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V1 Mold Technology Co., Ltd.

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Av. Heroe de Nacozari Nte. Number 2901 Fracc.

Las Hadas, C.P. 20140. Aguas calientes, AGS. Mexico

V1 Industrial Europe, SRO (Europe)
Atriova 91700, 16, Trnava, Trnavsky 917 01, SK

Professional Public Environment Air Purification Solution Provider



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### V1 ENVIRONMENTAL TECHNOLOGY CO., LTD.





"Professional and high quality service" is the objective and our target is to provide the perfect products and the considerate service for the customer.



V1 Environmental Technology Co., Ltd. was set up together by V1 Industrial HK Limited and Da An Gene Co., Ltd. of Sun Yat-Sen University, which is a scientific and high technological stock company, specifying in research, development, production, sales and also the after-sale service for the Medical Air Sterilizer, Central Air Conditioning Air Cleaner Industrial Air Purifier Device and Air Filter for commercial, hospital and industrial.

V1 have several senior experts and technicians who have over 10 years experienced. The product has passed the statutory authority. The natural bacterial in air is eliminated 91.5% and the sterilization efficiency is over 90%. The product with the core technology of 3 in 1 Semiconductor sterilization purification, and won the national practical new patents and an application for a patent for invention, is audited and awarded by the Health and Family Planning Commission of Guangdong Province.

Since 2011, the establishment of V1 Environmental Technology Co,. LTD., we keep sticking to the indigenous innovation and closely obey the concept and the quality policy "leading in technology, high quality and efficiency, customer orientation, abide by contract" to increase the core competitiveness.

"Professional and high quality service" is the objective and our target is to provide the perfect products and the considerate service for the customer.

#### Strategic Positioning

In the coming 3-5 years, V1 will focus on the self development, manufacturing and sales on the Medical Air Sterilization, Central Air Conditioning Sterilization Purification Device and Air filter, consolidate and strengthen the previous marketing position at home, expand the other domestic market and export market, thus establishing and consolidating the market position.

### DEVELOPMENT HISTORY











2019 In Mexico, built new factory-V1 Moldes, S.A. de C.V.

2018 In Slovakia, We established V1 Industrial Europe S.R.O

2018 The establishment of wholly-owned subsidiaries Hubei Wuhan V1 Industrial Co., Ltd.

2016 The establishment of wholly-owned subsidiaries Dongguan Long Yue Culture Communication Co., Ltd.

To become a member of the medical and biological engineering research center of the Ministry of health. And obtained the title of medical environmental air disinfection research base and obtained the title of medical environmental air disinfection research base

2014 Established Dongguan Zhong Shen Industrial Co., Ltd. Further improve the production supply chain within the group.

Established V1 Environmental Technology Co., Ltd.

We have developed a new generation of air disinfection and purification products with independent intellectual property rights, innovation and practicability.

2012 Successfully mergers and acquisitions Dongguan Jiayi Testing Equipment Co., Ltd.

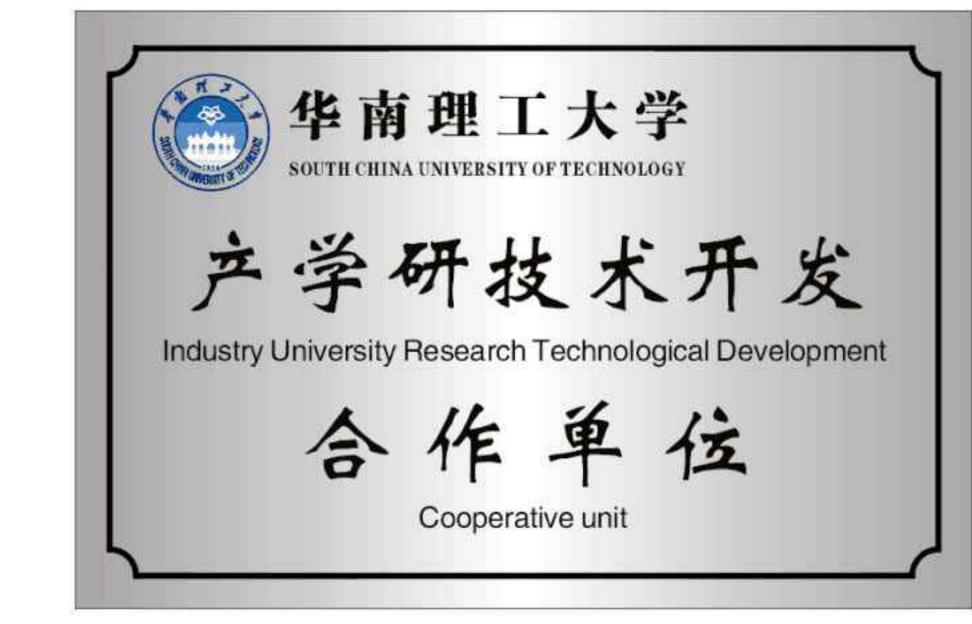
The relevant leaders of the group decided to join the environmental protection career and established Weiji Purification and Decoration Engineering Co., Ltd. Specializing in environmental purification equipment, dust purification engineering and other high purification requirements engineering.

Established V1 Mould Technology Co., Ltd. The head office is located in China town of mould, Changan, Dongguan, China. Customers all over the world, in Europe, North America, South America, Japan, and also set the second-service office.

