



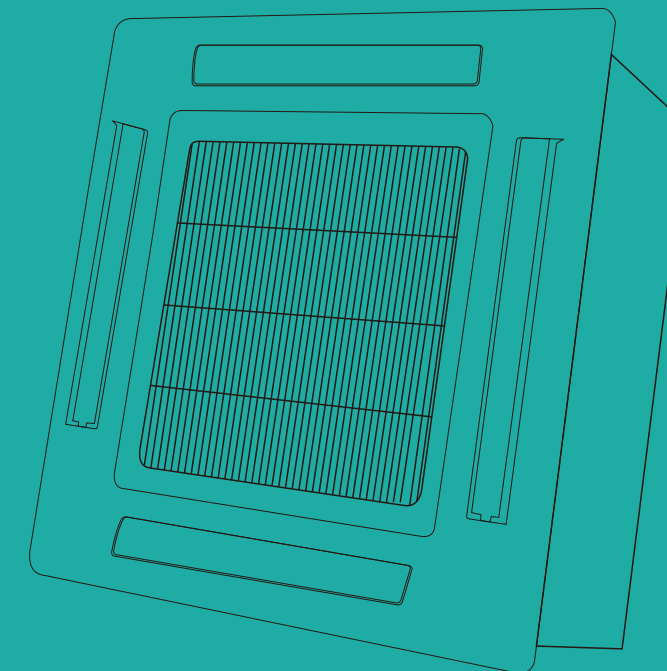
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Ceilling Type Air Purifier (ESP)



Product Manual Model:HB-D-X150



About us

We are specialized in independent research and development, as well as professional production and sales of sterilizer equipment and sterilized products. The main products include: Dynamic and static ultraviolet disinfectant, plasma sterilizer, ozone sterilization cabinet, ozone generator, bed unit disinfectant, clean workstation , medical purification screen,biological safety cabinet and other series disinfection products and air purification equipment.

The company always "takes the quality as basis and science and technology as the locomotive' to ensure the credibility of the market. It has been focusing on permanent after-sales services, integrity and innovation, adhering to the enterprise culture of "technology first and innovation important", as well as building a scientific and technologic brand enterprise. We will spare effort provide wholehearted services for customers with trust and cooperation.



CONTENTS

- ✦ About us _____ 2
- Q Contents _____ 3
- ⚠ Safety Precaution _____ 4
- 🔌 Overview of Electrostatic Precipitator Air Purifier _____ 5
- 🔧 Main Function _____ 6
- ⚙ How the Air Purifier Clean Room System Works _____ 7
- 📺 Using the Control Panel _____ 8
- 📶 Using the Remote Control _____ 9
- 📍 Choosing a Suitable Location _____ 10-11
- 🔌 Connecting to Power _____ 12
- ✂ Fault Inspection and Analysis _____ 13
- 🔌 Simple Circuit Diagram of Cabinet Air Purifier _____ 14
- 📄 Warranty Card _____ 15



WARNING
Important safety instructions
READ AND SAVE THESE INSTRUCTIONS

Thank you for choosing our products , Cozy prompts you:

- In order to make better use that machine, please read this booklet carefully and follow the operating instructions!
- Make sure to connect the power cord in the socket with ground wire in case of leakage!
- Inside the machine there is a high pressure! Non-professionals do not open the machine to prevent electric shock!
- Ozone harmful, disinfection must be sterilized for use in unmanned locations.
- Always turn off and unplug the ozone generator when not in use.
- Disconnect the power supply from your ozone generator by unplugging the power cable after cleaning.
- Do not use attachments not recommended by HANSTAT.
- Do not attempt to plug in the machine when your hands are wet.
- Do not soak the ozone generator in water or splash water on it.
- Do not operate the ozone generator near an open flame.
- Do not obstruct the air inlet and air outlet of the ozone generator.
- To reduce the risk of electric shock, do not expose to water or rain.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- Save these instructions for future reference.



