A3&E Interactive Touch™

Air sterilizer AEP-600K

Contents

AEP-600K Intelligent Electrostatic Air sterilizer

Product Description:

AEP-600K Intelligent Electrostatic air sterilizer. Its core components is the integration of double high voltage electrostatic module, at the same time equipped with UVC-LED disinfection core, primary filter, photocatalytic filter, ozone decomposition filter, high voltage plasma, negative ions, DC brushless motor and constant current fan to form a complete air sterilization working system, achieving the effect of air sterilization.

Working principle:

Under the action of fan, the indoor air passes through the primary filter, double high voltage electrostatic module, UVC-LED disinfection core module, ozone decomposition filter, photocatalytic filter, high voltage plasma and negative ions. During this process, bacteria in the air are killed.

Categories of killing microorganisms: airborne bacteria, virus, TVOC, PM2.5, smoke, etc.

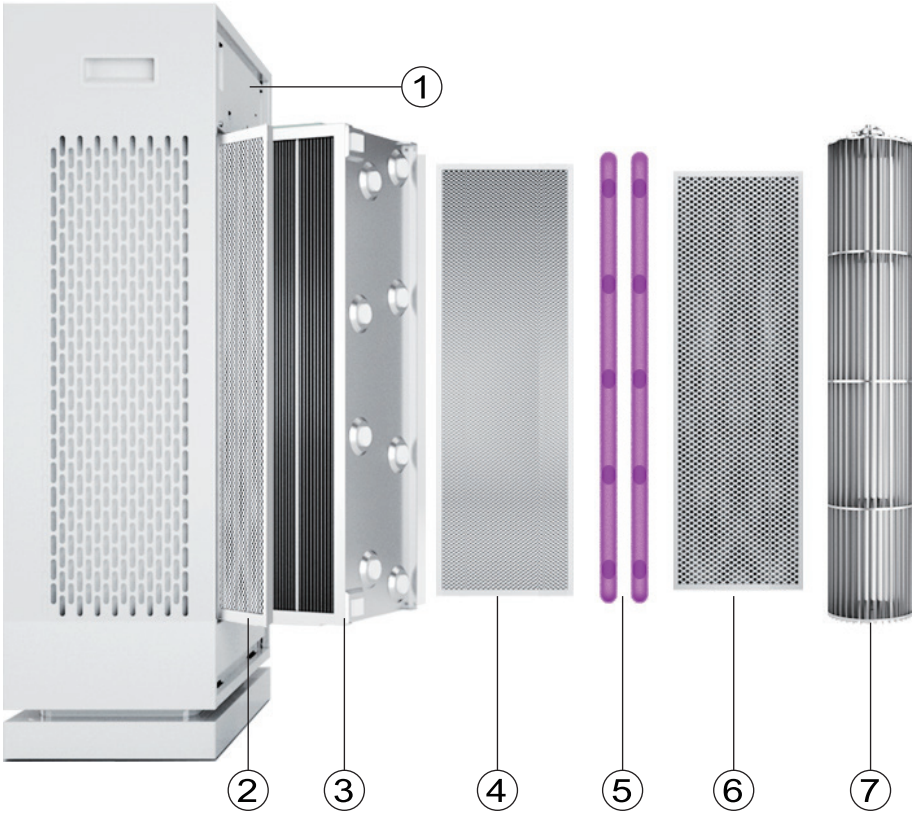
Main sterilization factor: high voltage strength of electrostatic module is 8000V and 4000V.

PRODUCT SPECIFICATIONS

Modle No.	**AEP-600K**
Rated voltage	**110V**
Rated frequency	**60Hz**
CADR	**600m^3/h**
Sound	**sleep<30db,max 60db**
Rated power	**35W**
Weight	**31kg**
Dimension	**43.5x26x92cm**
Application Area	**60-100 sqm**

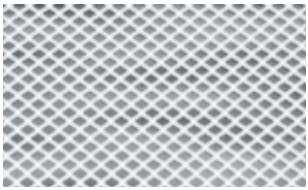
Product structural diagram

Total 7 stages of Sterilization and purification,3 of them can kill flu virus and bacteria.It can kill bacteria, fungus, virus and other microorganism that is hazardous to health.