2005 V1 Industry was established in Hongkong, the relevant group project officially started.

### CERTIFICATES







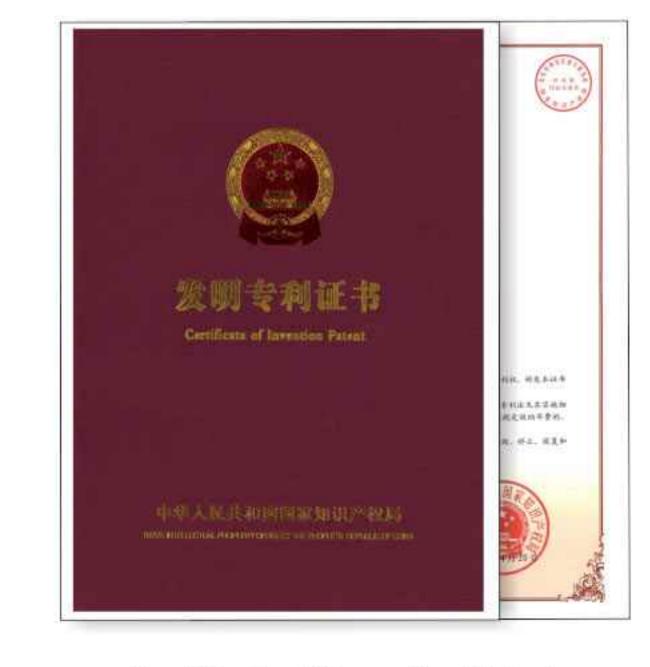
**Business License** 

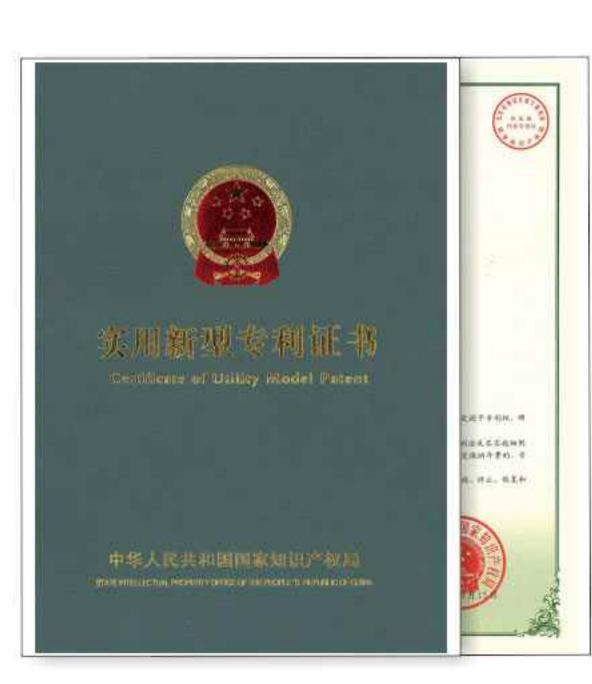
South China University Of Technology Cooperative Unit

Sanitary Premit



DIP 广东省东莞市质量监督检测中心 Guangdong Dongguan Quality Supervision Testing Center





Quality Management System (QMS) Certificate

Test Report

Certificate of Invention Patent

Certificate of Utility Model Patent









Plasma Identification of scientific and technological achievements

Plasma Density Test Report

Photocatalytic Air Purifier Test Report

Photon Hydroxylation Technology Test Report









Intellectual Property GB/T 29490-2013

Air Purification Products Test Report of CNAS L0823

Test Report of National Center of Quality Supervision and Inspection and Testing for Air Conditioning Equipment



