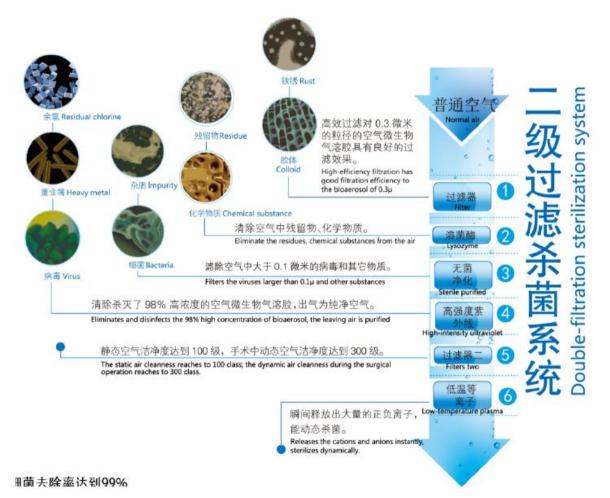
# **ROOM PURIFYING DISINFECTOR – HORIZONTAL LAMINAR AIRFLOW**

This unique energy-efficient purifying Disinfector has an integrated 6-step sterilization process combining 3 purification methods of disinfecting the air and fomites (*\*any object or substance capable of carrying infectious organisms*) in the room which will eliminate 99.9% of microorganisms and residues and chemical substances, without any harmful effects to the human body:

- (1) Double H14 HEPA filtration sterilizing system (with Lysozyme impregnated filtering material to remove residues and chemical substances) eliminates microorganisms and substances larger than 0.1μ – permanently electrostatic and can be cleaned repeatedly with service life of more than 2 years, thus greatly reducing the maintenance costs as monthly HEPA filter replacement is NOT required;
- (2) High intensity UV-C Ultraviolet lamps (36W) are moisture proof, anti-shock, vandal resistant with long service life – can eliminate bacterial strains of 0.01μ and bactericidal capability of more than 99.9%;
- (3) Airstream inundated with Extremely High Ions concentration (cations and anions) reaching 40 billion ions per second (4x10<sup>10</sup>/s) produced by advanced low temperature plasma generator eliminate **99.9% of microorganisms** from the air and fomites;



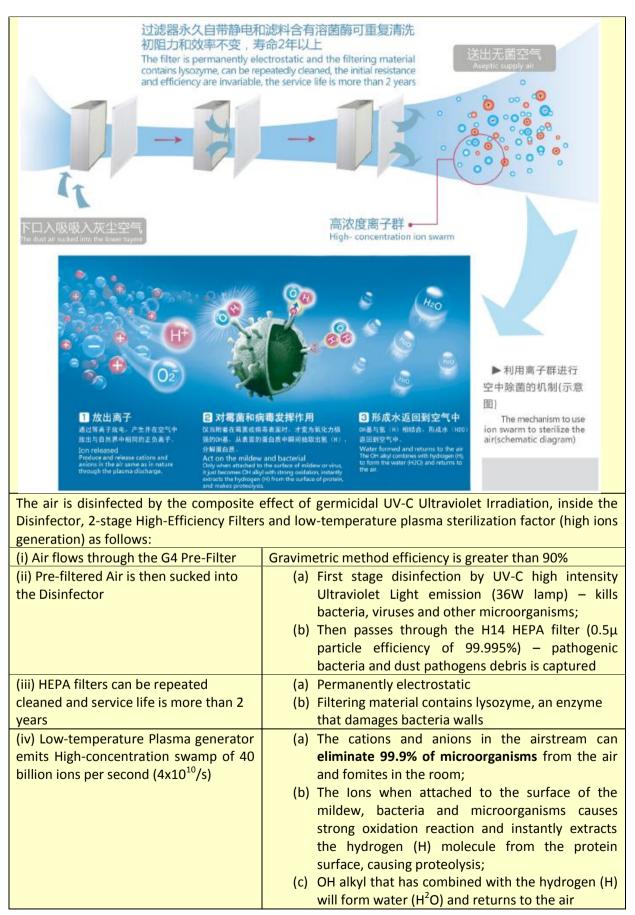
\* Formites are any object or substance capable of carrying infectious organisms, such as germs or parasites, and hence transferring them from one individual to another. Skin cells, hair, clothing, and bedding are common hospital sources of contamination.

