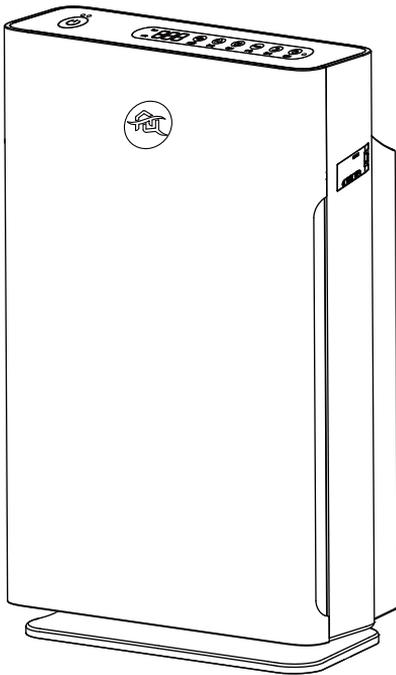


KJ400F-01A MESP Air Sterilizing Purifier

User Manual



Contents

Product Introduction	01
Safety Precautions	02
Components Description	06
Usage	07
Product Operation	08
Maintenance	09
Specification Parameters	12
Troubleshooting	13

Thank you for purchasing AirQuality sterilizing purifier

- * Please read this manual carefully before use.
- * Keep in mind the "Safety Precautions" in the manual to ensure safe operation.
- * The product appearance is subject to the material object.
- * Please use this product indoors.

Airquality Technology (Shanghai) Co., Ltd. is established by a joint venture from Spanish company Herver-9 S.L. and Super Merit Holdings Limited. Super Merit Holdings Limited, one of the world's first professional institutions focusing on the field of air purification, has been committed to the long-term development and application of air clean technologies for a long time.



Micro-electrostatic technology can produce strong electric field, which exerts great attraction on the moving charged particles in the air to adsorb the moving particles, especially for PM2.5 and other particulate pollutants. Meanwhile, the strong electric field can kill the bacteria, viruses and other micro organisms that are attached to the particles through micro discharge to avoid secondary pollution.

Micro-electronic filter needs no replacement and can be washed repeatedly, thus no extra cost on material replacement.



Japan M8 formaldehyde filter (Optional) can absorb and decompose formaldehyde stably for a long time. Due to no secondary pollution, it completely solves the formaldehyde pollution problem caused by decoration and effectively improves indoor air environment, thus it can give customers lasting protection and make them have long-term health.



400 cubic meters per hour of high clean air delivery rate (CADR) to meet the needs of the large space. Three-dimensional circulating air can rapidly remove hair, scurf, soot, pollen and the particulate matter smaller than 2.5 micrometers (PM 2.5) which can go directly to the alveoli of the lungs and undesirable odor, formaldehyde, benzene homologs and other harmful substances in the air, in the room, so the filter is the best choice for living room, office and other large spaces.



More intelligent experience. The particle sensor can comprehensively monitor the smoke, dust, PM2.5, and others in the room, that is, real-time air quality indicator light, it can "see" air quality. Its intelligent mode can automatically regulate the sterilizing speed, its sleep mode, scheduled shutdown and child safety lock function make the MESP Air sterilizing purifier more user-friendly. The standby power less than 2W makes it be more environmentally-friendly and economical.

In order to avoid injury or loss to yourself or others, please read the following safety precautions. If you transfer this product to other customers, please transfer this manual as well

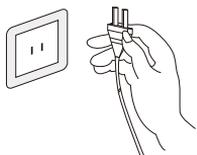
⚠ Warning

The following information relates to personnel safety and must be strictly observed.

This product is suitable for indoor use. It is prohibited to use this product in the following places:

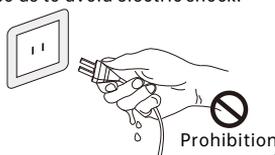
- Where oil or combustible gas is used and leakage may occur.
- Where there is corrosive gas and metal dust.
- Places with high humidity like bathroom or places with heavy oil smoke like kitchen.
- If the power cord is damaged, in order to avoid danger, it must be replaced by professionals from the manufacturer, its maintenance department or similar departments.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Please connect AC110~240V 50~60Hz power when connecting the product with adapter.