Medical Environmental Air Disinfection Research Base



Guangdong Provincial HVAC Council Member

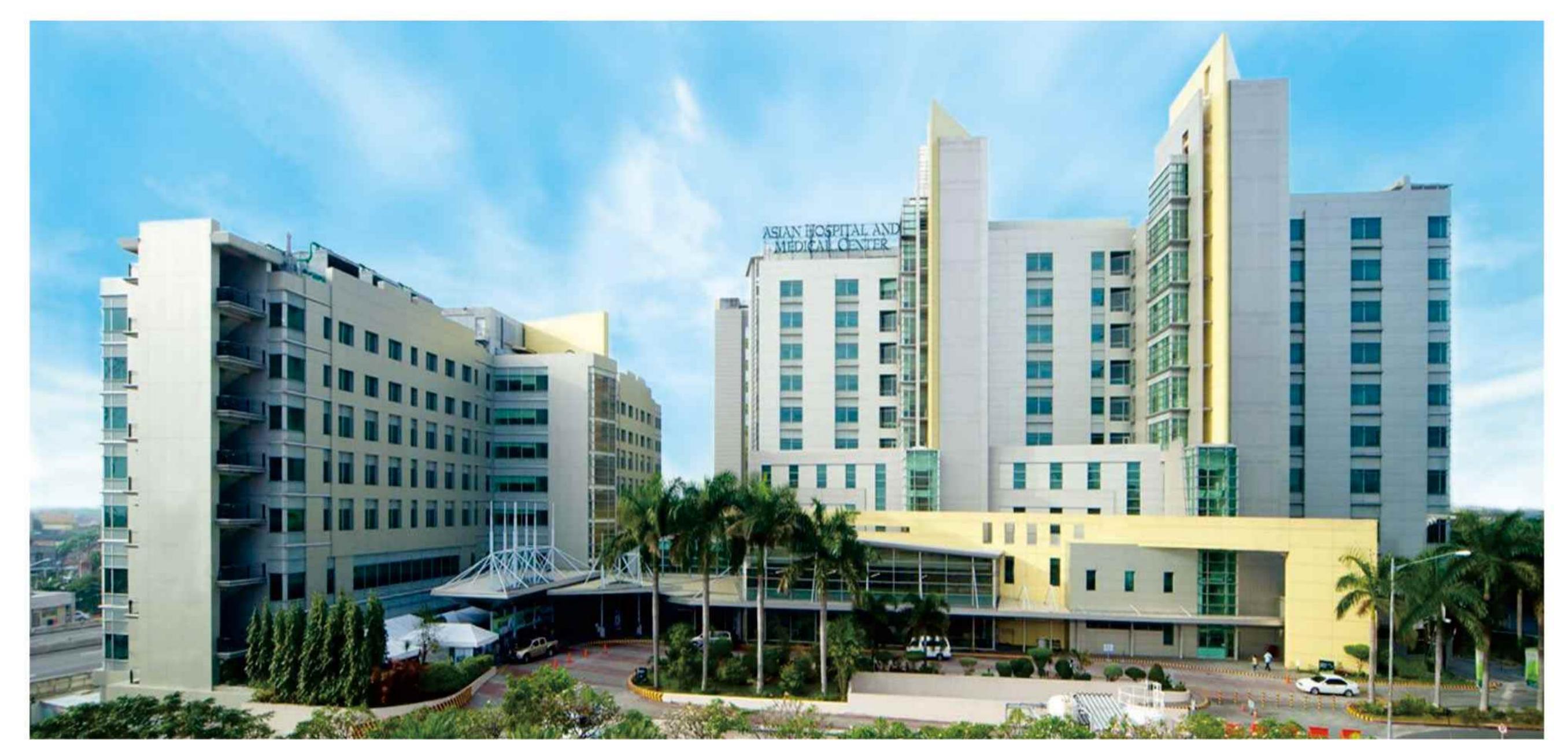


Guangdong Association of Cleanroom Technology Member



President of Dongguan Bashu Chamber of Commerce Member

### V1 REAL CASES HOSPITAL



Asian Hospital



Shanghai Tongji University Affiliated Hospital



Shenzhen Xixiang People's Hospital



Third People's Hospital of Cangnan County, Zhejiang Province



Xiangya Hospital of Central-South University, Hunan

### V1 REAL CASES PUBLIC PLACES



Shenzhen Baoan International Airport



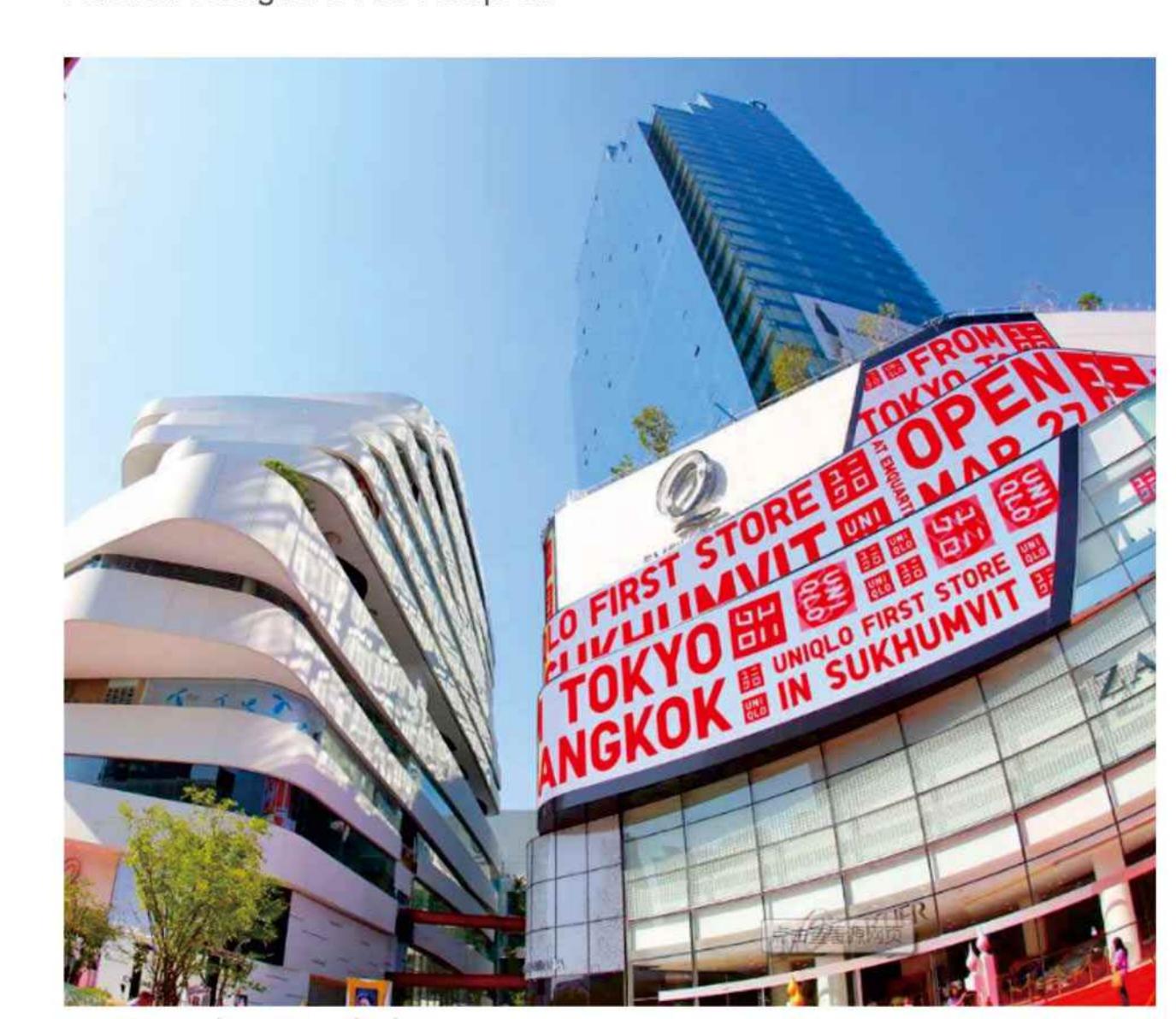
Yunnan Qujing High-speed Railway Station



Hainan Hengda Boao Hospital



Shenzhen Yantian Modern Industry Service Center



EmQuartier Bangkok

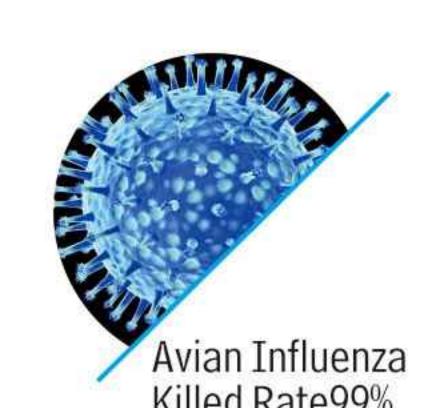


Shenzhen Qianhai Dafu Global Shopping Plaza

# HVAC SYSTEM PICTURE (CENTRAL AIR CONDITIONING SYSTEM) Fresh Air Outlet Photon Hydroxylation Technology Air Purification Device Fan Coil Air Cleaner Air Return Type Electronic Air Cleaner Air Inlet Fresh Air Outlet Air Inlet Outside Air Air Handing Unit Electronic Air Cleaner Air Duct Eletronic Air Cleaner **V1** 107 08 | **V**1

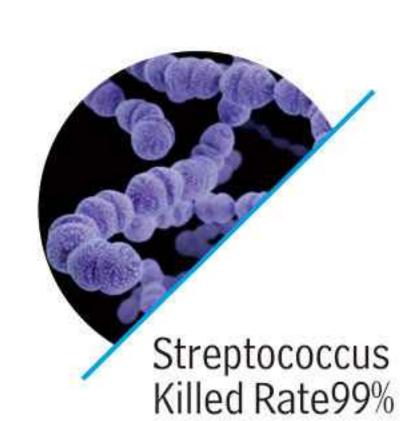
### FOR FOUR MAJOR POLLUTION SOURCES

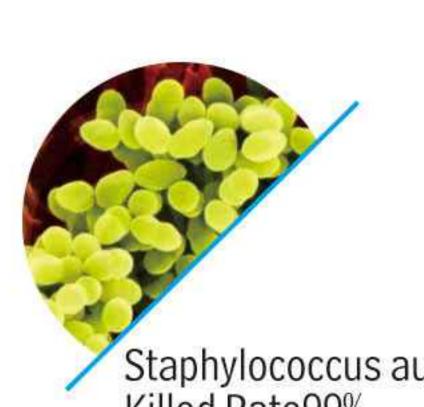
Harmful microorganisms, viruses Killed Rate 99% (SARS, avian influenza, H1N1, streptococci, E. coli, mold, etc.)

