode is indicated when the Ice/Water button is touched.
- ③ Under the quantitative mode, press the Ice/Water button to choose the amount of water extracting.
  - Ice (CO3) : When the extraction button is pressed, ice extracts for 3 seconds. If the button is pressed once more during the extraction, it stops extracting immediately.
  - Water (PO3) : When the extraction button is pressed, water extracts for 3 seconds. If the button is pressed once more during the extraction, it stops extracting immediately.
  - Ice+Water(CPo) : When the extraction button is pressed, ice or water extracts for the time it has been set. If the button is pressed once more during the extraction, it stops extracting immediately.
- ④ After the mode setting is on, if +Time button is pressed no later than 3 seconds, the extracting time gets longer.
- ⑤ After 3 seconds from the time setting, the indicating light blinks twice and the setting is done.
- ⑥ During the selection of Ice+Water(CPo), time setting does not activate and the each time for ice and water needs to be set up individually.

### 7. Flow Rate

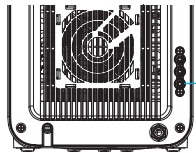
- ① Press the button to check the current flow rate being set.
- ② Every time the button is touched, the mode of flow rate is changed. (Connected to tap water : F00, External Water Tank: F01, Spare Water Tank : F02)
- ③ After 3 seconds from the flow rate setting, the indicating light blinks twice and the setting is done.

# HOW TO INSTALL

※ Please follow the instructions below before use.

## 1. Get the input water supplied.

※ Connect it through the 1/4 tube.

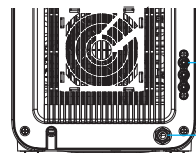


Input Water Hole(1/4")

## 2. Make the drainage route.

※ Connect through 1/4 tubing and 5/16 tubing.

※ Put a drainage tank if it's tough to install the draining route.



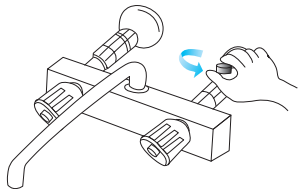
Drainage Hole (1/4")

Drainage Hole (5/16")

## 3. Turn the input water valve opened.

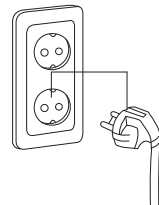
※ The product does not work if the valve is close.

(Leave it open unless the product is not going to be used for long time)



## 4. Connect the power cord to the concentric plug.

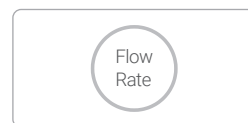
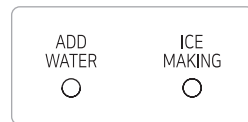
※ Check if the voltage is 220V.



## 5. Clean the filter before use.

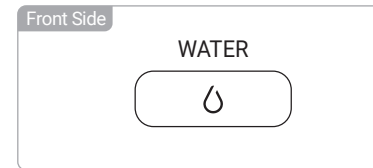
※ Choose either way to clean the filter  
 ※ During filter cleaning, indicator lights of ADD WATER and ICE MAKING alternatively blink.

- ① Press the "Flow Rate" button for 2 seconds
- ② Press the ambient water extraction button and drain 1L of water or more to clean.



# HOW TO USE

## 1. How to use ambient water



### Method 1

- ① Press the button to have purified water.
  - ② Extraction stops when the button is pressed again.
- ※ Up to 3minutes of extraction is available.

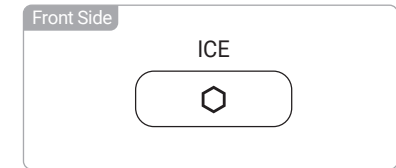
### Method 2

- ① Press the button for more than 3 seconds to extract purified water only for those 3 seconds.
- ② It stops extracting once you stop pressing.

### Method 3

- ① Press the extraction button to take water in quantitative mode and it automatically stops.
- ※ Refer to pg.14 for any details.

## 2. How to use ice



### Method 1

- ① Press the button to have purified ice cube.
  - ② Extraction stops when the button is pressed again.
- ※ Up to 3minutes of extraction is available.

### Method 2

- ① Press the button for more than 3 seconds to extract r only for those 3 seconds. ice cute.
- ② It stops extracting once you stop pressing.

### Method 3

- ① Press the extraction button to take ice in quantitative mode and it automatically stops.
- ※ Refer to pg.14 for any details.

