



# Air sterilizer AEP-1600K



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# AEP-1600K electrostatic air disinfection machine

## Product Description

AEP-1600K electrostatic air disinfection machine: its core components is the integration of double high voltage electrostatic module, at the same time equipped with UVC-LED disinfection core, activate carbon filter, photocatalytic filter, ozone decomposition filter, high-power EC centrifugal fan. All together, formed a complete air sterilization work system, to achieve the effect of air sterilization.

## Working principle

Under the action of EC centrifugal fan, the indoor air passes through the primary filter, double high voltage electrostatic module, disinfection core module, ozone decomposition filter, photocatalytic filter and activated filter. Under the action of high voltage electrostatic module and disinfection core, bacteria in the air are killed.

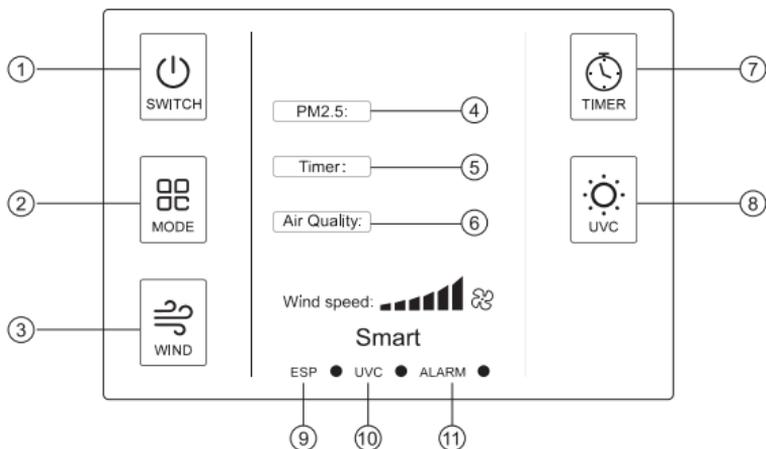
Categories of killing microorganisms: airborne bacteria, virus, TVOC, PM2.5, smoke, etc.

Main sterilization factor: high voltage strength of electrostatic module is 8000V and 4000V. The ultraviolet light intensity of LED is  $147 \mu\text{W} / \text{cm}^2$ .

## Technical Parameters

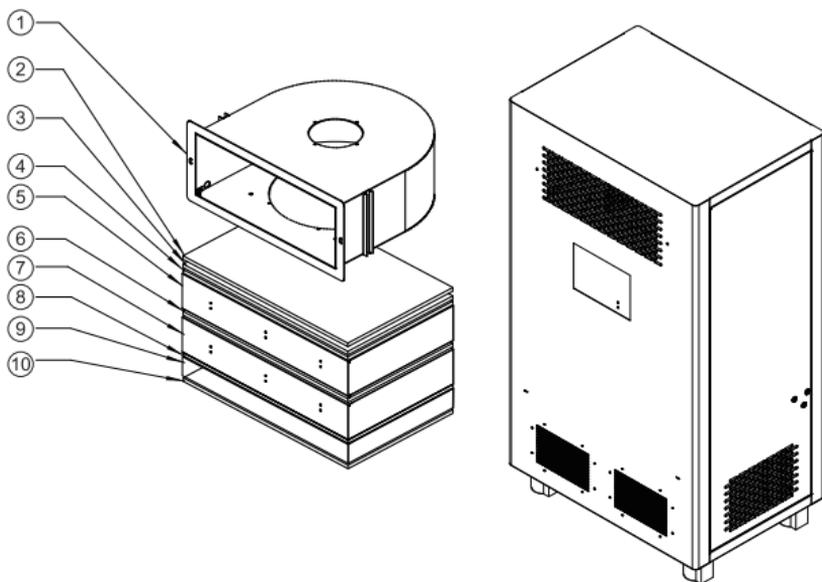
Model No.:	AEP-1600K
Voltage:	AC110V
Frequency:	60HZ
Power:	238W
Standby Power:	5.2W
Noise:	≤70db
Maximum circulating air volume:	1600m <sup>3</sup> /H
Suitable Space:	200m <sup>3</sup>
Death rate of Natural Bacteria in air:	≥90%
Killing rate of Staphylococcus Albus:	≥99.99%
Product Dimension:	650×450×1172mm
Net Weight:	71kg

# Operation Panel Instructions



- ① Power
- ② Mode button
- ③ Wind speed window
- ④ PM2.5 display
- ⑤ Timer display
- ⑥ Air quality level display content:  
Optimal,good,light pollution,moderate pollution, serious pollution
- ⑦ Timer
- ⑧ UVC button
- ⑨ ESP (Electrostatic mould) working display
- ⑩ UVC working display
- ⑪ Fault display

## Product Structural Diagram



- ① EC fan assembly
- ② Activated carbon filter
- ③ Ozone decomposition filter
- ④ Photocatalytic filter
- ⑤ UVC (LED) Module
- ⑥ Photocatalytic filter
- ⑦ UVC (LED) Module
- ⑧ Photocatalytic filter
- ⑨ Electrostatic ion box
- ⑩ Primary filter

# Equipment Operation Steps

## 1.Power Connection:

Plug the power AC plug into the 110V socket and insert firmly.

## 2.Booting operation:

Switch on the power in the lower right corner on the back of the machine.

