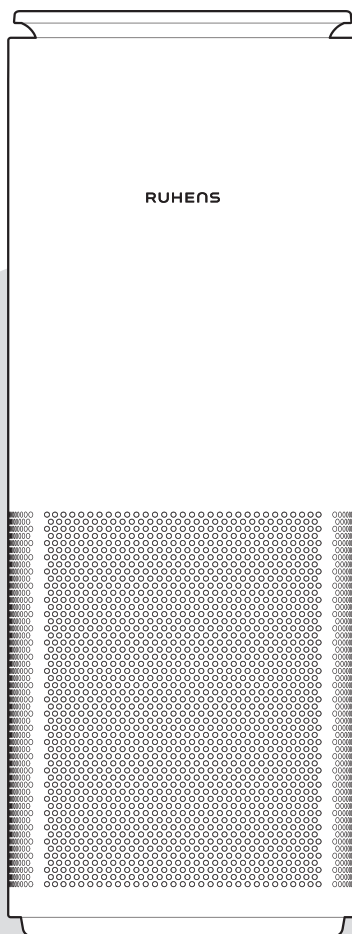


RUHENS

AIR PURIFIER OPERATION MANUAL

WHA-350



For your safety and proper use of the product, please read this User's Manual before use.

※ Warranty card included in this Manual.



01 FOR YOUR SAFETY

Precautions	4~11
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02 FOR INFORMATION





Name of each part	12
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How to use	14~15
How to clean the filter	16~17
How to replace the filter	18
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PRECAUTIONS


Instructions

- This appliance contains a UV-C emitter.
- Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV-C radiation. UV-C radiation may, even in little doses, cause harm to the eyes and skin.
- Appliances that are obviously damaged must not be operated.
- If the replacement of the UV-C emitter by the user is not allowed, this must be clearly stated.

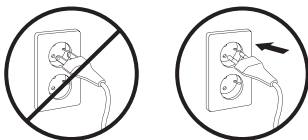
- Please read carefully following precautions to avoid unpredictable dangers and damages.
- Depending on the degree of danger and damage that could occur by improper use, precautions are divided into 3 types as below.


-  **Danger** : If not observed, serious injury or even death could occur.
 -  **Warning** : If not observed, serious injury or property damage could occur.
 -  **Caution** : If not observed, slight injury or property damage could occur.
-
-  This mark is for calling attention to dangers caused by improper use.
Please read carefully and follow the precautions.

Precautions for power supply

-  **Danger** Check if the voltage indicated on the appliance corresponds to the local power voltage before you connect the appliance.

※ It could cause a fire or electric shock.



-  **Danger** Before use, please wipe dust of other foreign substances off on the plug.

※ It could cause a fire or electric shock.

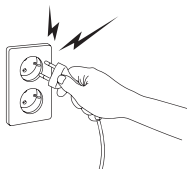




Danger

Please do not use when the plug is damaged or swinging.

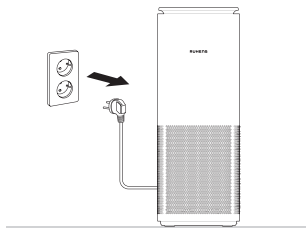
- * It could cause a fire or electric shock.
- * When the plug is damaged, contact customer service center or your purchasing place.



Danger

Before replacing filter, please unplug the power cord.

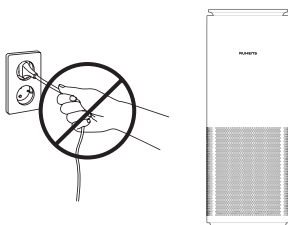
- * It could cause electric shock.



Danger

Please do not try to bend, tie or pull the power cord.

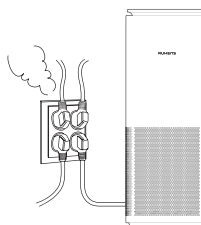
- * It could cause a fire by electric shock.



Danger

The outlet should be rated for more than 16A. Use a separate outlet for the unit.

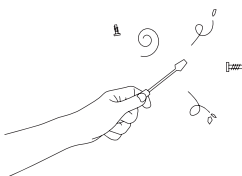
- * Do not plug too many cords into the outlet. It could cause a fire.