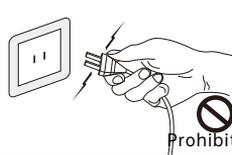
Must

Please do not plug in or unplug the power supply with wet hands so as to avoid electric shock.



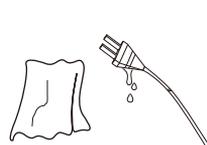
Prohibition

Please do not use the damaged power plug so as to avoid electric shock or fire.



Prohibition

Please dry the plug when it is stained with water or other liquid.



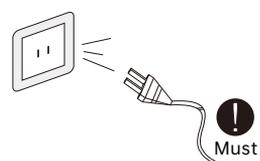
Must

Do not plug in or out continuously.



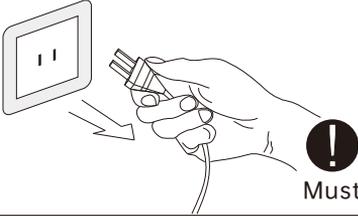
Prohibition

Please unplug the product for long-term non-use.



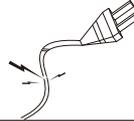
Must

Please unplug the power product before maintenance and/or repair.



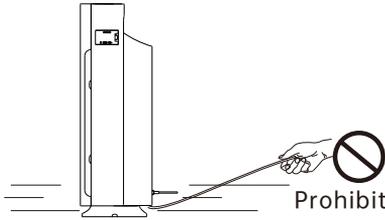
Must

When the power cord is damaged, please do not replace it by yourself or process it for use at will. Please contact the after-sales department.



Must

Please do not move the product by dragging the power cord.



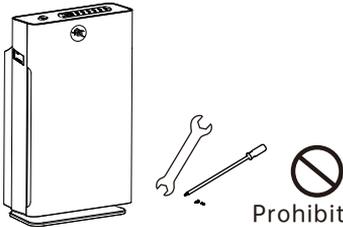
Prohibition

Avoid pets biting the power cord so as to avoid electric shock or fire.



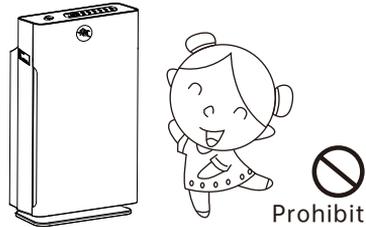
Prohibition

Please do not repair or modify the product at will.



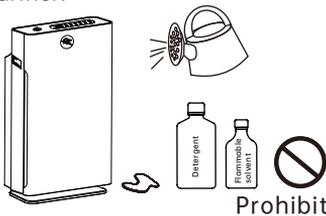
Prohibition

Children are not allowed to play with the product at will.



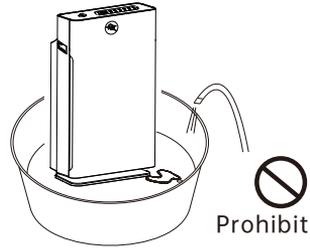
Prohibition

Please do not use water, detergent or flammable solvent to clean or sprinkle the purifier.



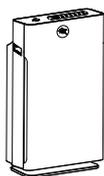
Prohibition

Please do not immerse this product in water.



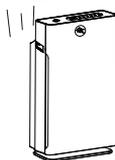
Prohibition

Do not place or use combustible gas or kindling materials near the product.



Prohibition

Please do not turn on the machine when using mosquito repellent or other insecticides. After using insecticides, the room should be ventilated thoroughly before using the purifier.



Prohibition

Do not spray insecticides, aromatics and other kindling materials at the air inlet.

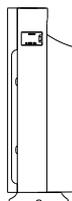


进风口



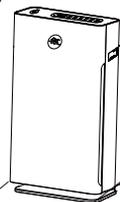
Prohibition

Please don't put water appliance, medicine, food and small metal articles on the product.