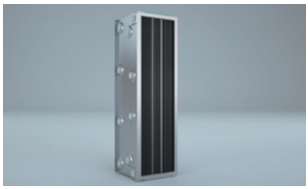
1. Built-in high voltage plasma
2. Primary filter
3. Two-zone electrostaic ion box
4. Ozone decomposition network
5. LED UV LAMP
6. Photocatalytic net
7. Carbon brushless silent fan

Stages of Sterilization



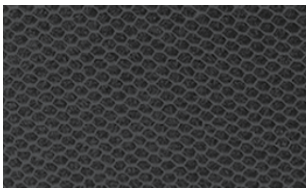
Layer 1 Primary filter

It mainly filters particles that are 10microns and above.
It is used to prevent the cotton wool and fluff into the electrostatic field.



Layer 2 Two zone electrostatic ion box

Through the application of high-voltage electrostatic dust removal technology and ionization sterilization technology, it can be washed without consumable material, zero cost for life, has the function of removing PM2.5 dust particles, enhancing the dust removal effect,and can kill pollutants, mites, bacteria, germs, etc.



Layer 3 Ozone decomposition network

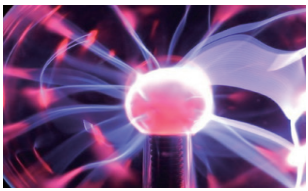
It has the high efficiency ozone
decomposition ability, can decompose the excess ozone in the air catalysis.

Layer 4 LED UV LAMP

Using double ultraviolet wavelength irradiation, the RNA and DNA of bacteria and other microorganisms are broken, so that they lose the ability to reproduce and survive, so as to achieve the goal of sterilization.

Layer 5 Photocatalytic net

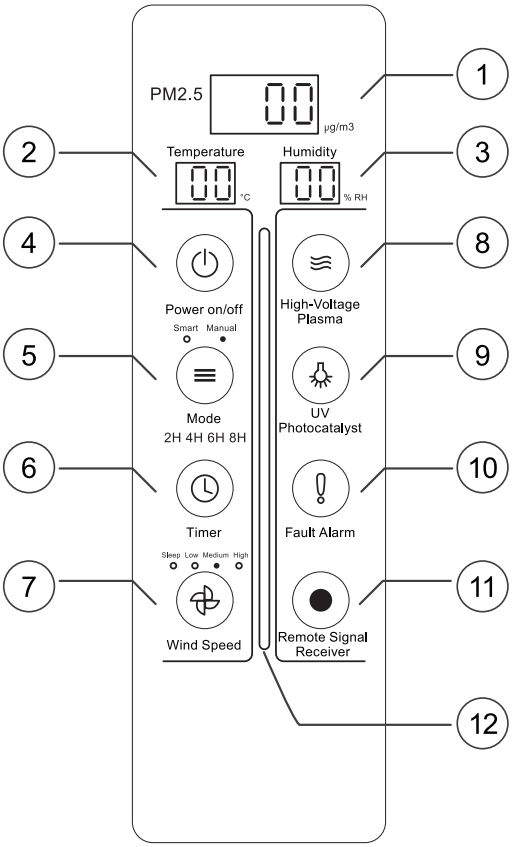
It can effectively kill bacteria, fungi, viruses, formaldehyde and other harmful microorganisms.
The 1-hour removal rate of influenza a 1 virus was 99.99%, and that of staphylococcus albicans was 99.91%



Layer 6 high voltage plasma technology deals with pollutants

Dielectric discharge bombards the pollutant molecules to ionize, dissociate and excite them so that the pollutant can be degraded and removed.

Controls



1.PM2.5 Display
2.Indoor Temperature Display
3.Indoor Humidity Display
4.Power
5.Mode
6.Timer
7.Wind Speed
8.High Voltage Plasma
9.UV Photocatalyst
10.Fault Alarm
11.Remote Signal Receiver

12.Liquid Crystal Display Air Quality Index

Excellent air quality Good air quality Poor air quality

Button Description

Power Button

Tap the "power" button on the main control panel, and the machine makes a beep sound. This will make the key indicator light up in green and then the machine enters into “working” mode. At the same time,PM2.5 index, temperature, humidity and air quality are lit and displayed on the main control panel.