Danger

Please do not disassemble or modify the plug.

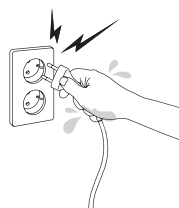
- * It could cause a fire or electric shock.



Danger

Please do not plug in or unplug the power cord with wet hands.

- * It could cause a fire or electric shock.

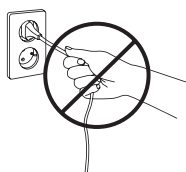


PRECAUTIONS

Precautions for installation

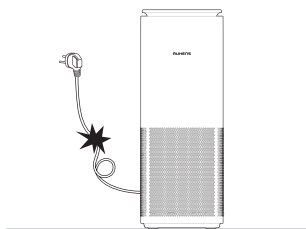
Danger Please do not unplug the unit by pulling out its power cord.

※ It could cause a fire or electric shock.



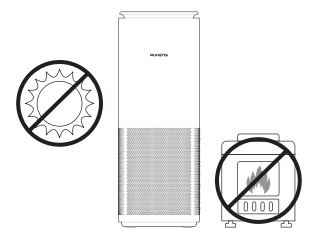
Danger Do not severely bend the power cord or put heavy object on it.

※ It could cause a fire.



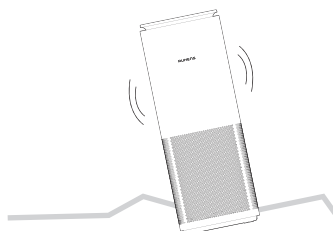
Caution Avoid heat and direct sunlight.

※ It could cause deformation of the exterior.



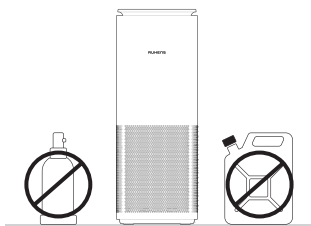
Caution Place the unit on a level surface and hard floor.

※ It could cause malfunction.



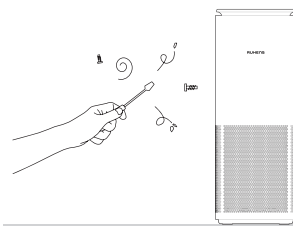
Caution Do not place the unit near inflammable materials.

※ It could cause an explosion and fire.



Caution Do not disassemble, repair or modify by yourself.

※ It could an electric shock or fire.

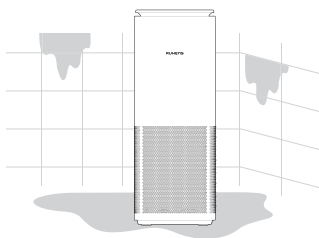




Caution

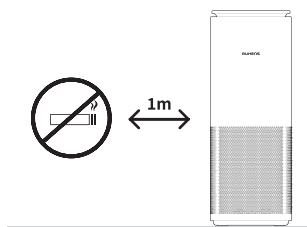
Please do not install the unit at a moist place like bathhouse, shower room or swimming pool.

※ It could an electric shock or fire.



Caution

Maintain a sufficient distance from inflammable materials.
At least 40 inches is recommended.



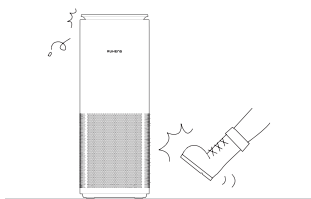
PRECAUTIONS

Precautions for use



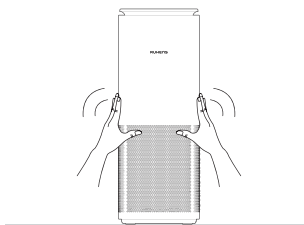
Caution Do not apply severe impacts to the unit.

※ It could cause malfunction, damage or electric shock.



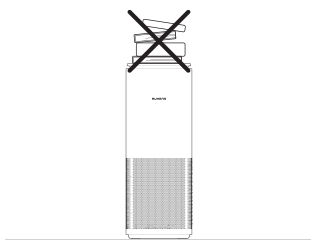
Caution Do not move the unit while it is being operated.

※ It could cause malfunction.