## 3-1. How to extract water in quantitative mode

- ① Press the Quantitative/Continuous button to select quantitative mode.
- ② After 3 seconds from setting quantitative mode, mode selection is completed.
- ③ Press Ice/Water button to select water.
- ④ After 3 seconds from pressing the button, the water selection is completed.
- ⑤ Initially 3 seconds of extraction is set, but time can be changed by pressing the +Time button. (available up to 20 seconds)



## 3-2. How to extract ice in quantitative mode

- ① Press the Quantitative/Continuous button to select quantitative mode
- ② After 3 seconds from setting quantitative mode, mode selection is completed.
- ③ Press Ice/Water button to select ice.
- ④ After 3 seconds from pressing the button, the ice selection is completed.
- ⑤ Initially 3 seconds of extraction is set, but time can be changed by pressing the +Time button. (available up to 20 seconds)

## 3-3. How to extract water/ice in quantitative mode

- ① Press the Quantitative/Continuous button to select quantitative mode
- ② After 3 seconds from setting quantitative mode, mode selection is completed.
- ③ Press Ice/Water button to select water+ice(CPo).
- ④ After 3 seconds from pressing the button, the water/ice(CPo) selection is completed.
- ⑤ Initially 3 seconds of extraction for water and 5 seconds of for ice are set, but time can be changed by pressing the +Time button. (available up to 20 seconds)

※ +Time button does not work under Ice/Water (CPo) mode.  
Time setting needs to be done separately for water and ice.

## 4. Ice Making



- ① Press the Ice Making button to activate icing
- ② "Con" is indicated when it's activated and "CoF" is displayed when it's deactivated.

※ Initially the indicating light for "ADD WATER" and "ICE MAKING" alternatively blink. At that moment, press the Flow Rate button for 2 seconds or press the extrating button to extract 1L of water to clean the tube. Then press the Ice Makin button to activate the function.

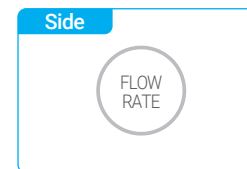
## 5. Compulsory Drainage



- ① Press the Compulsory Drainage button to drain all the water from the unit.
- ② Once the Compulsory Drainage button is pressed again during draining, it stops draining the water immediately.

※ When installed, please drain all the water inside the unit before moving the unit.

## 6. Flow Rate



- ① Press the Flow Rate button to check the current level of flow rate.
- ② Once the Flow Rate button is re-pressed, the level of flow rate changes.
- ③ The way of input water supplying can be changed by pressing the Flow Rate button as well.

※ **Tap Water Connected** : Connecting to the input water  
**Outer Water Tank** : Connecting to the outer water tank  
**Spare Water Tank** : Connectin to the spare water tank




# FILTER REPLACEMENT

1. Close the input water valve before filter replacing.

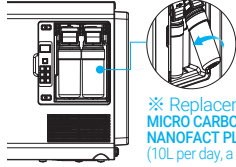
2. Remove all the water pressure and water remaining in the filter and the tube.

※ If the water pressure is not removed clearly, big amount of water might spill when filter replacing.

3. Disconnect the power plug.



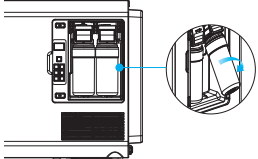
4. Open the filter cover and twist the used filter counter clockwise to separate it from the filter head.



※ Replacement Cycle  
**MICRO CARBON** : 4 months  
**NANOFACT PLUS** : 12 months  
 (10L per day, a family of four people)

5. Remove the protection cap of the new filter and twist it clockwise after attaching it to the filter head.

※ Follow the correct order of filter replacement procedure.



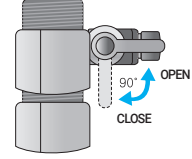
6. Open the input water valve and connect the power plug. Then choose one of the following instructions to clean the filter.

① Press the Flow Rate button for 2 seconds to clean the filter.

② Press the extraction button to drain 1L or more of water to clean filter.

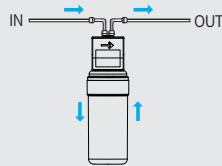
※ Check if there is any water leakage when the input water valve is opened.

※ Indicating light on the front blinks during filter cleaning and it turns off when cleaning is finished.



## Close the input water valve and disconnect the power plug before you start the filter replacement.

- The might be black powder coming out when the unit is initially installed or when the carbon filter is replaced. (the powder that might appear is for active carbon)
- Proceed at least 10 L of water flushing till there is no more appearance of bubble and water in black color before the unit is first installed or the filter gets replaced.



## Check List before the filter replacement

- Check the correct replacement cycle of the filter
- As the replacement cycle is not correctly followed, the quality of water filtering and the amount of water filtered reduce.
- Replacement cycle may differ depending on the amount of water use and the quality of water.
- Please contact our service center for the purchase and replacement of filter.
- Following the filter replacement cycle is highly recommended although the amount of water use is small.
- Valid amount of filtered water means the least amount of water that can be filtered without filter replacement and cleaning etc.

# CHECK LIST BEFORE CONTACT SERVICE CENTER

※ Please check the information below before you ask for the repair.