Prohibition

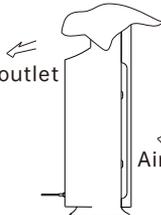
Please don't place the product in an inclined position.



Prohibition

Please don't block or cover the air inlet and outlet with articles.

Air outlet



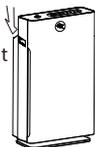
Air inlet



Prohibition

When an object accidentally falls into the machine from the air outlet, please shut down and cut off the power supply, contact the after-sales department to take out the dropped object before using it again.

Air outlet



Must

In case of abnormal noise, smoke or peculiar smell, please cut off the power supply immediately and contact the after-sales department.



Must

⚠ Cautions

The following information is for your better use of this product, please take caution.

Please place the purifier according to the following positions.

Must

For better air circulation, do not place obstacles around the product when it is used.

Must

Please don't place the product in direct sunlight so as to avoid accelerating the aging and discoloration of the product.

Prohibition

Please use this product more than 2m away from TV and other electronic products so as to avoid interference.

Must

Please don't use this product in the place with heavy oil smoke, like kitchen.

Prohibition

The use of this product can not replace ventilation. When it is used together with combustion apparatus, it is necessary to let indoor and outdoor air circulate.

Must

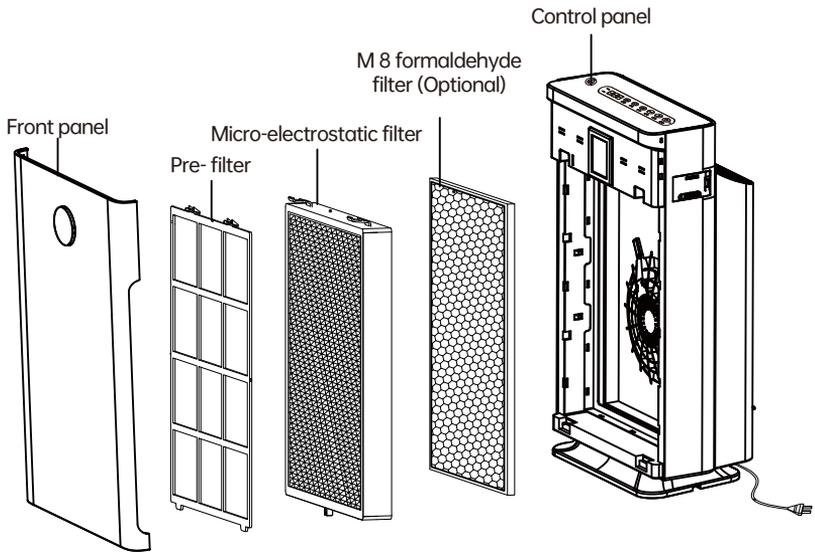
All filters need to be installed before running the machine for the best sterilizing effect.

Must

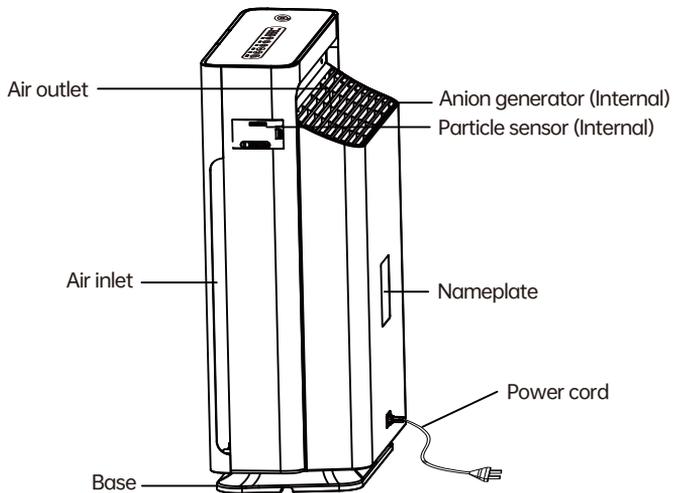
For better performance, please clean or replace the filter regularly.