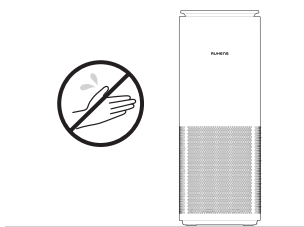
Warning Do not put heavy stuff on the unit.

※ It could cause damage to the unit.



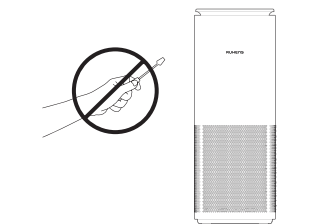
Warning Do not touch the interior of the product with wet hands.

※ It could cause electric shock or malfunction.



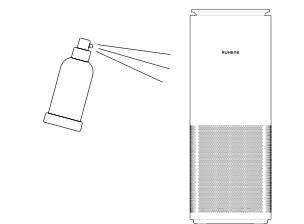
Danger Do not insert sharp wire or screwdriver into the unit.


※ It could cause electric shock or malfunction.



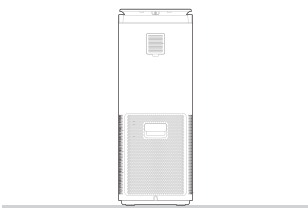
Danger Do not spray pesticide or flammable liquids.


※ It could cause a malfunction.



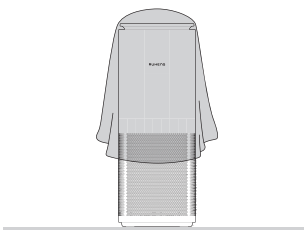
Caution  Do not operate the unit without filters.


* It could cause electric shock and product life cycle reduction.



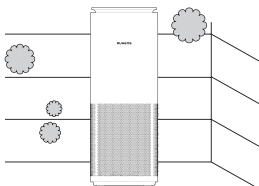
Caution  Cover the unit when it is not in use for a long time.


* It could cause a malfunction.



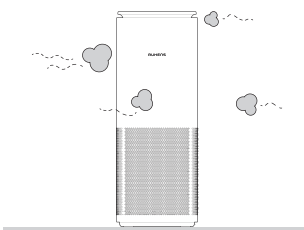
Caution  Do not use the unit in greasy or dusty places such as restaurants, kitchens or construction site.


* It could cause contamination of sensor and shortening of filter lifetime.



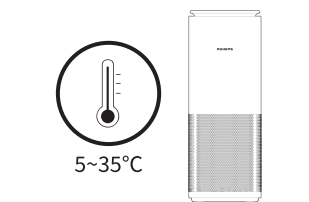
Caution  Do not use the unit in a place that has much of toxic gases.


* It could cause a malfunction.



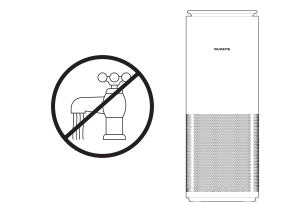
Caution  Do not use the unit in extremely cold or hot place.

* Optimum temperature for use is between 5°C and 30°C.



Caution  Do not spray the unit with water.

* It could cause electric shock or malfunction.



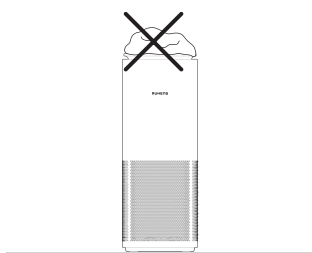
PRECAUTIONS

Precautions for use



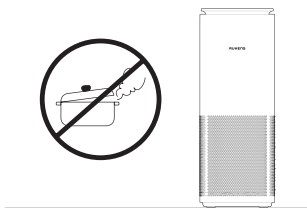
Do not block the air inlet or outlet.

※ It could cause a malfunction.



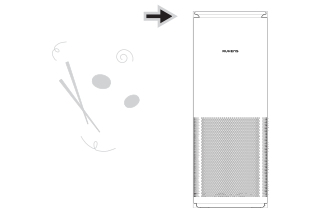
Do not use the unit for any other purpose than indoor air purification.

※ If used in the kitchen instead of ventilator, the filter replacement cycle will be shortened.