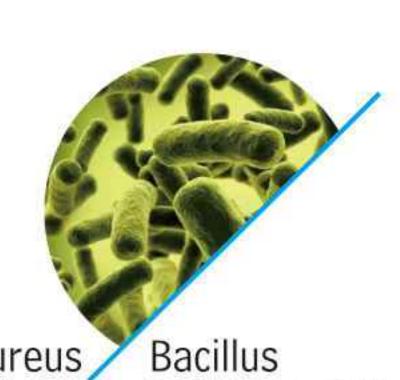










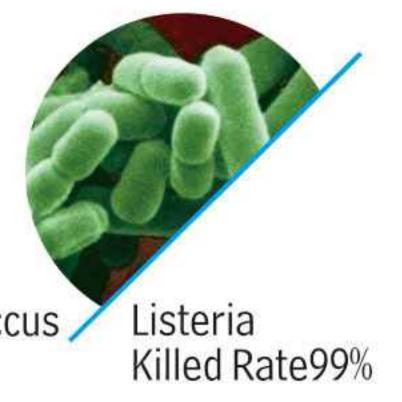


Methicillin-resistant Staphylococcus aureus Killed Rate99%

Killed Rate99%

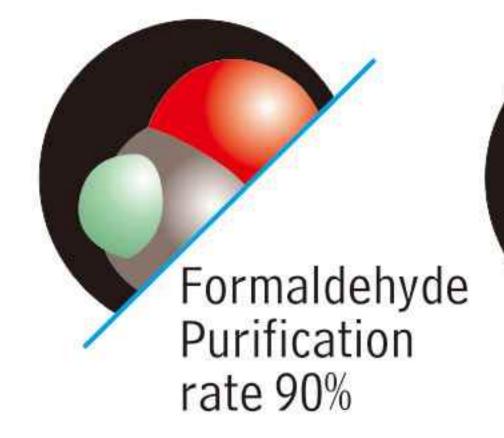
Novak virus Killed Rate99%

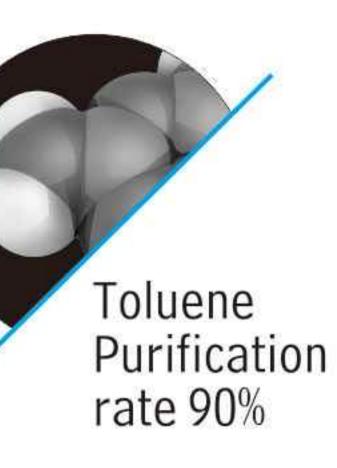
Specific streptococcus Killed Rate 96%

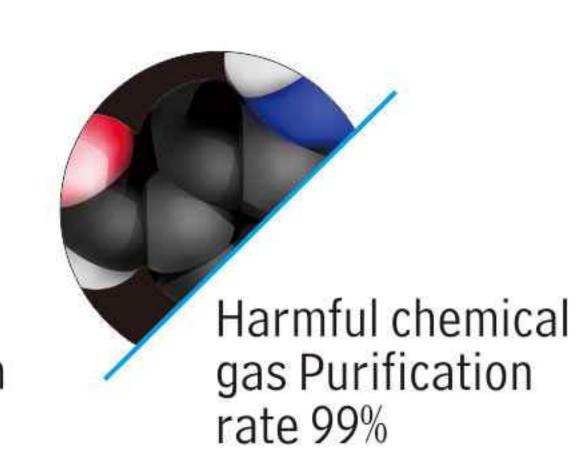




Decomposition of volatile organic compounds Killed Rate90% (formaldehyde, benzene, toluene, xylene, TVOC (harmful volatile organic compounds) and other harmful chemicals)







Settle respirable particulate matter Killed Rate 98% (sinking dust, soot, dander, smoke and other inhalable particles, especially below PM2.5 can enter the lung particles)



#### Remove different kinds of odors (pet, smoke, musty, etc.)



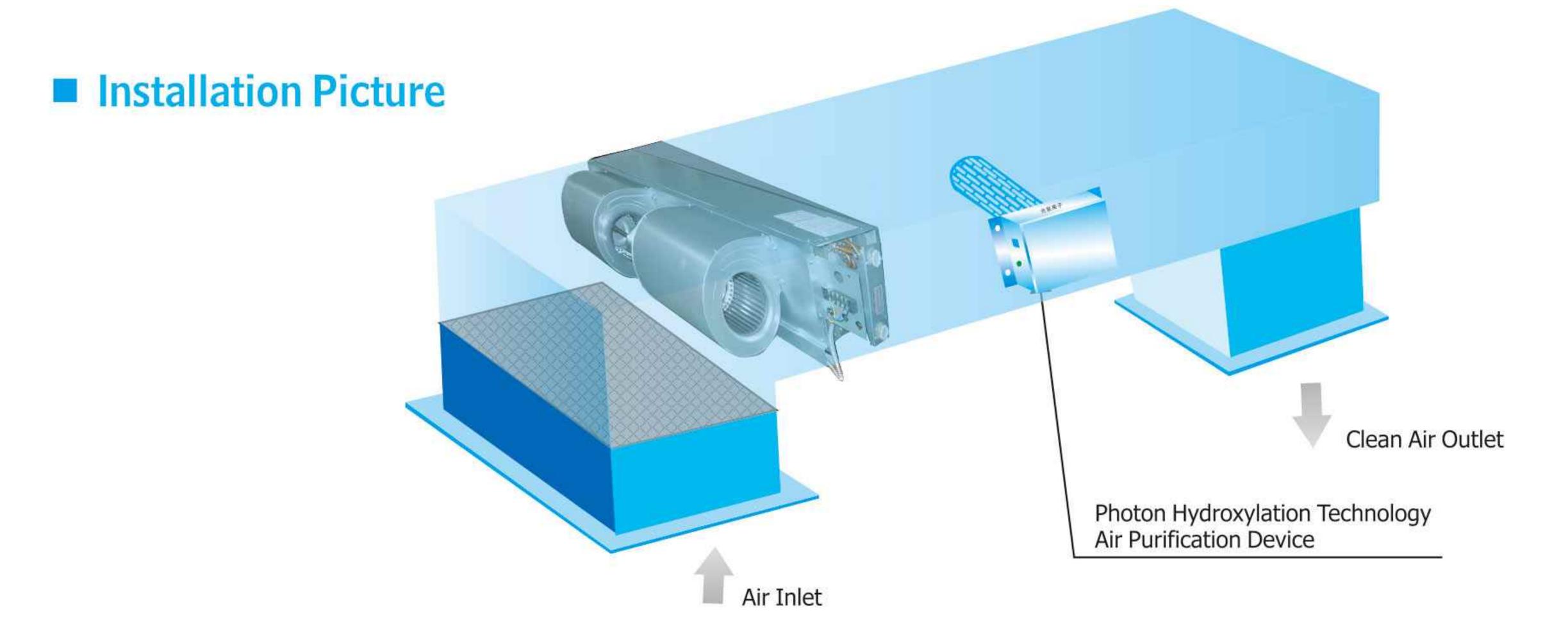
### PHT (PHOTON HYDROXYLATION TECHNOLOGY) AIR PURIFICATION DEVICE



PHT technology combines the unique air purification technology of TiO2 advanced oxidation technology and photocatalysis technology. It uses unique wide-wavelength photon wave and special metal catalyst layer to generate super-purifying purification gas, which can quickly and comprehensively remove harmful bacteria and odor gases of viruses and bacteria. The pollutants of air can be perfectly clean and will not cause secondary pollution.

#### Product Function and Feature

- The kill rate of Staphylococcus aureus, Escherichia coli is ≥90%.
- Decomposes harmful gases in the air and eliminates odors.
- It can be connected with the central air conditioner, no need to control separately, and wind reaction is also available.
- Subsiding respirable suspended particulates in the air.
- With brightness adjustment function, you can adjust the brightness according to the actual use.
- No moving parts, safe and quiet, low power consumption, energy saving and environmental protection.
- External indicator light detects the running status, and specific fault prompt function.
- Plug-in structure design, easy to install, disassemble, clean and repair Optional split structure.