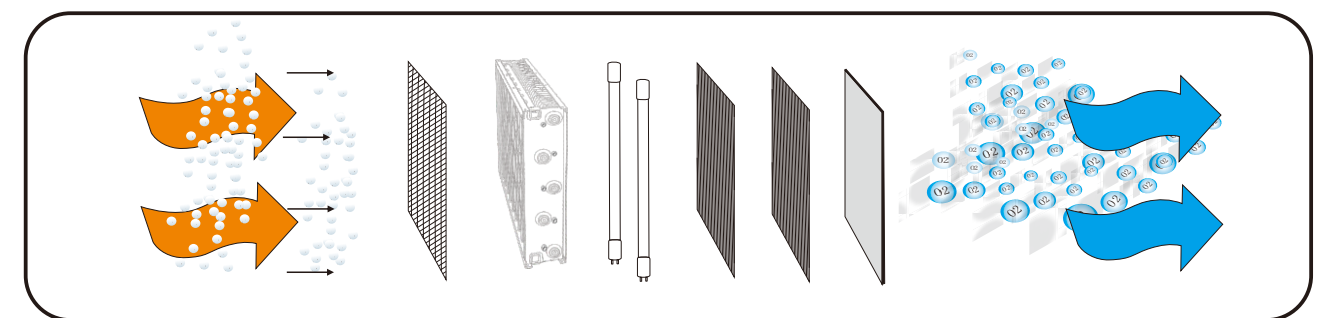
Overview of Electrostatic Precipitator Air Purifier

Working Principle

The air is pumped into the machine by the fan. Indoor polluted air is blown out of the outlet through primary filter, high pressure electric field dust removal, titanium dioxide, ultraviolet light catalyst, activated carbon filter, HEPA filter and other devices. Finally, clean air comes out of the vent. Such repeated cycle work plays a role in filtering dust, removing odors, toxic gases and killing bacteria to achieve purification and disinfection.

Electrostatic Precipitator Technique:

The core component of Electrostatic Precipitator air purifier is electrostatic adsorption device (also known as high voltage electrostatic field). Electrostatic Precipitator device is composed of discharge wire and negative plate. Under the action of the high voltage generator, the Electrostatic Precipitator device can generate 4KV-8KV dc high voltage and form a strong electrostatic field inside the Electrostatic Precipitator device. When indoor polluted air passes through the Electrostatic Precipitator purifier, particles in the air (including microorganisms) are sucked into the machine through the purifier and forced to carry a positive charge and then adsorbed to the negative plate.





Main Function

It mainly can absorb and filter dust, remove odor, kill toxic gas and bacteria to achieve the role of air purification and disinfection.

❶ Primary filter :

It can remove large particles of dust.

❷ Electrostatic precipitator :

It can capture 95% of the particles of 0.5 microns or more that pass through the air. It can also kill 90% of fungi, 70% of bacteria, and 60% of dust mites.

❸ Titanium dioxide ultraviolet photocatalyst:

Photocatalyst is a general term of photoconductor materials with photocatalytic function represented by nanometer titanium dioxide. It is applied on the surface of aluminum honeycomb substrate, and produces strong catalytic degradation function under the action of ultraviolet light. It can effectively degrade toxic and harmful gases in the air, kill a variety of bacteria with energy efficiency, and decompose toxins released by bacteria or fungi and harmless treatment;

❹ Ultraviolet disinfection lamp:

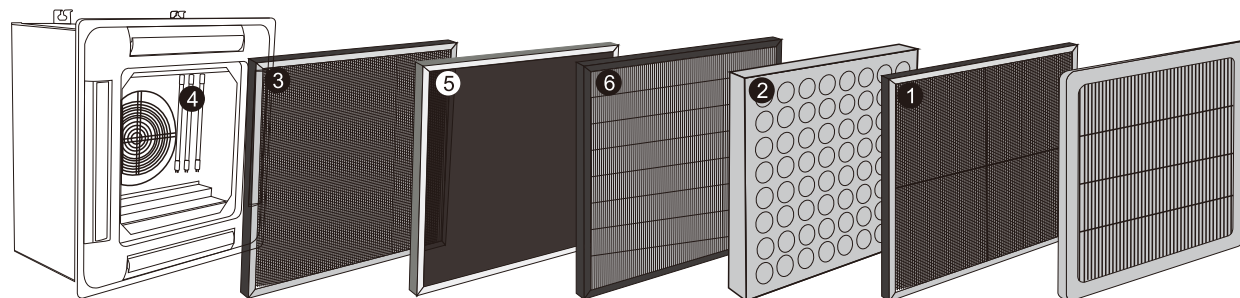
highly efficient sterilization in the ultraviolet uv-c band makes bacterial and viral DNA and RNA denatured and cells unable to reproduce.