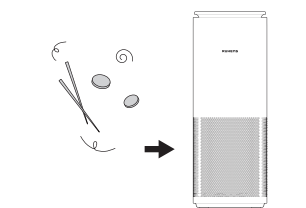
Do not insert anything like a coin or chopsticks into the inside of the upper grill.

※ It could cause a malfunction and damage.



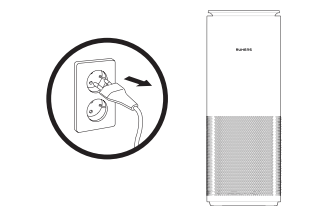
Do not insert anything like a coin or chopsticks into the air inlet or outlet.

※ Especially it requires attention for children. It could cause burns, electric shock and failure.



Stop using the unit if any irregular noise or smoke occurs.

※ Pull out the plug and then call the customer service center.

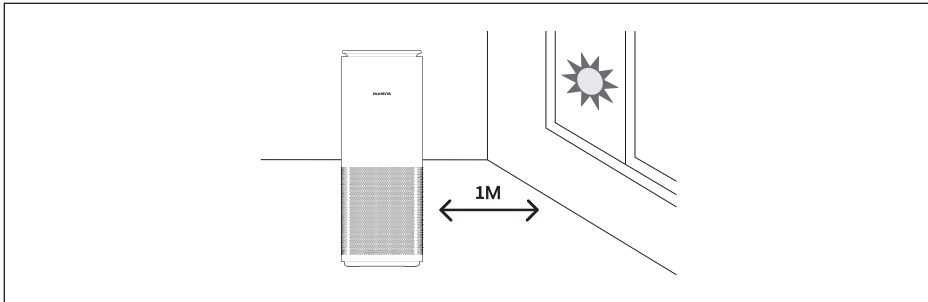


Do not allow children to play on or near the unit.



PRECAUTIONS

Safe place for installation



- **Indoor space protected from direct sunlight**

- > Direct sunlight may cause a malfunction of the product.
- > Dry and well-ventilated place

- **Avoid humid and windtight place**

- > Install the product on the hard and flat area.

- **If the product is installed on the inclined and weak place, it could make noise and vibration.**

- > It should be installed at a space of 1M far from wall.

Information

- **Tighten the filter before using and replace it if there is an abnormal odor from the product.**

- > The best quality of air-cleaning could not be expected if the filter is not connected to the product.
- > The quality of cleaning air could be less if the filter is dirty.
 - If the filter gets dirty or makes an abnormal odor and a weak air-flow, it must be replaced.

- **Reduce the use of the air purifier when cooking foods that occurs much odor such as fish.**

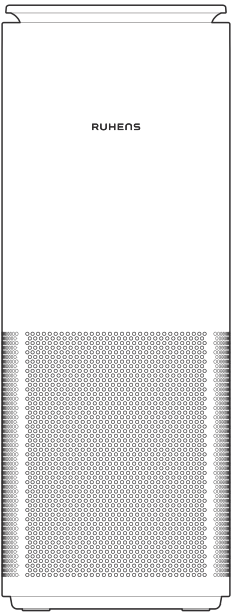
- > If you use the product while cooking a food with bad odor, the life of the deodorant filter could be shortened.
 - In severe cases, the product could make an odor when you use it after ventilating with a filter permeated with odor.
- > If the product makes an odor from the permeated UPFF(Ultrafine Particle Free Filter) and deodorant filter, replace the filter with new one.

- **Close the door and window while using the product.**

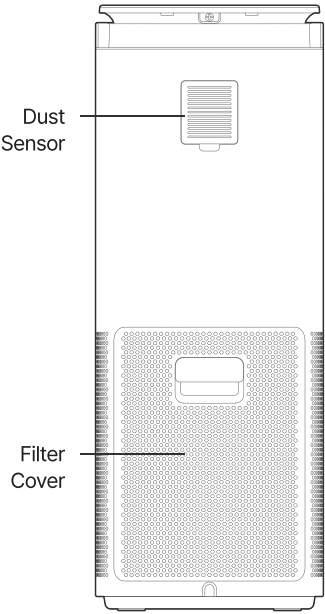
- > The quality of air-cleaning could be less if window or door is opened.
- > Unremovable poisonous gas : Carbon Monoxide (CO)