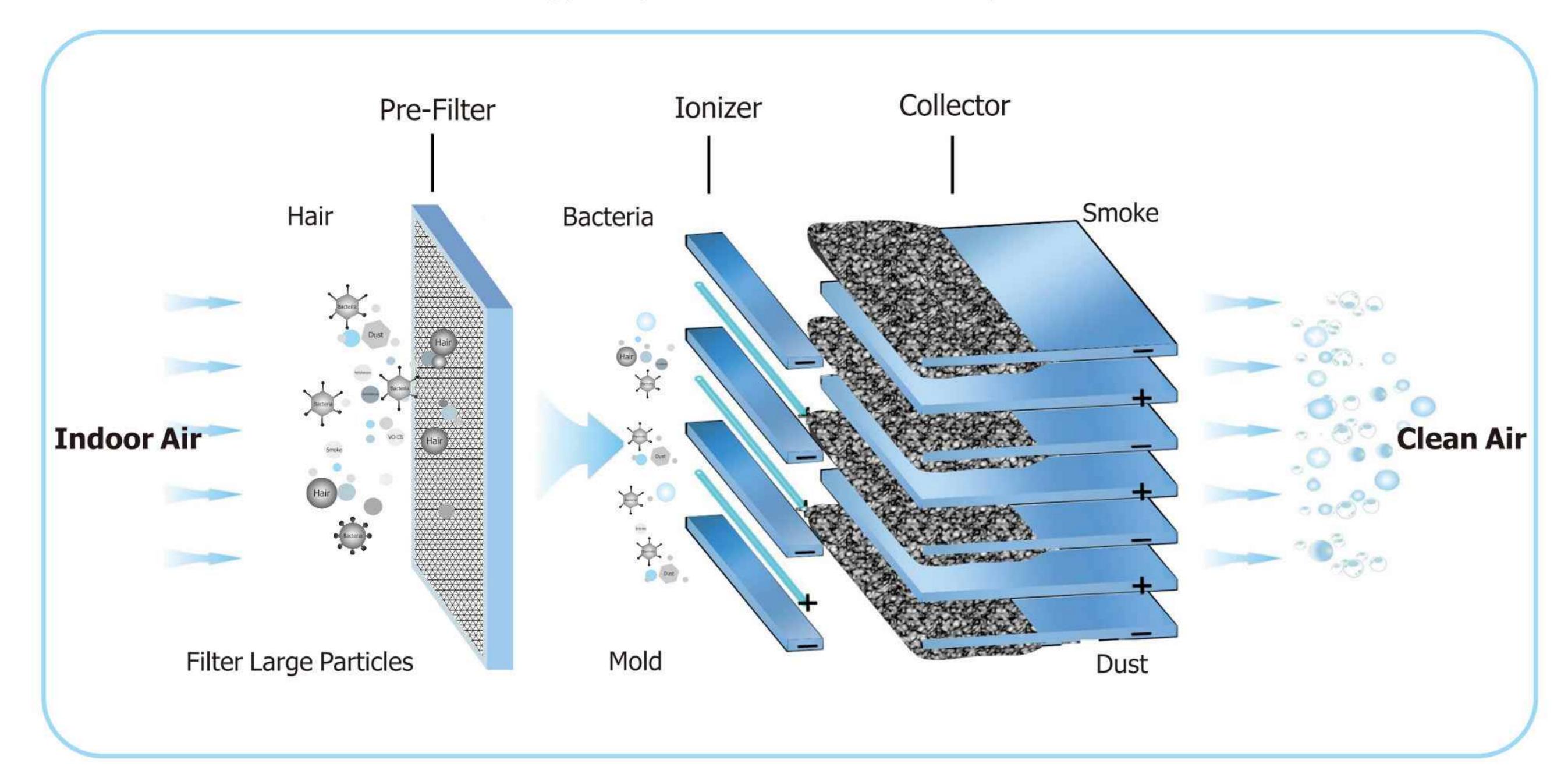
#### Product Models and Parameters

Model	Air circulation (m³/h)	Inlet Power(W)	Power Voltage	Environment Temperature
VBK-GL-1000	1000m³/h	≤13W	110V ~ 220V	-5 <b>~</b> 45℃
VBK-GL-2000	2000m³/h	≤18W	110V ~ 220V	-5 ~ 45℃
VBK-GL-3000	3000m³/h	≤24W	110V ~ 220V	-5 ~ 45℃
VBK-GL-4000~5000	4000m³/h	≤36W	110V ~ 220V	-5 <b>~</b> 45℃

### ELECTRONIC AIR CLEANER

#### **■ Electronic Principle**

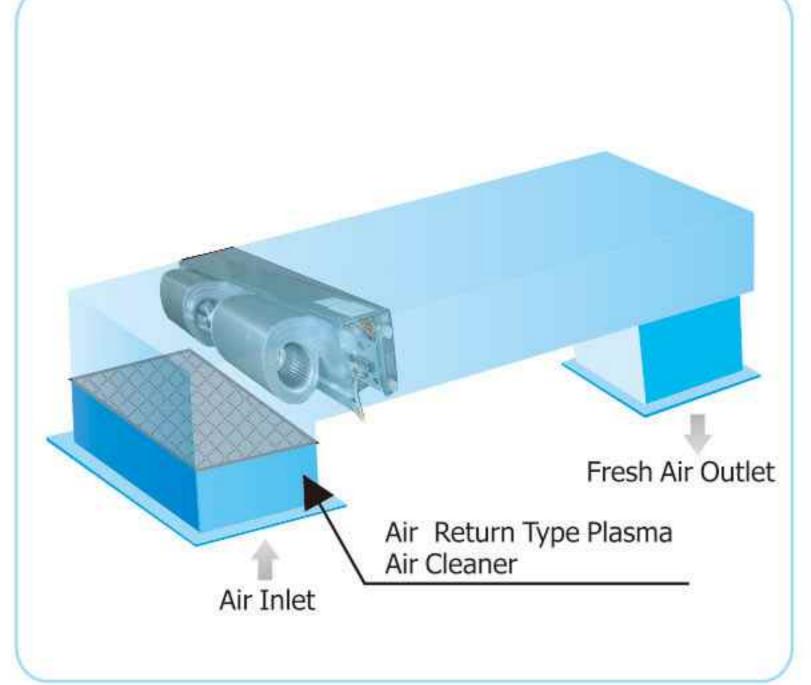
As shown on below picture, the central air conditioning system supplies air to the pre-filter to filter out large dust particles and hair; and sends to the plasma ionization zone which the plasma density is  $1.05 \times 10^{17}$ - $4.02 \times 10^{17}$  m<sup>-3</sup>. The bacteria and molds are eliminated in the ionization zone; after passing through the parallel plates of alternating positive and negative in the dust collecting zone, the dust and smoke are adsorbed on the dust collecting plate by the Coulomb force. Therefore, the clean and fresh air outlet.