❺ Activated carbon filter:

it also has excellent adsorption function. It can remove formaldehyde, toluene, deodorization and other functions.

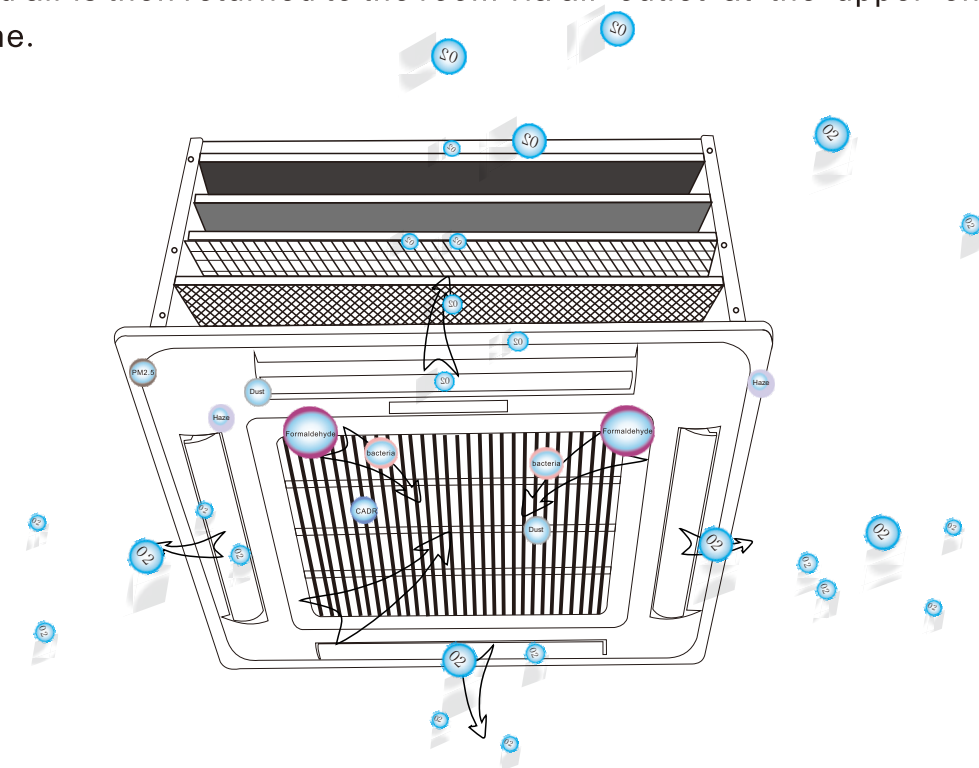
❻ HEPA filter :

HEPA filter can decompose toxic gas and sterilize, also filter and block dust, especially inhibit secondary pollution to purify air.



How the Air Purifier Clean Room System Works

1. Room air is drawn into the system via air inlet at the lower end of the machine.
2. The process begins when air moves through the primary filter, which captures the large particles.
3. Next, the air moves through the ESP filter, which captures particles of 0.5 microns, fungi, bacteria and dust mites.
4. If your unit includes the titanium dioxide ultraviolet photocatalyst and UV lamps, the air then moves through them, where additional particles are removed, and bacterial and viral organisms are destroyed.
5. The air continues to work through activated carbon filters to remove toxic gases and odors from the air.
6. Finally, the air moves through the HEPA filter, which captures tobacco smoke, dust mites, pollen, dander, smog, mold and other airborne pollutants of a particle size greater than 0.3 microns.
7. Purified air is then returned to the room via air outlet at the upper end of the machine.