NAME OF EACH PART

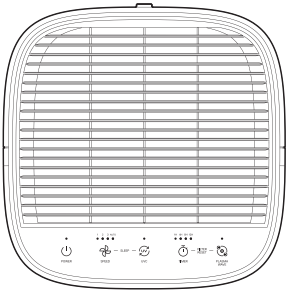
WHA-350



Front



Back



Top

FEATURES

◆ Dust sensor

It displays the number of the air pollution level with the dust sensor which is able to detect PM 2.5 (ultrafine particles). You can easily check the air pollution level of PM2.5(Ultra fine particles) categorized by colors.

◆ Various modes of operation

Manual / Automatic / Sleep modes are available. It always make fresh the indoor air by adjusting air-flow automatically according to the air pollution level of PM2.5(Ultra fine particle). In the sleep mode, the purifier operates with the lowest air-flow and the light of the indicator gets dark not to disturb your sleep.

◆ PLAZMA Wave

Activating the PLAZMA mode releases negative and positive ions into the air, purifying the indoor environment.

◆ UVC

It emits UV light at a wavelength of 270nm, which sterilizes bacteria and viruses, providing additional sterilization for air that passes through the filter.

◆ Filter reset

It tracks the product's operating time to monitor the filter's lifespan.

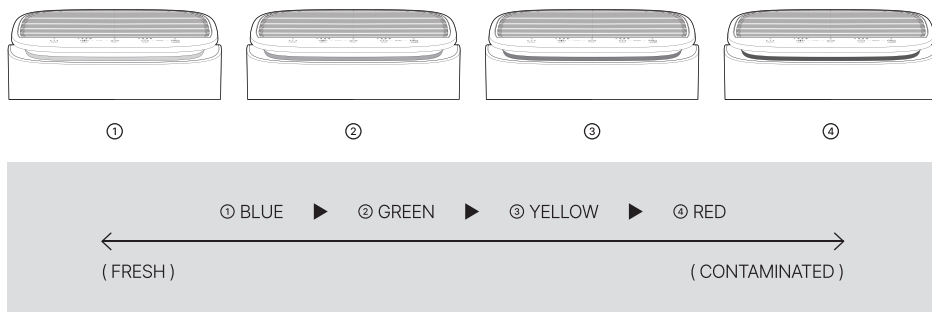
When the filter's lifespan is reached, the 12H LED in TIMER and PLAZMA WAVE LED will blink.

◆ 2 Stage of filter

- Pre-filter : It filters contaminants such as dust, fur, pollen etc. in the air
- Combination filter: It filters dust and deodorizes with HEPA filter and Deodorant filter combined into one
It can remove micro-contaminants such as dust, bacteria, mold, smoke and keep the surroundings fresh with activated carbon removing formaldehyde, which causes sick house syndrome, as well as unpleasant odors.

◆ **Contaminants indicator**

In auto operation mode, the dust sensor detects indoor air quality and displays the cleanliness level on the bottom of the product, based on the level of contaminants.



HOW TO USE

* For your safety and proper use of the product, please read and understand the following before use.

1. POWER button

- ① Press the POWER ON/OFF button to turn the air purifier on or off.

2. FAN SPEED

- ① Use this button to adjust the fan speed.
Repeated pressing of the Speed button while the air purifier is operating changes the fan speed, Auto step at a time, to the next speed in sequence. (1 ► 2 ► 3 ► AUTO ► 1)
- ② The fan speed is shown by LED indicator above the button.

1 2 3 AUTO
● ○ ○ ○



1STEP

1 2 3 AUTO
○ ● ○ ○



2STEP

1 2 3 AUTO
○ ○ ● ○



3STEP

1 2 3 AUTO
○ ○ ○ ●



AUTO

3. AUTO operation mode

- ① It operates automatically with optimized fan speed, based on the overall level of contaminants.

4. TIMER button

- ① The Timer feature instructs the air purifier to automatically power off a pre-determined time ranging from 1 hour to 12 hours. Repeated pressing of the TIMER button while the air purifier is operating changes the timer setting, one step at a time, to next setting in the sequence: 1 hr., 2hrs., 4 hrs., 8 hrs., 12 hrs., OFF.
- ② If the timer is set, "TIMER" LED in the display lights up and the timer setting you select is shown.