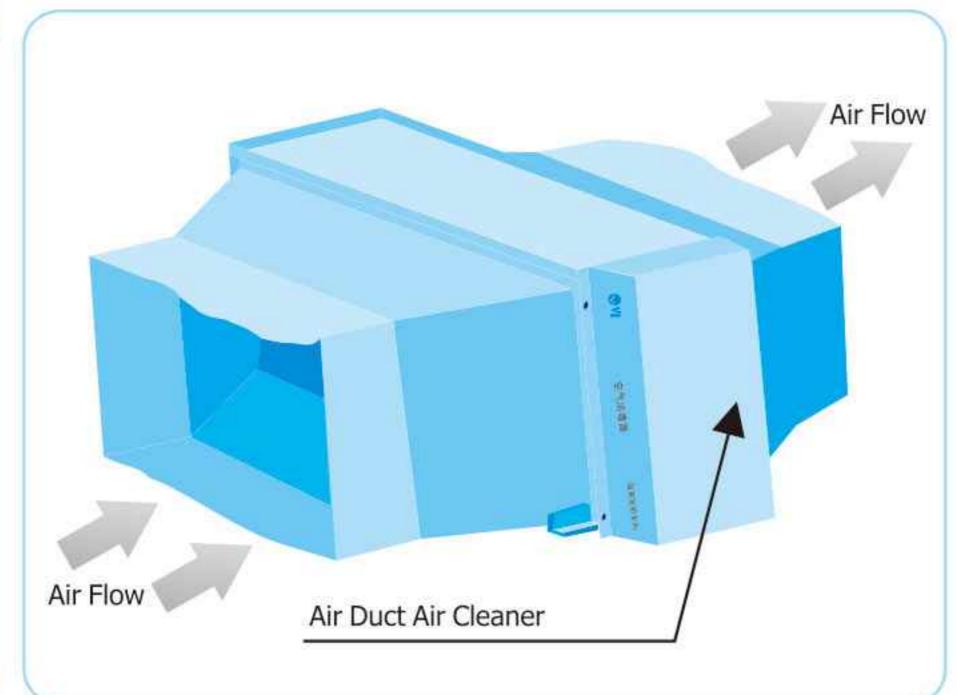


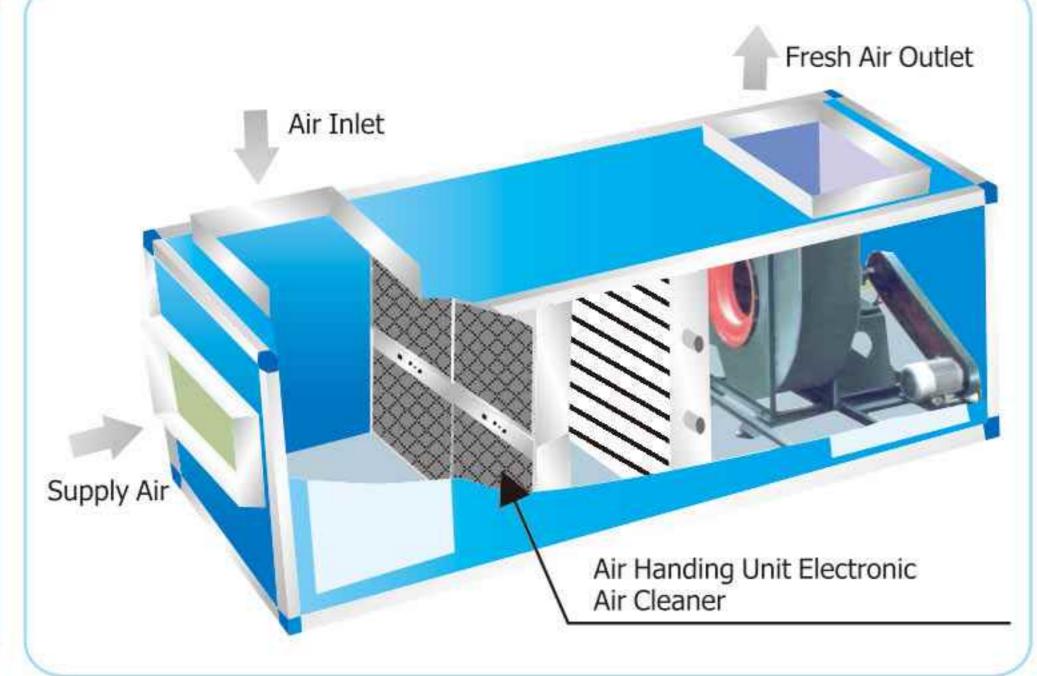
#### Product Function and Feature

- Significantly reduce the dust inside the building, and flow fresh air to ensure the basic cleanliness of the building system.
- The dust collecting electrode can be reused for a long time after cleaning, and the maintenance cost is low.
- The electronic dust removal device has low air resistance and adopts a unique symmetrical plate structure, resistance < 25Pa, high dust removal efficiency, and small resistance change after dust accumulation.
- Low static pressure requirements for air conditioning system fans, thereby reducing air conditioning system equipment and operating costs.
- Modular design of dust collecting plate, and can be combined into a variety of devices, which is flexible for different space.
- Adopting with an electronic high-voltage generator for stable operation.
- Big dust collection design with long intervals maintenance cycle.

#### Installation Picture







### PRODUCT MODELS AND PARAMETERS

#### Electronic Air Cleaner

#### Air Return Type Electronic Air Cleaner



Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK- HD-340	340m³/h	545 × 250 × 180(mm)	≤5W	-5 ~ 45℃
VBK- HD-510	510m³/h	645 × 250 × 180(mm)	≤5W	-5 <b>~</b> 45 ℃
VBK- HD-680	680m³/h	745 × 250 × 180(mm)	≤5W	-5 <b>~</b> 45℃
VBK- HD-850	850m³/h	845 × 250 × 180(mm)	≤5W	-5 ~ 45°C
VBK- HD-1020	1020m³/h	965 × 250 × 180(mm)	≤10W	-5 ~ 45℃
VBK- HD-1360	1360m³/h	1265 × 250 × 180(mm)	≤10W	-5 ~ 45℃
VBK- HD-1700	1700m³/h	1370 × 250 × 180(mm)	≤10W	-5 ~ 45℃
VBK- HD-2040	2040m³/h	1660 × 250 × 180(mm)	≤15W	-5 <b>~</b> 45 <b>°</b> ℃

<sup>\*</sup>The above size and air volume is for reference, which can be customized according to the actual needs.

#### Air Duct Type Electronic Air Cleaner



Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-GD-500	500m³/h	473 × 185 × 410(mm)	≤5W	-5 ~ 45°C
VBK-GD-1000	1000m³/h	473 × 283 × 410(mm)	≤5W	-5 ~ 45°C
VBK-GD-2000	2000m³/h	885 × 283 × 410(mm)	≤10W	-5 <b>~</b> 45 ℃
VBK-GD-3000	3000m³/h	1085 × 348 × 410(mm)	≤10W	-5 ~ 45 °C
VBK-GD-4000	4000m³/h	1085 × 445 × 410(mm)	≤10W	-5 ~ 45 ℃
VBK-GD-5000	5000m³/h	1325 × 445 × 410(mm)	≤15W	-5 ~ 45 ℃
VBK-GD-6000	6000m³/h	1625 × 445 × 410(mm)	≤15W	-5 <b>~</b> 45 ℃
VBK-GD-8000	8000m³/h	1625 × 538 × 410(mm)	≤20W	-5 ~ 45°C
VBK-GD-10000	10000m³/h	1625 × 678 × 410(mm)	≤25W	-5 <b>~</b> 45 ℃
VBK-GD-12000	12000m³/h	1735 × 730 × 410(mm)	≤30W	-5 ~ 45°C
Name of the Control o			as (10): 14 /4	1 599 HED 1079 1 20 5991 W

<sup>\*</sup> The above size and air volume is for reference, which can be customized according to the actual needs.