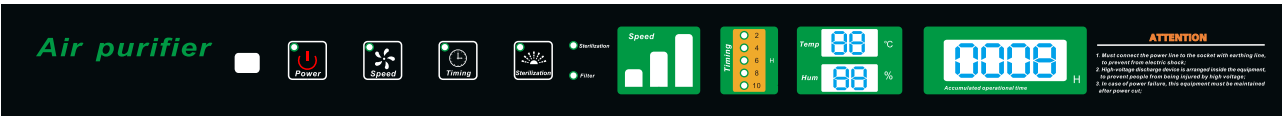









Using the Control Panel



The system is equipped with a state-of-the-art control panel. This advanced control panel allows you to assess the unit status with one quick glance.



TOUCH KEY DISPIAY AND DESCRIPTION

- This machine is connected to 110V~240V power (three-phase socket, ground wire). Press  button, the display screen lights up.
- Press the  button on the control panel, at the moment, the device is under normal operation, and the sterilizing unit device and the negative ion generator have already started working, at this point;
- Press the  button, the device stops sterilizing and is in standby mode.
- You can control the swing direction via  on the control panel and adjust the air volume via  button. This is a circulating button with three adjustable speed, which are respectively displayed as Low Speed, Medium Speed, High Speed, if you press this button in turn, it will display recurrently. Of course, with different speed, the noise and purification effect produced by this device vary as well.



Using the Remote Control

Use the Remote Control to:

Speed

Wind speed adjusting key, It can be divided into three grades: high/middle/low.

Wind

Blade swaying, currently in standby.

Restore

Cancellation of cumulative working hours.

Sleep

Press this button to pause all work on the machine.

Auto

Automatic mode

Manual

Manual mode

Ionic

Turn this feature on or off

Power

Machine on or off

Timer

Can work regularly for 1-12 hours

ON/OFF

Machine on or off

Sterilize

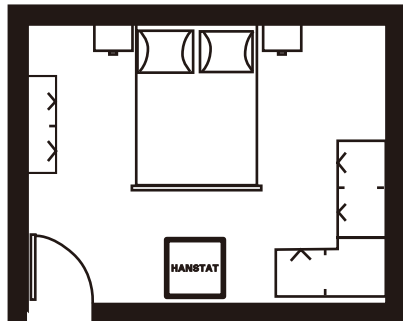
Sterilization mode open/close





Choosing a Suitable Location

Now that you have unpacked your Ozone generator system, where are you going to use it?



Bedroom:

Does someone in your family have allergies and asthma? People with allergies and asthma sometimes have a hard sleeping as many of their symptoms worsen during the night. Moving your ozone generator into your bedroom.

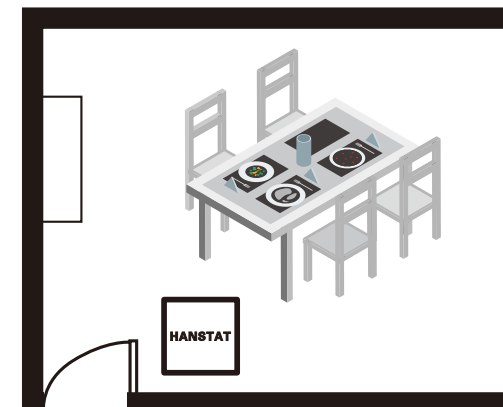
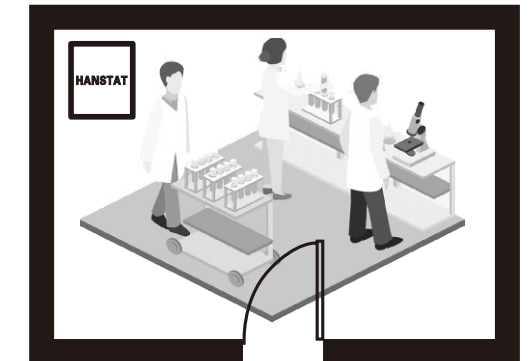
Hospital:

The ozone generator used by the hospital has a very high safety when it is used, and the ozone generator itself has a self-protection function in the use process. And ozone disinfection will not have the problem of sterilization dead corner, which is the disinfection and safety guarantee that we can get in the process of using medical ozone generator. It can be used in operating room and ward.