Then the switch indicator lights up, the operation display lights up, the machine goes into standby state.

Tap the power button on the display screen to start the machine.

## 3.Mode selection:

Tap the mode button on the operation display screen, it will display smart or manual.

In smart mode, the timing and fan adjustment buttons will be automatically locked, and the machine will automatically adjust the corresponding wind speed according to the current air quality.

Select manual mode, according to personal requirements to operate the corresponding function keys, for manual adjustment.

## 4.Operation of UVC function:

In the smart/manual mode, click the UVC button on the display screen, the window ⑫ displays a faint green color ("on"). Click the UVC button again, the window ⑫ displays a white color ("off").

#### 5. Wind speed regulation:

In manual mode, click the "Wind" button on the operation screen once, the wind speed will change from weak to low, medium and high grade, and the corresponding display window ② will display weak, low, medium and high grade. When in high grade, click "wind speed" button again, will be converted from high grade to weak grade.

#### 6. Timer:

In manual mode, if you need to start the timer function, click the "Timer" button on the operation screen to set time. Each time you click the timer button is for 1 hour, and the timer period is 1-24 hours. The corresponding timer display window displays 1, 2, 3.....24 hours.

Timer display window displays "Timer" in manual mode, and "Room Temperature" in smart mode.

#### 7. Shutdown:

Click the power button on the operation display screen, the machine stops working and the display interface enters the standby state. Then switch off the power on the back of the machine, and the red indicator light of power button on the screen goes out.

#### 8. Disconnect power:

If you don't use the machine for a long time or temporarily, unplug the power plug and put away the power cord.

## Instructions

The main component of the machine - electrostatic disinfection module is designed to have a service life of 10 years.

The qualified wind speed for disinfection of this machine is "medium".

When disinfecting the indoor air in the applicable place, "manual mode" should be selected and the wind speed should be adjusted to "medium".

The disinfection effect can be achieved after continuous use for 1-2 hours.

## Applicable Places

This product is suitable for hospital, school, pharmaceutical factory, food factory, office building, subway station, airport, railway station, entertainment places, catering industry, residential and other indoor air disinfection. Disinfection space and disinfection effect: continuous use of 1-2 hours can achieve disinfection effect.

## Requirements for installation location

1. Please place the unit at least 2 meters away from equipment with radio waves (such as TV, radio or clock) to prevent radio interference.
2. Do not place the machine near curtains and other objects where they may come into contact with the air inlet or the air outlet, otherwise the parts may be polluted or cause the machine failure.
3. Do not install in a place where the machine may be directly exposed to the condensation environment due to temperature dramatic change.
4. The placement must be stable to avoid vibration when the machine is running.
5. Do not install in the place that will produce lampblack (such as kitchen).
6. Do not put close to other items, so that there is a certain space around the air disinfection machine, to ensure its good purification efficiency.

## Cleaning and maintenance methods

 Disconnect the power supply before cleaning and maintaining the machine.

1. Clean the machine housing

① Use a soft cloth to wipe the stain.

② Use soft cloth with right amount of neutral cleaner to wipe stubborn stains.

Note: do not scratch the machine shell during maintenance;

Before disassembly, please operate according to the instructions, do not damage the machine parts.

2. Cleaning and replacement of purification and disinfection parts

(1) Under normal circumstances, the electrostatic disinfection module should be cleaned once every 6 months with special tools. If the ambient air quality is poor, the cleaning frequency should be increased.

(2) When the activated carbon disinfection module is used for 6 months, it should be cleaned once with the dust collector and replaced once a year.

(3) The primary filter can be directly washed with water, after drying can be used.

Note: The cleaning and replacement cycle of the filter will vary depending on the use environment.

## Cleaning and maintenance of primary filter and electrostatic filter:

1. Loosen the two door locks on the machine and pull them up to open the machine door.
2. Unscrew the two screws above the cover plate and remove the cover plate.
3. Clean the electrostatic disinfection module once every 3 to 6 months, and take out the electrostatic disinfection module (labeled②).
4. Take out the primary filter (labeled①).
5. Spray the whole electrostatic module and each part inside and outside the primary filter with detergent, and wait for 5-10 minutes.
6. Insert the electrostatic module grid, brush once or twice with a cleaning brush (including the primary filter).
7. Wash with water.
8. Thoroughly dry or air dry water.

## Modules Maintenance

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

- Intervals between filter replacement may vary depending on environment.
- For optimal performance, only Luftonic 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.

## Matters needing attention

- All contents of this manual are related to security, please be sure to comply with the user.
  - The precautions in this manual are only for the correct use of this product.
  - The precautions explain the danger, the extent of the hazard and the possible accident.
1. Do not use other parts that are not approved by the manufacturer. If this causes machine failure, the warranty will be automatically terminated.
  2. Please check whether the products are damaged and check whether the accessories are complete after removing the packaging.
  3. Children and incapacitants should use this product under the supervision of their guardians.
  - 4, in case of failure, should immediately pull out the power plug, do not put the defective products in the working state.
  - 5.The manual can only be repaired in the authorized repair center. Otherwise,it may cause unnecessary danger.
  6. If the power cord is damaged,it must be replaced by the manufacturer, its warranty or similar departments of professional personnel.

## 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.