#### Air Handing Unit Electronic Air Cleaner



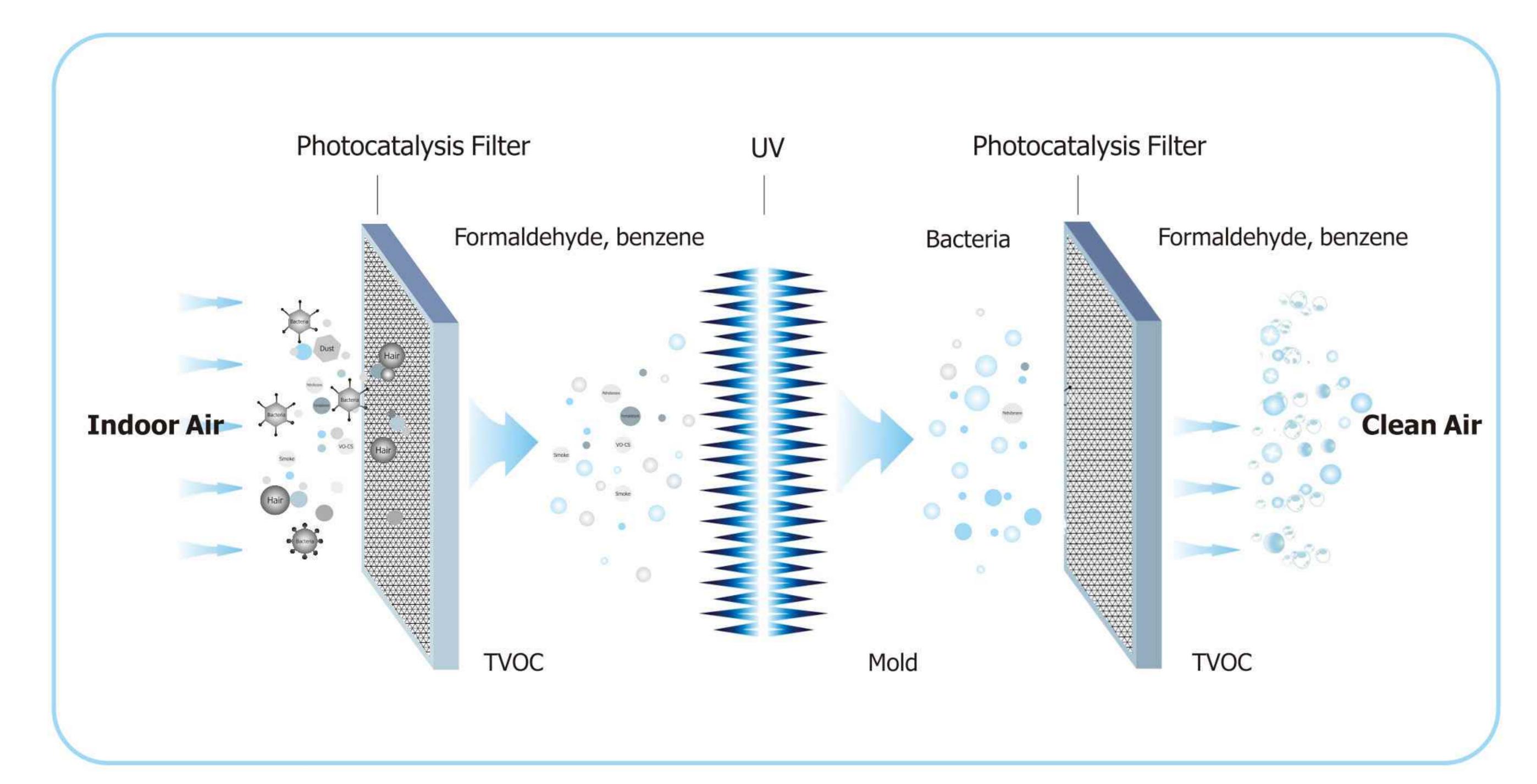
Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-ZD-1360	1360m³/h	500 × 348 × 180(mm)	≤5W	-5 ~ 45℃
VBK-ZD-1700	1700m³/h	600 × 348 × 180(mm)	≤5W	-5 ~ 45°C
VBK-ZD-2720	2720m³/h	500 × 663 × 180(mm)	≤10W	-5 <b>~</b> 45 ℃
VBK-ZD-3400	3400m³/h	600 × 663 × 180(mm)	≤10W	-5 ~ 45 ℃

<sup>\*</sup> The above size and air volume is for reference, which can be customized according to the actual needs.

### PHOTOCATALYSIS AIR CLEANER

#### Photocatalysis principle:

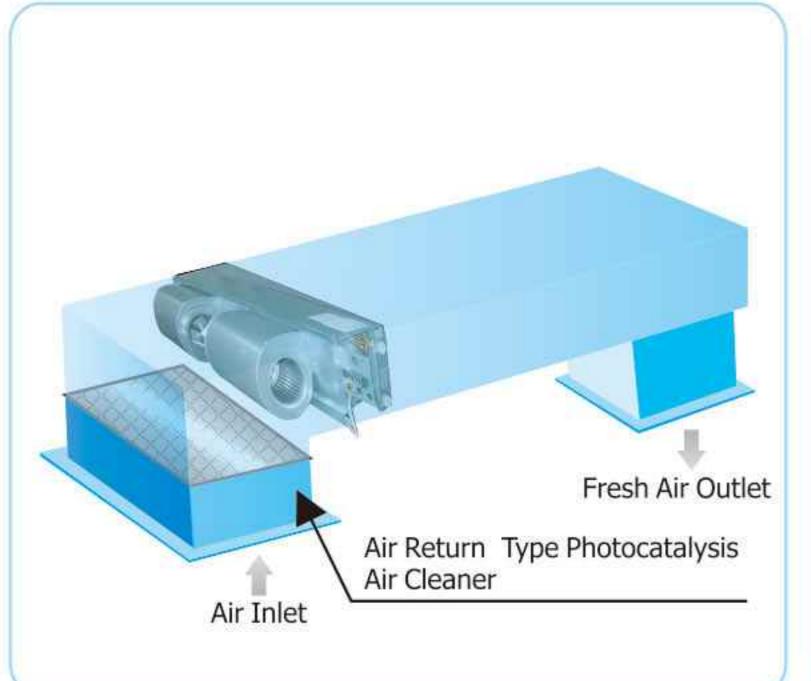
As shown on below picture, the central air conditioning system supplies air to the Photocatalysis Filter to filter out some particles; and they gets the electron voltage in Photocatalysis Filter(TiO<sub>2</sub>) by the effect of UV light which can decomposes harmful gases such as formaldehyde, benzene, TVOC, etc. It is sent to the UV lamp area by the circulating fan. The ultraviolet lamp illuminates and destroys the DNA (deoxyribonucleic acid) structure of the bacteria, causing the bacteria to die or lose their viability and die. At last, through the photocatalytic filter again to decompose harmful air. Therefore, the clean and fresh air outlet.