Must

Components Breakdown



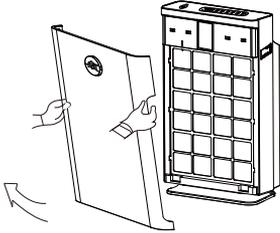
Back



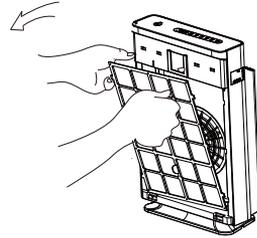
⚠ Cautions

Before using the product for the first time, install the M8 formaldehyde filter (Optional) as follows: (only for optional M8 formaldehyde filter, the standard configuration can be used with direct power on)

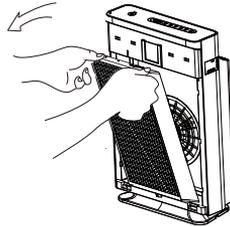
1. Hold the upper end of the front panel with both hands, pull the front panel outwards with a little force, and remove the panel upward.



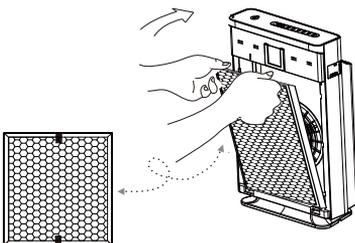
2. Pull the handle in the middle of pre-filter, and remove it gently.



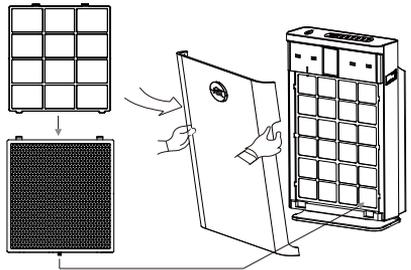
3. Press the two buckles on the upper end of micro-electronic filter with both hands and remove them.



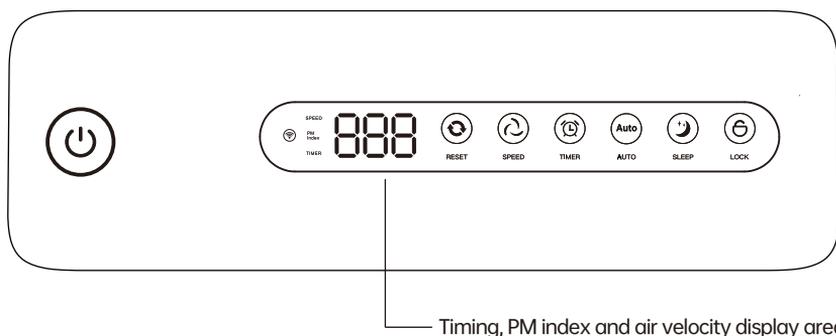
4. Remove the package of M8 formaldehyde filter (Optional) and install it into the sterilizer.



5. Successively install micro-electrostatic filter and pre-filter back to the original position, and then install the front panel.



Instructions of Control Panel



Instructions for Function Operation

- 

Plug in the Power cord, so that the machine enters stand-by state; press "  " button for power on/off.

SWITCH
- 

Press "  " button for 3s to reset the filter time (Reset button will light up along with a phonic alarm after accumulated running of 720 hours as washing remind.)

RESET
- 

Under power-on state, by touching "  " button, adjustment of air velocity gears can be realized (3-4-1-2-3 cycle)

SPEED
- 

Timing set: by directly touching "  " button, timing setting can be realized, the time set is: 1H > 2H > 3H > 4H > 5H > 6H > 7H > 8H > 9H > 10H > 11H > 12H > 0H.

TIMER
- 

By touching "  " button, you can start or quit the automatic operation mode.

AUTO
- 

By touching "  " button, you can start or quit the sleep mode.

SLEEP
- 

By pressing "  " button, you can start or quit child lock protection function, to prevent misoperation by children.