Touch the “power" button of the operation panel to turn the machine off.The power indicator lights up in red and will enter into standby mode.

Mode Selection

Tap on the “Mode” key on the main control panel. If the “Smart” lights up,the machine is under Smart Mode, and if the “Manual” lights up, the machine is under Manual Mode.

When Smart Mode is selected, the Timer Switch and the Air Volume Switch on the operation panel will automatically be locked. The machine will automatically adjust the corresponding purification wind speed according to the current air quality.

When selecting the Manual Mode, wind speed can be configured by adjusting the corresponding function keys according to your desired requirements.

Wind Speed Adjustment

Under the Manual Mode, pressing the “wind speed” key will change the wind speed from “sleep” to “low,” “medium,” and “high.” When it reaches“high,” tapping the key again returns it to “sleep” level.

High Voltage Plasma

Under Smart or Manual Mode, tap on the “high voltage plasma“ key on the main control panel to turn it on or off.

Timer

If timer function is required, switch to manual mode and tap on the “timer”key to choose “2H,” “4H,” “6H” or “8H” as needed.

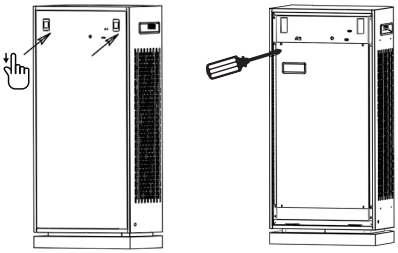
UV Photocatalyst Function

Selecting the Smart or Manual Mode, tap on the photocatalyst key on themain control panel to turn it on or off.

Cleaning process

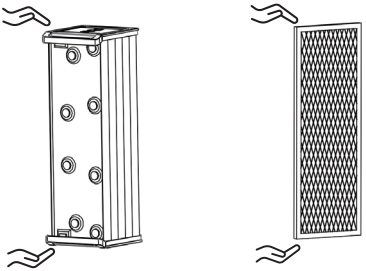
It is recommended to clean the filters every 3 months.

Step 1:
Open the two door locks of the A&E Touch Purifier by pressing down the locks. Afterwards, slowly pull out the
purifier door.



Step 2:
Remove the four screws located at the backplate and then take the backplate down.

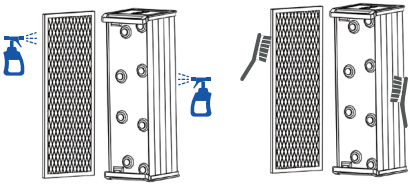
Step 3:
Slowly take out the Electrostatic Module housing
the Two Zone Ionic Field & Negative Ion Generator.



Step 4:
Slowly take out the Primary Filter .

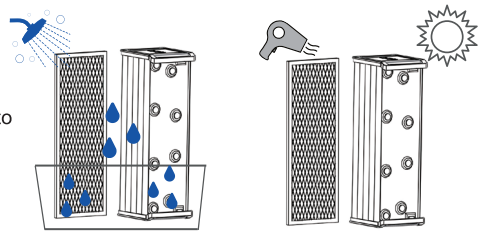
Step 5:
Spray both the module and filter with cleaning detergent. Note to use neutral detergent and not 100% as it is corrosive. Spray evenly and fully then leave for 15 minutes.

Step 6:
Slowly clean both the module and filter with a soft cleaning brush.



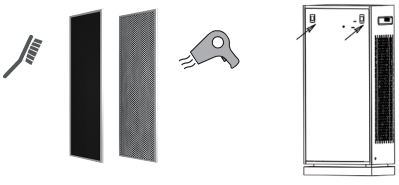
Step 7:
Wash the module and filter thoroughly with distilled or filtered water.

Step 8:
Dry the module and filter thoroughly with a dryer or natural sunlight. Afterwards, leave it for 12-15 hours to dry further.



Step 9:
For Ozone Decomposition Network Filter, and UV Photocatalytic Filter, do not wash with water. Slowly dry clean these filters with a soft cleaning brush and a blower.