Laboratory:

It removes a lot of pollutants from the lab, such as chemicals, odors, toxins in the air, suspended solids, particulate matter, and biological contaminants.



Restaurant:

1. Generally less than 50 square meters of restaurants, it is recommended to use 3 grams or 5 grams of ozone generator.
2. Portable ozone generator can disinfect tableware, stove and cutting board.
3. Ozone can also remove fat and odors

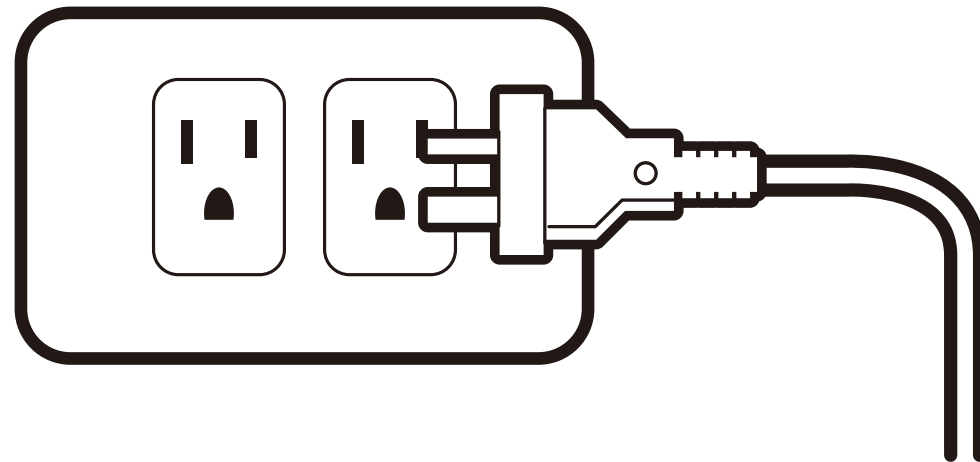


Electrostatic Precipitator Air Purifier, mainly used in hospitals, laboratories, food, pharmaceutical, home, school and other public areas.

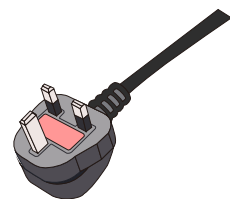


Connecting to Power

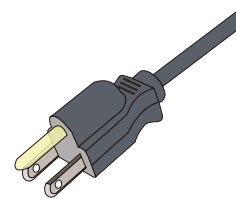
After selecting the location for you air purifier and the space around where it will stay, connect the power cord to the unit and the other end into the socket.



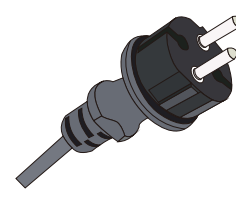
Plug type may vary, we also have other types of plugs



Britain plug



American Plug



German plug



Australia Plug

★ We can customize the plug and voltage according to customer's requirements



Fault Inspection and Analysis

The machine doesn't work

- The power plug is off
- The power is not on
- The fuse wire is broken
- The motor overload protection

The blower doesn't work

- The capacitor burns out
- The electric relay is broken
- The blower motor is damaged

The sterilizing unit doesn't work

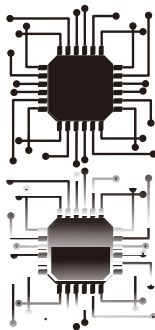
- The sterilizing unit is damaged
- The sterilizing unit terminals are of poor connection