\*\* Lysozymes, also known as muramidase or N-acetylmuramide glycanhydrolase, are glycoside hydrolases. These are enzymes that damage bacterial cell walls by catalyzing hydrolysis of 1,4-beta-linkages between...

# **KEY FEATURES**

Sterilizing Horizontal Laminar Airflow at 0.3-0.6 m/s	Bacteria elimination efficacy reaches 99%
0.3-0.6m/s风速 0.3-0.6m/s air velocity	HW95初中效和超低 用力H14素效过量       高子使缩面素 自发生变化       agit 无法生存 Bcg生变化         Ministance H14 Migh efficiency filtration       面子使缩面素 自发生变化       agit 无法生存 Bcdera cannot survive
喷出后沉降菌每米存活率 Survival rate of emitted sedimentated bacteria per meter (1) why the provided and the per meter (1) why the per	CLASS 100 AIR CLEANLINESS within 1 meter distance For a room size of 20-50 m <sup>2</sup> , the static air cleanliness within 1 metre distance from the Disinfector reaches to Class 100 and the dynamic air cleanliness during a surgical operation reaches to Class 300.
LOW-TEMPERATURE ION GENERATOR	HIGH IONS GENERATIVE RATE The latest generation of American Ion generators is capable of high ions generative rate without Ozone formation. The plasma generated stream of extremely high concentration ions (cations and anions) reaches 40 billion ions per second (4x10 <sup>10</sup> /s) and can eliminate 99.9% of microorganisms from the air and fomites in the room without causing any harm to the human body.
ENERGY-EFFICIENT 36W ULTRAVIOLET LAMPS FOR UV-C GERMICIDAL IRRADIATION	UV-C is effective in destroying the nucleic acids in microorganisms as their DNA is disrupted by the UV radiation, leaving them unable to perform vital cellular functions.
2-STAGE G4 PRE-FILTER AND H14 HEPA FILTER	Contains Lysozyme. Permanently electrostatic, can be repeated cleaned with service life of more than 2 years – Low maintenance costs
	Real-time monitoring of working area with visualized electronic screen
	<ul> <li>(a) Single integrated display</li> <li>(b) Electrical height adjusting device</li> <li>(c) Mobile with 4 all-around wheels</li> <li>(d) High efficiency and low noise 49-54 dB</li> <li>(e) Plug and play, simple to operate</li> <li>(f) Safe and reliable</li> <li>(g) Eliminate smoke and smell</li> </ul>

# HOW DOES THE HORIZONTAL LAMINAR FLOW PURIFYING DISINFECTOR WORK



# SOLUTIONS AND APPLICATIONS

The Disinfector is applicable for the following functions:

- (1) Air filtration
- (2) Sterilization
- (3) Odor removal
- (4) Elimination of harmful gases
- (5) Surface disinfection especially for fomites
- (6) Purification as a whole

### Suitable application areas include the following:

第二日前前             Application occasions <u>Application occasions</u>	<ol> <li>(1) Various types of surgical theatres</li> <li>(2) Intensive care units</li> <li>(3) Mobile operation vehicles</li> <li>(4) Veterinary surgeries</li> <li>(5) Emergency areas</li> <li>(6) Hospital/Clinics reception</li> <li>(7) Hospital rooms</li> </ol>
CHILD CARE APPLICATIONS	<ul> <li>(a) Nurseries</li> <li>(b) Kindergartens</li> <li>(c) Child care centres</li> <li>(d) Indoor children play area</li> </ul>
INDUSTRY APPLICATIONS	<ul> <li>(i) Canteens</li> <li>(ii) Food preparation/processing areas</li> <li>(iii) Banking Halls</li> <li>(iv) General reception areas</li> <li>(v) Conference/Meeting Rooms</li> </ul>
HOSPITALITY APPLICATIONS	<ul> <li>(A) Restaurants</li> <li>(B) Hotel Receptions</li> <li>(C) Hotel Rooms</li> <li>(D) Churches</li> <li>(E) Concert/Performance Halls</li> <li>(F) Cinemas</li> </ul>
TRANSPORTATION HUBS	<ul> <li>(1) Airport terminals</li> <li>(2) Train Terminals</li> <li>(3) Bus Terminals</li> <li>(4) Ferry terminals</li> </ul>