Step 10:
Slowly place all the filters and module back into their corresponding place one by one.



Step 9 Step 10

Modules Maintenance

Filter	When to clean	When to replace
Electrostatic Module	Wash every 3 months.	5 - 8 years
Primary Filter		2 - 3 years
Ozone Decomposition Filter	Dry clean every 3 months. Can NOT be washed.	2 - 3 years
UV Photocatalytic Filter		

Intervals between filter replacement may vary depending on environment.

For optimal performance, only A&E Touch filters should be used with this unit.

The filters' life varies depending on the level of pollutants in the air. The more dust present in the environment, the more dust accumulates in the filters, shortening the life.

Common faults

Suggestions for troubleshooting and dealing with problems

The fault phenomenon	The cause of the problem	Troubleshooting method
The indicator light is not on	1.The power cord is not connected 2.The power outage 3.The fuse has blown out	1.Connect the power cord 2.When there is power, start the machine 3.Replace the required fuse
The remote control doesn't work	1.The battery is dead 2.The remote control can not be used	1.Replace the battery 2.The remote control is returned to the factory for repair or replacement
The machine has been used for some time Air volume small	1.The filter screen is blocked 2.The motor speed is reduced	1.Clean the filter 2.Contact the manufacturer or dealer to return to the factory for repair
The air outlet smells bad	1.There are many people in the room Smoking or barbecuing etc 2. filter pollution	1.Ventilate the room 2. clean the filter or replace it Filter.

Product transportation and storage

1.This product should be handled horizontally to prevent tilt and collision. It should be stored and stacked in 1 layer, and pay attention to moisture-proof and rain-proof.
2. In the state of storage,the equipment shall be stored under the following conditions:
(1) Ambient temperature: 5℃-- 40℃
(2) Relative humidity: ≤ 80%
(3) Atmospheric pressure: 86.0KPa -- 106.0KPa
3. Before opening the box, please check whether the outer packing is in good condition;
4. Be careful not to scratch the air sterilizer when opening the box;
5. After unpacking, check whether the configuration is complete according to the contents of the "packing list" in this manual.

Initial use:

1. Remove the air purifier from its box.
2. power connection
Insert the DC plug of the power adapter into the corresponding DC-jack on the side of the machine firmly, then put the AC plug at the other end of the power adapter into a power outlet firmly as well.
At this time, the machine makes a beep sound and goes into standby Mode. and the power switch key indicator lights in red.

Packing list

Name	Quantity
Air Sterilizer	1
Power cord	1
Manual	1
Remote Control	1

Safety instructions

Thank you for purchasing A&E Touch air purifier. This product is for indoor use only.

IMPORTANT PRECAUTIONS FOR USING YOUR AIR PURIFIER

WARNING : Follow the instructions in this manual to reduce the risk of electric shock, short circuit,and/or fire

Do not repair or modify the unit unless specifically recommended in this manual.

All other repairs should be completed by a qualified technician.

Do not use if the power cord or plug is damaged or the connection to the wall outlet is loose.

Do not damage, break, forcefully bend, pull,twist, bundle, coat, pinch, or place heavy objects on the power cord.

Periodically remove dust from the power plug. This will reduce the risk of shock due to humidity build up.

If the power plug is damaged, it must be replaced by the manufacturer or a qualified technician.

Remove the power plug from the outlet before cleaning the unit. When removing the power plug, grasp by holding the plug itself,never hold by the cord.

Remove the power plug from the outlet when not in use.

Do not handle the power plug with wet hands.

Do not operate the unit when using indoor smoke-generating insecticides.

Do not clean unit with benzene or paint thinner. Do not spray insecticides on the unit.

Do not use the unit where it is humid or where the unit may become wet, such as the bathroom.

Do not insert fingers or foreign objects into air intake or outlet.

Do not use the unit near flammable gases.

Do not use near cigarettes, incense, or other spark-creating items.

Unit will not remove carbon monoxide emitted from heating appliances or other sources.

Do not block the intake or outlet vents.

Do not use near hot objects, such as a stove.

Do not use where the unit may come into contact with steam.

Keep away from products that generate oily residue, such as a deep fryer.

Do not operate without a filter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