LOCK

Cautions The air quality indicator light displays as follows in color:

The sensor can detect the particulate pollutant in the air that is greater than 1 micron, the blue/ yellow/ red indicator light could detect the absorbable particulate pollutant concentration level in the air, blue indicates clean, yellow indicates pollution, and red indicates severe pollution.

⚠ Warning

- Before maintenance, please shut down the sterilizer and disconnect the power supply!
- Reset button will blink once the cleaning time is up, and then remove the filter to wash with water and dry in the air, press reset button for 3s to retiming the cleaning time.

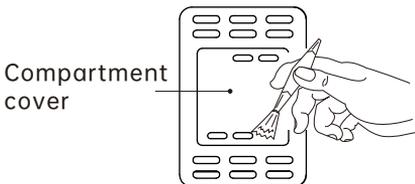
1. Cleaning of the machine

When there is dirt on the surface of the machine, it can be wiped with the soft cloth, which is immersed in water, after being dried. When the dirt is hard to clean, it can be wiped with the soft cloth that is dipped with a small amount of alcohol. In case the air inlet and outlet are dirty, the dirt can be cleaned with a soft brush first, and then wipe them with a soft cloth.

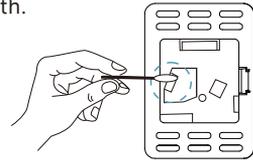
- It is forbidden to wash the machine body directly with water.
- It is forbidden to wipe the fuselage with gasoline, volatile oil, diluent, etc.

2. Sensor cleaning

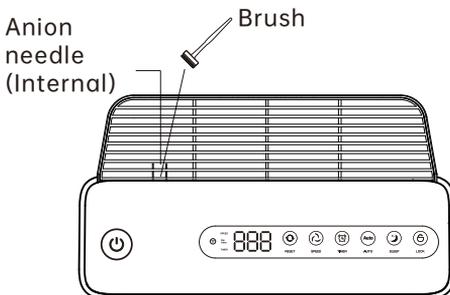
1. Use a soft brush to brush the sensor compartment cover and the surrounding through holes.



2. Remove the compartment cover, and wipe the inner lens at the position of the sensor with a cotton rod, as shown in the figure. The cotton rod can be dipped with a small amount of water for wetness. Do not use alcohol. The sensor can be cleaned once a month.



3. Cleaning of anion needle



In order to obtain better sterilizing effect, it is necessary to keep the anion needle clean.

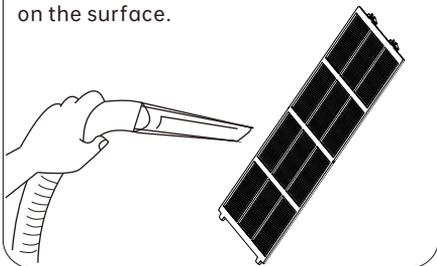
The anion needle is located inside the air outlet (as shown in the left figure), which are two metal needles. Use the attached brush to extend into the machine from the air outlet and brush off the dust on the two metal needle tips.

It is recommended to clean once a month.

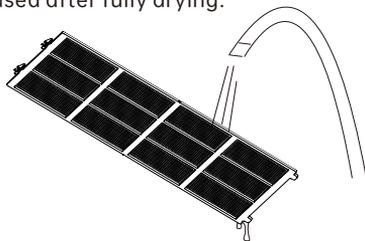
4. Cleaning and replacement of filter

4.1 Cleaning of pre-filter

1. When the sterilizing purifier prompts to clean the filter, it is recommended to clean it in time, and use a vacuum cleaner or a soft brush to clean the dust on the surface.

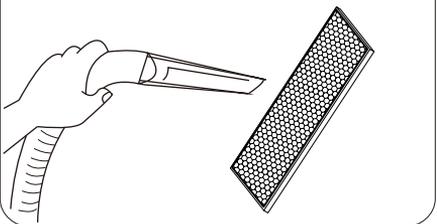


2. Wash with water and use it after drying. When the dirt is hard to clean, it can be cleaned with soft brush together with neutral detergent, and it can be used after fully drying.