Symptom	Cause expected	Solution
Malfunction on Ice Making	Low power supply	Check the power voltage and set it as 220V if not.
	Ice making function on/off	Check if the indicator light blinks on Con. If the indicating light of Pon blinks, press the ice making button to start ice making.
	Outage	Check if the input water is well supplied and if the tube is not bent.
	Wrong installation	Install the unit 15cm away or more from the wall to not block the air vent.
Malfunction on Flow Rate (E_1)	Improper flow rate	If E_1 is occurred, check if the tube for input water is not bent. And press the flow rate button to see if the flow rate is set as same as the mode of input water supplied.
Malfunction on Drainage (E_2)	Improper drainage	If E_2 occurs, check if the tube for drainage water is not bent. If the tube is put higher than the product installed, move the tube somewhere lower than the product.
Ice cube storage issue (E_9)	Disassembled ice storage	If E_9 occurs with a "Ding" sound, check if the ice storage is assembled perfectly. If not, twist the sprial inside the ice storage to assemble the storage tight.
Spare water tank issue (E_a)	Disassembled water tank	If E_9 occurs with a "Ding" sound, check if the ice storage is assembled perfectly. If not, twist the sprial inside the ice storage to assemble the storage tight.
ETC.	Malfunction	Talk to servicen ceter for any issues appeared.

※ Please contact our service center for any filter replacement or A/S.

※ Wonbong is not responsible any damage or defect on units caused from filter replacement or A/S by a third party.

# CHECK LIST BEFORE CONTACT SERVICE CENTER

※ Please check the information below before you ask for the repair.

Symptom	Cause expected	Solution
Does not extract water	Low power supply	Check the power voltage and set it as 220V if not.
	Outage	Disconnect the power plug and turn it on when the outage is over.
	Connecting Tube bent	Keep the tube straight.
Water extraction is too slow		Check if the water pressure is 2.5kgf/Cm <sup>2</sup> (245kPa) or more
Noise occurs	Sound of water moving from the inside the unit	It's the natural sound occurring for water cooling.
	Sound from the ice making	It is the natural sound made from making ice cubes.
	Sound from ice stirring operation	It is normal to hear the noise made from the ice stirring operation.
Water leaks	Defect on the assembled parts	Close the water valve and contact service center.
Tiny particles are found from the purified water	Water vapor made from high flow rate	Extract 10 liters or more of purified water and reuse the unit.

# HOW TO CLEAN / CLEANING CYCLE

## How to Clean

### 1. Tray/Grill

Remove the water remaining in the tray once a week.

※ If ice making is operated, there might be drops of water in the tray from ice outlet.

### 2. Heater

Remove the dust in the heater with a vacuum machine once a month.

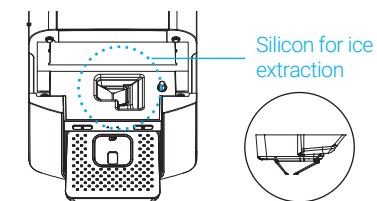
※ Malfunction may be occurred in cooling function if the heater is not clean.

### 3. Heater

Clean the water cock with a cotton swab.

### 4. Silicon for ice extraction

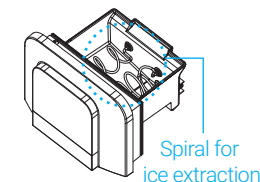
Pull out the ice storage to separate the silicon for ice extraction. Then re-assemble it after cleaning.



### 5. Ice Storage

Separate the ice storage and clean it with running water before drying and re-assembling.

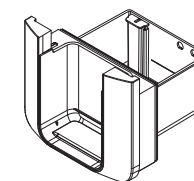
※ Do not wash it in water.  
 ※ Be careful to not have yourself cut from any sharp parts when cleaning.  
 ※ Do not separate the spiral of ice extraction.



### 6. Water Tank

Separate the water tank and clean it with running water before drying and re-assembling.

※ Do not wash it in water.  
 ※ Remove the water inside the tank when cleaning.  
 ※ Do not separate any other parts.

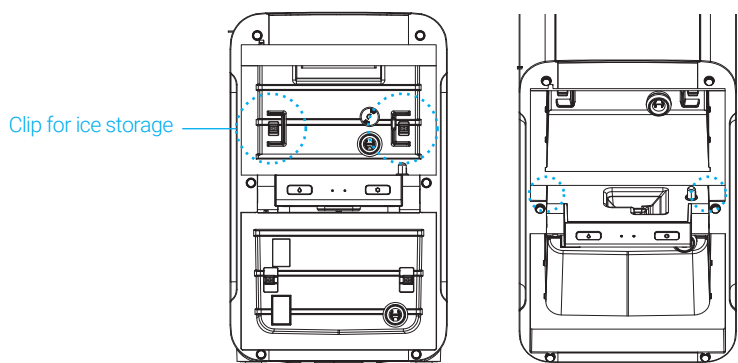


## HOW TO CLEAN / CLEANING CYCLE

### 7. Inner Parts

Separate the ice storage and water tank to cleaning the inside the unit.  
Then reassemble it after drying.