5. SLEEP button

- ① Set the sleep mode for the lowest air-flow and the minimum brightness of the display.
Button doesn't sound during the sleep mode.
- ② It goes into SLEEP mode when pressing both SPEED and UVC button simultaneously for 3 seconds.
- ③ Press sleep button again to turn off the sleep mode.
- ④ In the sleep mode, you can set auto power-off for sleep by pressing the time button.
- ⑤ During the SLEEP mode, all LEDs are off except for AUTO LED in SPEED and UVC LED, which blink at 1 - sec. intervals.

HOW TO USE

* For your safety and proper use of the product, please read and understand the following before use.

6. UVC button

- ① Press this button to turn on the UV mode, the UVC indicator illuminates.

7. Filter reset

- ① When pressing both the TIMER and PLAZMA buttons simultaneously for 3 seconds, the filter replacement cycle will be reset.
- ② During initialization, a notification sound will play, and the 12H LED in TIMER and PLAZMA WAVE LED will blink briefly .

8. PLAZMA WAVE button

- ① Press this button to turn on the PLAZMA mode. then the LED indicator illuminates.

HOW TO CLEAN THE FILTER

Precautions on using filter

1. Precautions for using filters

- Make sure to use WONBONG genuine filters.
- Contact service center to purchase filter.
- Refer to the opposite page for replacing filter.

2. Precautions for replacing filters

- Make sure to disconnect the power cord before replacement.
- Make sure to remove vinyl of the new filter. If you use the air purifier with the filter covered vinyl, a warpage or a fire could happen due to the unusual sound and overheating of the motor.
- No returns are allowed if you remove the packaging of the set of the new filter.
- Please be careful when replacing filter and excuse the return policy.

Features of filter

1. Pre-filter

- Traps large particles in the air such as dust, fur, pollen, and so on.

2. Combination filter

- Filters dust and deodorizes with HEPA filter and Deodorant filter combined into one.

It can remove micro-contaminants such as dust, bacteria, mold, smoke and keep the surroundings fresh with activated carbon removing formaldehyde, which causes sick hous syndrome, as well as unpleasant odors.

* The ultrafine dust collection filter and the deodorizing filter are integrated into a single unit.

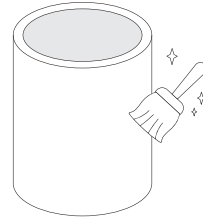
Filter replacement cycle

Division	1st step	2nd step
Filter	Pre-filter	Combination filter
Period	Abt. 4 months	Abt. one year
Cleaning method	Vacuum the filter once a month	Not cleanable, Need to be replaced

HOW TO CLEAN THE FILTER

Cleaning method for pre-filter

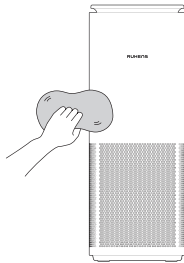
- Clean the pre-filter with a soft cleaning brush or vacuum cleaner once a month.
- When using vacuum cleaner, clean softly with the lowest suction power.
- Do not use benzene, alcohol, volatile detergents and hot water (over 40°C) that cause damages and discoloration.
- Adjust the cleaning cycle depending on the amount of the air purifier used or air pollution around.



How to clean the purifier

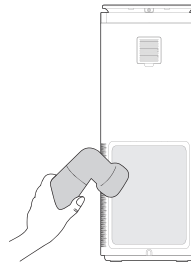
1. Outside

Clean the purifier with a cloth soaked with water or neutral detergent. And wipe it with a dry cloth.



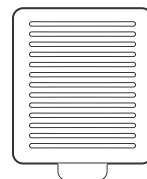
2. Inside

Open the cover filter on the rear and vacuum inside.



How to clean the dust sensor

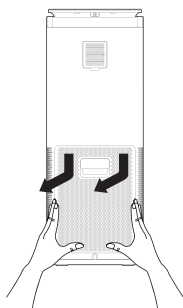
- Disconnect the power cord before cleaning.
- Open the cover of the dust sensor on the rear and wipe the lens carefully with a cotton swab.
- Clean the dust sensor once every 6 months.
- You can adjust the cleaning cycle depending on the amount of the purifier used or air pollution around.