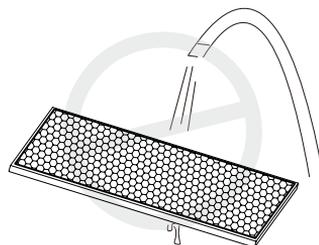


4.2 Cleaning of M8 formaldehyde filter (Optional)

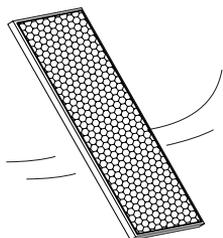
1. When the electrostatic air sterilizing purifier prompts to clean the filter, it is recommended to clean it in time, and use a vacuum cleaner to suck out the dust in the electrostatic box filter.



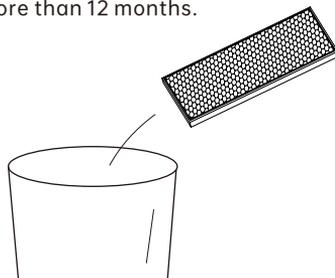
2. The M8 formaldehyde filter (Optional) cannot be washed with water.



3. If you feel peculiar smell, you can put it in a well-ventilated place for one day before use.

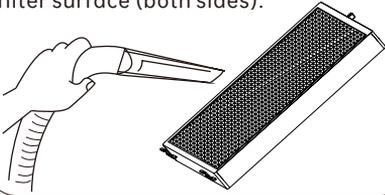


4. The M8 formaldehyde filter (Optional) is recommended to be replaced after 6 months of use, and it shall not be used for more than 12 months.



4.3 Cleaning and drying of micro-electrostatic filter

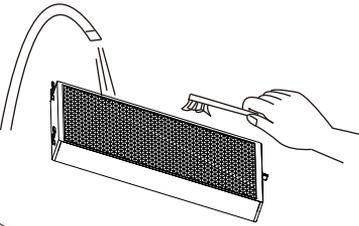
1. When the electrostatic air sterilizing purifier prompts to clean the filter, it is recommended to clean it in time. Use the suction nozzle of the vacuum cleaner to suck out the dust along the filter surface (both sides).



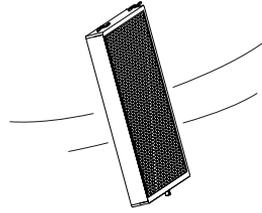
2. When the fouling of micro-electronic filter is much more, it can be soaked in warm water with a small amount of detergent for 2 to 3 minutes. (Special cleaning agent of AirQuality is recommended)



3. Take the soaked micro-electrostatic filter to the tap water and wash it with a soft brush until it is clean.



4. Dry the water on the cleaning filter, place it in a well-ventilated place, and put it into the machine again after it is completely dry.



⚠️ Cautions

- When the micro-electrostatic filter is just taken out of the machine, please do not touch the exposed metal electrode with your hand. The electrode may still have static electricity because the charge stored in the filter is not released completely! Please leave it for 30 minutes before operation.
- When cleaning the filter, if you need to use cleaning agent, please thoroughly wash the cleaning agent until there is no obvious residue.
- Please do not use water above 50°C to clean the micro-electrostatic filter.
- Please do not use the method of more than 50°C to dry the filter, which may cause discoloration and deformation of the filter and make it unusable.

💡 Tips

- The filter can be sprayed or soaked with 75% medical alcohol.
- Do not use strong oxidants, such as chlorine (84 disinfectant), guanidine, quaternary salts, iodine, aldehydes, phenols, peroxides, ozone and other corrosive disinfectants for pre-disinfection.
- After cleaning, micro-electrostatic filter may not restore its original color, which is a normal phenomenon and does not affect the performance of the filter.
- If the micro-electrostatic filter is not dried sufficiently after cleaning and there is a small amount of water inside, the performance of the filter will be affected. In case of continuous use, the filter performance will recover naturally after the water disappears.