The air volume decreases

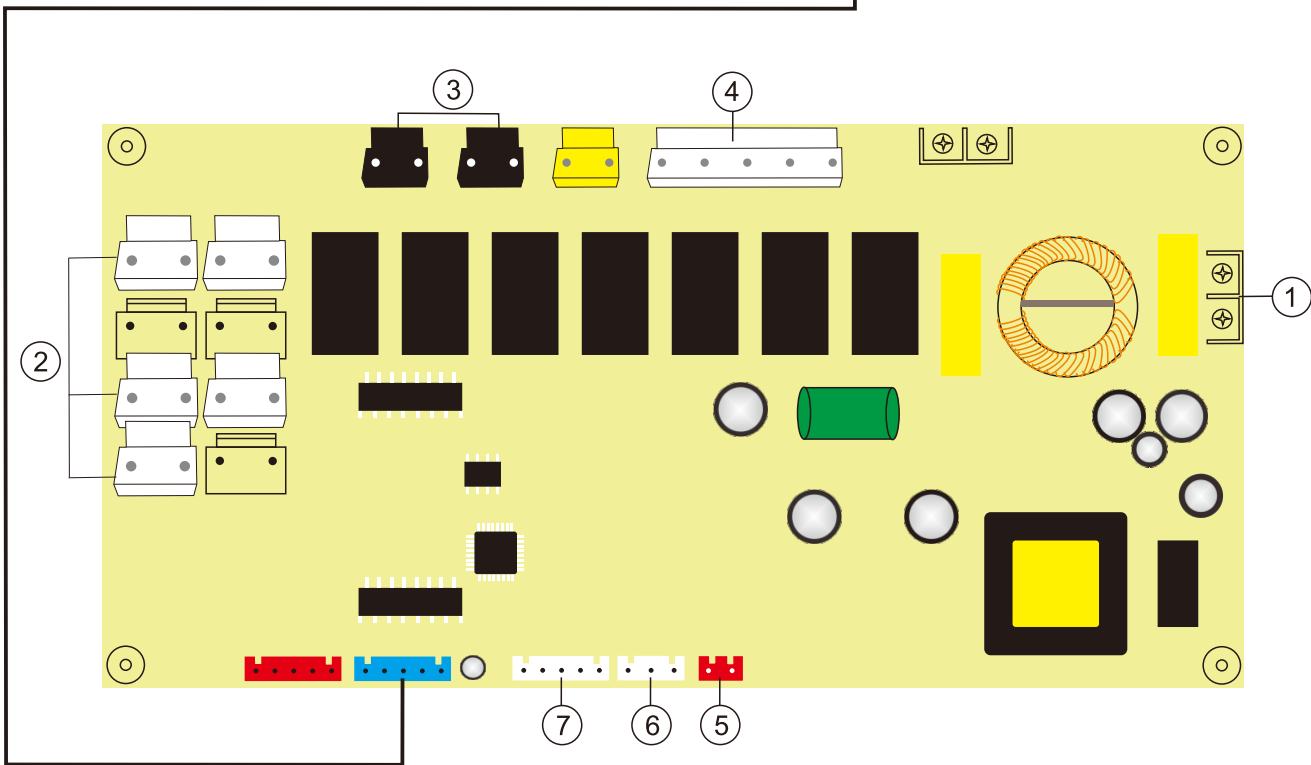
- The power voltage is too low
- The filter is of too much accumulated dust

Note:

Above-mentioned electrical faults shall be examined and repaired by qualified electrical repair personnel or you shall contact our company, and please do not disassemble the machine on your own, so as to avoid electric shock accidents or expansion of fault coverage.



Simple Circuit Diagram of Ceiling Air Purifier



- ①Power inlet ②Load output ③Anion ④Fan ⑤Feedback signal
⑥Connector wire ⑦Temperature and humidity sensor



Warranty Card

Company Name			
Address			
Date of Purchase		Invoice No	
Product Name		Model Number	
Date of Production		Serial Number	
Tel		Fax	
The Fault Situation			
Date of Application		Applicant	

Attention:

- The warranty is 1 year.
- The product will be repaired free of charge during the warranty period.
- Normally air filter accessories are consumables.
- If there is any problem during using, please contact us in time.

Please read the instructions carefully and observe by the operating guidance and maintenance methods so as to avoid injury or property damage. Please pay more attention to the above points.