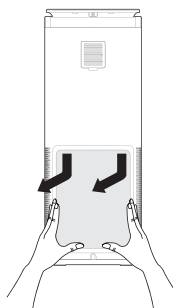
Dust Sensor

HOW TO REPLACE THE FILTER

1. Disconnect the power plug and pull out the filter cover at the rear of the product.

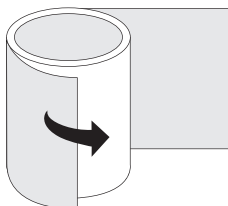


2. Pull out the whole cylindrical filter.

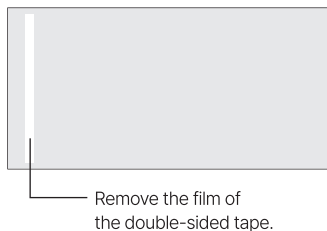


1) Pre-filter

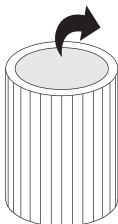
- ① Remove the pre-filter attached by double-sided tape at the exterior of the filter.



- ② Remove the film of the double-sided tape at the ends of the new pre-filter and attach the ultrafine dust collection filter.



2) Combination filter



- ① Replace the combination filter as a whole by pulling it out from the purifier.
The recommended replacement cycle for the combination filter is every 12 months.

- ② When replacing the combination filter, the pre-filter is attached and replaced together as a single unit.

- ③ After replacement, reassemble the parts in reverse order of disassembly.

SOLUTION TO COMMON PROBLEMS

* Read the following troubleshooting carefully before requesting customer service.
If problems are persistent, please contact service center.

Problem	Cause	Possible Solution
The air purifier doesn't work.	Check if the power cord is connected well.	Connect the cord to the product well.
	Check if it is power outage.	Check if it has electricity and turn on the purifier again.
AUTO mode doesn't work.	Check if the power cord is connected well.	Disconnect and connect the cord again and press the button to control.
	Check if you selected the automatic mode.	Press the fan speed button to select the AUTO mod. (Check the illumination on AUTO mode indicator.)
Red light on the indicator of the cleanliness level.	Have you cleaned the sensor? Check if the sensor is blocked.	Clean the dust sensor. Contact service center if the indicator is still on red after cleaning.
Massive vibration and loud noise	Check if the purifier is on the uneven place.	Place the purifier on the flat surface.
Power cord and concent getting hot.	Check if the power cord is connected well.	Connect the cord to the product well.
Unusual smell from the purifier	Do you use the purifier in the smoky place with lots of smells?	Clean the air inlet and pre-filter. Replace the filter.
Weak air flow Air purification doesn't work.	Check if the grill is covered with lots of dust or is blocked by some stuff.	Remove the stuff on the grill and replace the filter.
Unusual display on the indicator	The lamp of the fan speed keeps blinking with ring sounds.	The air purifier has a problem. Please contact service center.
Unusual sound	Crackle sound from the air purifier	The clust ionizer may make the sound during operation.

* Please contact service center for After Service or filter replacement if you have problems of the air purifier.

* WONBONG shall not be liable for any loss or accidents from repairs/modification or filter replacement done by someone else who is Rudi.

SPECIFICATIONS

Product name	RUHENS Air purifier
Model no.	WHA-350
Power Supply	AC 220-240V / 50Hz, 60Hz
External dimensions	W275 x D278 x H731 (mm)
Product weight	Abt. 7.3kg
Power Consumption	34W

WARRANTY CARD

PRODUCT WARRANTY

Product	Model	WHA-350
	Date of manufacture	O
Date of purchase		
Customer's name		
Dealer's name		

Warranty Guide

1. The warranty period is 12 months from date of purchase.

2. In following case, the product will be repaired at cost.

- ① After expiry of free warranty period.
- ② Malfunction of caused by careless or abnormal use.
- ③ Malfunction of caused by natural disaster.
- ④ In case this manual has been lost.

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We cannot take any responsibility for any damage caused
by not using our genuine filters or parts.