Drying methods of micro-electrostatic filter

The excess water in the micro-electrostatic filter must be removed before the drying operation. According to the direction of the four sides of the micro-electrostatic filter throw them out successively, at least three times in each direction, until there is no obvious water point. And dry the water drop on the surface with a dry soft cloth. Natural drying method: place the opening side of the micro electrostatic module downward, and dry in a cool and ventilated place for two hours, then it can be used normally.

Product	MESP Air Sterilizing Purifier
model	KJ400F-01A
Rated voltage	110-240V 50-60 Hz
Rated power	55W
Disinfection method	Electrostatic
Output voltage	-8.2 kV
Anion concentration	10×10^5 pcs/cm ³
Rated Air volume	570m ³ /h
Clean air delivery rate(CADR particulate matter)	400m ³ /h
Clean air delivery rate(CADR formaldehyde)	180m ³ /h (Optional)
Cumulative particulate matter cleaning energy efficiency (CCM)	P4
Cleaning energy efficiency(particulate matter)	7.3m ³ /(W·h) (high-efficiency level)
Cleaning energy efficiency(formaldehyde)	3.3m ³ /(W·h) (high-efficiency level) (Optional)
Effective room size	25~40m ²
Noise (sound power level)	62dB(A)(high-speed mode) 32dB(A)(sleep mode)
Noise (sound pressure level)	48dB(A)(high-speed mode) 18dB(A)(sleep mode)
Sterilizing rate	99.9%(Staphylococcus albus)
Disinfection time	60min
Sensor	The particle sensor
Power cord length	1.8m
Product dimensions	420mm*240mm*690mm
Product weight	9.5kg
The type of protection against electric shock	Class II 

When you suspect that the product is faulty, please confirm the cause of the phenomenon as described in the following table and handle it.

Phenomenon	Cause	Handling
Does the purifier run?	Power plug falls off or get loosen	Reconnect the power supply
	The supply voltage is abnormal	Check whether the power supply voltage is 110V~240V
	Remove the front panel or the front panel is not installed in place	Install the front panel in place
Key does not respond to operation?	Remove the front panel or the front panel is not installed in place	Install the front panel in place
It is noisy during the runtime?	The package of M8 formaldehyde filter (optional) isn't removed	Unpack the package to use the machine again
	Filter is dirty and blocked due to long-term failure to clean	Clean the filter in time
Is the air quality indicator always red?	After a long time of use, dust will adhere to the sensor lens of the machine, which will affect its detection sensitivity and lead to misjudgment of air quality	Clean the sensor on time
Does the filtering effect become worse?	If the filter is not cleaned for a long time, it will be dirty or blocked, or the M8 formaldehyde filter (optional) will not be replaced after long-term use, or the micro-electrostatic filter will not be completely dried after cleaning	Clean and replace the filter in time or dry the micro-electrostatic filter completely

Please contact the customer service hotline 4007 288 696 of the manufacturer for other conditions or cleaning and maintenance. Do not dismantle and handle by yourself! Thank you!

Packing list

Name	Quantity
Main Electrostatic Sterilizing Purifier	1
Manual	1
Warranty card	1
Certificate of quality	1
Brush	1

Special Instructions

1. The micro electrostatic technology was tested by Guangzhou Institute of Microbiology. In the 30 m³ test chamber, After 60 minutes of operation, 3 times results of decay rate of natural bacteria in the air all greater than or equal to 90 %
2. The micro electrostatic technology was tested by Guangzhou Institute of Microbiology. In the 10 m³ test chamber, 3times of disinfection rate of Staphylococcus albus all greater than or equal to or 99.90% after 60 minutes of operation.

In order to continuously improve product quality and meet users' need, the Company has the right to make appropriate changes to product specifications, No further notice will be given at that time. Please understand.



AIRQUALITY

Take a deep breath!!

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Official website: <http://en.airquality.com>

Sina Weibo: @ AirQuality Technology (Shanghai) Co., Ltd.

In order to continuously improve product quality and meet the customer's requirement, we will not send any notice additional in case there is any data change. Thank you very much for understanding.