# PERFORMANCE TEST REPORTS AND CERTIFICATES

The Disinfector has been certified and passed a wide variety of tests including the following:

- (1) Microorganism bacterial eradication rate tests Food safety and Health Bureau of Chinese Center for Disease Control and Prevention;
- (2) Mildew eradication rate Test Centre of National Building Materials
- (3) Formaldehyde, benzene and Total Volatile Organic Compound (TVOC) tests Test Centre of National Building Materials
- (4) Smoke elimination rate test
- (5) Dust removing efficiency test
- (6) Ozone concentration test and other authorised certificates





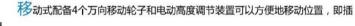


#### HIGH-QUALITY DESIGN FOR OPERATING THEATRE USAGE

# 传统手术室消毒PK韩威空气争化消毒机

Conventional surgical operation disinfector VS Hanwei air purifying disinfector





#### 即用。

层流屏背面配备彩色电子屏显示装置,方便医护人员准确定位无菌保护目标。 对于流动医院和防治传染病临时爆发,隔离医护人员免受污染,这种移动式净化

# One integrated display 消毒机具有不可替代的技术优势。

The movable type equipped with 4 all-around wheels and electric height adjusting device to make the position shifted easily, plug and play. The color display device is equipped at the back of laminar flow screen; makes the medical stuff can

The color display device is equipped at the back of laminar flow screen; makes the medical stuff can accurately align the target position of sterility protection target. Such movable purifying disinfector has the irreplaceable technical superiorities to the mobile clinics

Such movable purifying disinfector has the irreplaceable technical superiorities to the mobile clinics and outbreaks of infectious diseases control, isolates the medical stuff from being polluted.

电动高度调节装置 Electric height adjusting device

个集成的显示

XDSC-Y型移动式

44.10

4个万向移动轮子 4 all-around wheels





# SPECIFICATIONS PARAMETER OF HORIZONTAL LAMINAR FLOW PURIFYING DISINFECTOR

PARTICULARS	SPECIFICATIONS
POWER SUPPLY	220V, 50 Hz
Power Consumption (including fans)	180W
Standby Mode	23W
Fuse; Inert Fuse	220V: 3.5A ; 5 x 20mm
Internal Power Supply	24V rectifier, 65W
DIMENSIONS:	
Height(adjustable)	1500mm – 1800mm (5Ft – 6 Ft) adjustable
Depth x Width	700mm x 600mm
Weight	58 kgs
OPERATING ENVIRONMENT	Achieve aseptic hygiene for air quality control
Room Size	Suitable for 30 – 50 sq metres room
Ambient Temperature	-10°C to 40°C
Relative Humidity of Air	10 – 100%, no condensation
STORAGE AND TRANSPORT CONDITIONS	
Ambient Temperature	-10°C to 40°C
Relative Humidity of Air	10 – 100%, no condensation
DUAL SUSPENDED SUBSTANCE FILTERS	
G4 Pre-Filter (Resistance 50P <sub>a</sub> )	Permanently electrostatic, can be repeatedly cleaned, the resistance and efficiency is invariable, contains <b>bacteriolytic fiber</b> with lysozyme
H14 HEPA filter (Resistance 100P <sub>a</sub> )	Anti water mist, primary standard UL900 flammability rating
OPERATING PARAMETERS	
Supply Air Volume	400 m <sup>3</sup> /h
Noise Level	< 52 Db (A)
Ozone concentration	< 0.02 mg/m <sup>3</sup> , negligible
Air velocity	≥ 0.6 m/s
LOW TEMPERATURE PLASMA GENERATOR	
lons generation rate	40 billion ions/second (4x10 <sup>10</sup> /s) - cations and anions
HIGH INTENSITY ULTRAVIOLET LAMP	
36W UVGI Lamp (Choice of Xenon or Mercury)	Emits UV-C ultraviolet germicidal irradiation (UVGI), moisture proof, anti-shock, vandal resistant with long service life