- ※ Be careful not to have yourself damaged from the clip in the ice storage
- ※ Dry it completely before re-assembling.



### Cleaning Cycle

Parts	Cycle	How to clean
Water cock	Once a day	Clean it with a cotton swab.
Silicon for ice extraction	Once a week	Pull out the ice storage to separate the silicon for ice extraction. Then re-assemble it after cleaning.
Ice storage	Once a week	Separate the ice storage and clean it with running water before drying and re-assembling.
Water tank	Once a week	Separate the water tank and clean it with running water before drying and re-assembling.

## SPECIFICATION

Product Name	RUHENS ICE MAKING WATER PURIFIER
Model Name	WHC-1000 / WHC-1010 (Water tank)
Power	AC 220V/60Hz
Dimensions	280(W)*562(D)*455(H)mm
Standard	10L/day
Power Consumed	220V, 1.2A (Ice Making), 10W (Heater)
Purification	1000ml/min
Ice Storage Capacity	1.7kgs
Amount of ice made a day	20 kgs
Refrigerant	R-134a/60g
Service Condition	Water Pressure 147~294kPa
	Water Temperature 5~35°C
	Water Quality Tap Water

# 제품보증서

제품명	루헨스 제빙 정수기	보증기간
모델명	WHC-1000/1010	제품 구입일로부터 <b>1년</b>
SER. NO.		
구입일자	년 월 일	
구입처		
고객성명	Tel.                      Mobile.	
고객주소		

- ※ 본 제품은 소비자원 소비자 피해보상 규정에 따라 고객의 정당한 피해를 보상해 드립니다.
- ※ 당사의 서비스를 원할 경우, 고객상담실로 연락주시기 바랍니다.
- ※ 가정용이 아닌 영업용도(영업활동, 비정상적인 사용환경 등)로 사용되는 경우 보증기간이 반으로 단축됩니다.
- ※ 보상여부 및 내용통보는 요구일로부터 7일 이내에, 피해보상은 통보일로부터 14일 이내에 해결해 드립니다.
- ※ 본 보증서는 국내에서만 유효합니다.

## ■ 소비자 분쟁 해결기준 안내

무상수리 서비스			
구 분	소비자 피해 유형	보상내용	
		보증기간 이내	보증기간 이후
정상적인 사용상태에서 자연발생한 성능, 기능상의 하자 발생 시	구입 후 10일 이내에 중요한 수리를 요할 때	제품교환 또는 구입가 환급	해당사항 없음
	구입 후 1개월 이내에 중요한 수리를 요할 때	제품교환 또는 무상수리	
	교환된 제품이 1개월 이내에 중요한 수리를 요하는 고장 발생 시	구입가 환급	
	교환 불가능 시		
	제품 구입 시 운송과정 및 제품 설치 중 발생한 피해 시	제품교환	유상수리
	보증기간 이내에 하자 발생 시	무상수리	
	동일하자로 3회째 고장 발생 시	제품교환 또는 구입가 환급	
	여러 부위 수리 후 5회째 고장 발생 시		
부품 보유기간 이내에 수리용 부품은 있으나 수리가 불가능한 경우	정액감가상각 후 환급		
부품 보유기간 이내에 수리용 부품을 보유하고 있지 않아 수리가 불가능한 경우	정액감가 상각한 금액에 구입가의 5% 가산		
소비자의 고의, 과실에 의한 고장 발생 시	수리가 가능한 경우		유상수리
	부품 보유기간 이내에 수리용 부품을 보유하고 있지 않아 수리가 불가능한 경우		유상수리에 해당하는 금액정수 후 제품교환

유상수리 서비스		
● 천재지변(화재, 염해, 가스, 지진, 풍수해 등) 및 사용환경에 의해 고장이 발생한 경우	유상수리	유상수리
● 사용전원의 이상 및 접속기기의 불량으로 인한 고장이 발생한 경우		
● 당사 서비스센터의 기사가 아닌 사람이 수리 또는 개조하여 고장이 발생한 경우		
● 사용상 정상 마모되는 소모성 부품을 교환하는 경우		
● 기타 제품 자체의 하자가 아닌 외부 원인으로 인한 경우		
● 고객의 요구에 의한 제품의 이동, 이사 등으로 인한 재설치 할 경우		

## ■ 제품별 품질보증기간 및 부품보유기간

제 품	품질 보증기간	
		제품 구입일로부터 1년

**주 | 원 | 봉**

A/S 문의 및 고객센터  
1577-8399

MEMO