

Air Purification Sterilizer

YKJX-Y500

Bacterial and viruses inactivation rate > 99.9% to reduce the infection rate of the vaccination staff; can reach class 100000 cleanliness after continuously operating for 1 hour, and release healthy negative ions, providing clean air for users to experience forest air quality.

Triple Disinfection:

Plasma disinfection, ultraviolet + titanium dioxide photocatalyst disinfection, and nano-silver ion filtration layer disinfection together ensures bacterial and viruses killing rate of > 99.9%.

Two Kinds of Filters:

Professional efficient filtration module plus honeycomb type activated carbon adsorbing mesh can realize a PM2.5 removal rate of > 99.9% and a methanol removal rate of > 95% after operating for 1 hour.

Fresh Air:

Negative-ion generator can release healthy negative ions so that users can enjoy clean air like immersing oneself in a forest.



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Main Applications School community hospitals, etc.

Triple Ultra-Strong Air Purification



Plasma Purification

When ionized by high positive and negative voltage, the air can produce a large number of positive and negative ions which will then neutralize with each other, releasing a burst of energy and killing the surrounding bacteria and viruses in an instant.



Ultraviolet + Titanium Dioxide Photocatalyst Purification

The titanium dioxide photocatalyst will have photo-catalytic reaction under the bactericidal ultraviolet light emitted by the 254nm-wavelength dual UV lamps, producing highly oxidizing free hydroxyl groups and active oxygen to have the bacteria, germs, viruses and mold oxidized and decomposed.



Nano-Silver ion Filtration Layer Purification

Nano-silver ions have broad-spectrum strong bactericidal and antibacterial properties as well as strong permeability and can kill the bacteria and viruses on the filter surface in a few minutes.



Two kinds of filters can reach class 100000 cleanliness after operating for 1 hour

Professional efficient filtration module: Composed of front filter, pre-filter and high-efficiency HEPA filter screen; can realize a PM2.5 removal rate of > 99.9% after operating for 1 hour.


Honeycomb type activated carbon adsorbing mesh: Adopts coconut shell-based activated carbon, which has an adsorption area 65 times larger than that of an ordinary one, to absorb odors, and a professional cold catalyst to catalyze and decompose formaldehyde; can achieve a formaldehyde removal rate of >95% after operating for 1 hour.

Fresh Air

Negative-ion generator can release negative ions with concentration of over 3 million pcs/cm³ so that the user can enjoy clean air like immersing oneself in a forest.



Friendly Design

- 
Automatic monitoring of air quality:
Professional air quality monitoring module to display the air quality with light
- 
Freely optional intelligent air speed control and manual control:
Unique intelligent air speed function; can make adjustment automatically according to the air quality in position 1-5; also enables manual mode for position selection
- 
Filter/UV light replacement reminder:
Giving sound and light warning to remind the operators when service life of the filter module and UV light becomes no more than 10%; after replacement, the service life can be reset.
- 
Automatic quiet mode switching function:
Professional photosensitive probe; can automatically switch to quiet mode when the light becomes dark, caring for the users' sleep quality
- 
Timed shutdown function:
Timed shutdown can be set to guarantee using security and extend the service life
- 
Fault warning function:
Gives sound and light alarm when the fan or the UV lamp is in fault

Model	Voltage (V)	Power (W)	External Dimensions (W * D * H mm)	Net weight (Kg)	Noise level dB (A)	Applicable volume (m ³)	Negative ion concentration	Clean class	Ultraviolet lamp life (h)
YKJX-Y500	220/50	100	439*229*735	13	≤55	≤60	3*10 ⁷	100000	6000

Disinfection effects: When operating for 90min, the killing rate of staphylococcus alba is > 99.9%. After operating for 120min, the average extinction rate of natural bacteria and viruses is > 95.4%



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