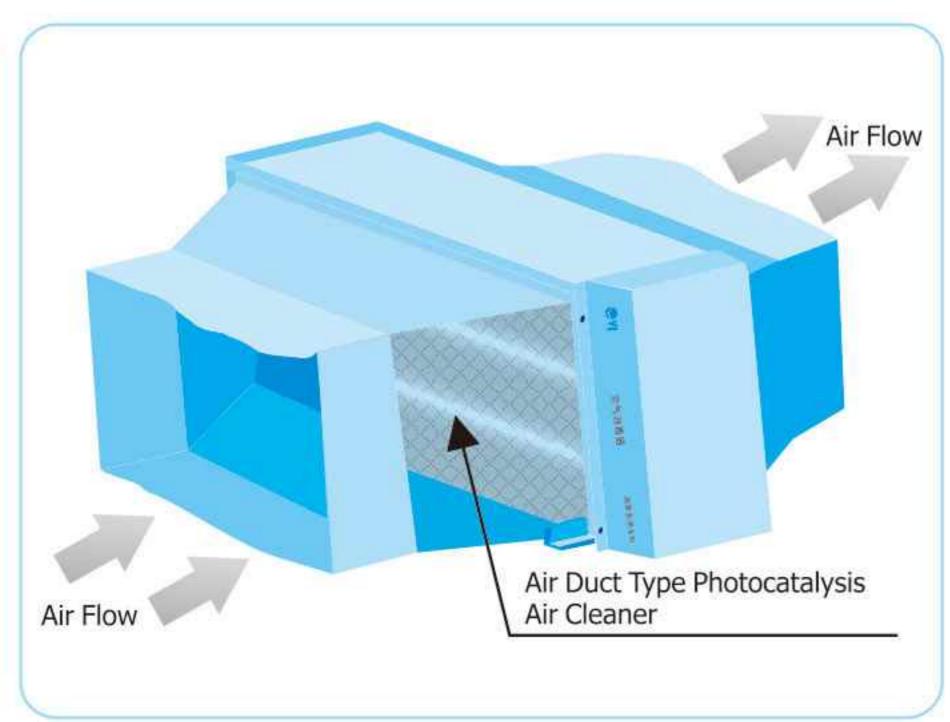


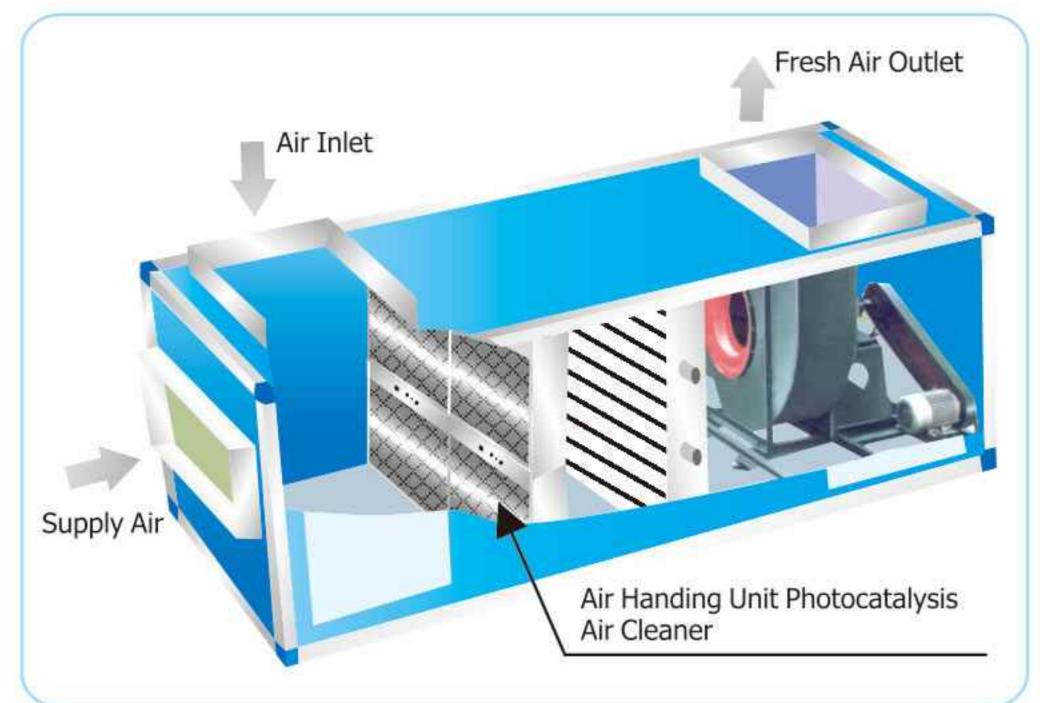
#### Product Function and Feature

- High efficiently kill bacteria, viruses and harmful microorganisms.
- Decompose harmful gases such as formaldehyde, benzene, ammonia, TVOC, etc.
- Purify the odor caused by the reaction of human body breathing, sweat, urine and objects, and mildew and rot.
- Easily maintenance, removing the inner louver, it can be maintained from the front.
- Comprehensive sterilization, no secondary pollution, and low power consumption.
- The external indicator light detects the running status and has the functions of maintenance and fault prompting.

#### Installation Picture







### PRODUCT MODELS AND PARAMETERS

Photocatalysis Air Cleaner

#### Air Return Type Photocatalysis Air Cleaner



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Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK- HC-340	340m³/h	545 × 250 × 120(mm)	≤10W	-5 ~ 45℃
VBK- HC-510	510m³/h	645 × 250 × 120(mm)	≤10W	-5 ~ 45℃
VBK- HC-680	680m³/h	745 × 250 × 120(mm)	≤15W	-5 ~ 45℃
VBK- HC-850	850m³/h	845 × 250 × 120(mm)	≤15W	-5 <b>~</b> 45 ℃
VBK- HC-1020	1020m³/h	965 × 250 × 120(mm)	≤25W	-5 ~ 45°C
VBK- HC-1360	1360m³/h	1265 × 250 × 120(mm)	≤30W	-5 ~ 45℃
VBK- HC-1700	1700m³/h	1370 × 250 × 120(mm)	≤30W	-5 ~ 45℃
VBK- HC-2040	2040m³/h	1660 × 250 × 120(mm)	≤40W	-5 ~ 45℃

<sup>\*</sup> The above size and air volume is for reference, which can be customized according to the actual needs.

#### Air Duct Type Photocatalysis Air Cleaner



Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-GC-500	500m³/h	473 × 185 × 350(mm)	≤10W	-5 ~ 45°C
VBK-GC-1000	1000m³/h	473 × 283 × 350(mm)	≤10W	-5 ~ 45 °C
VBK-GC-2000	2000m³/h	885 × 283 × 350(mm)	≤20W	-5 ~ 45°C
VBK-GC-3000	3000m³/h	1085 × 348 × 350(mm)	≤30W	-5 ~ 45 ℃
VBK-GC-4000	4000m³/h	1085 × 445 × 350(mm)	≤40W	-5 ~ 45°C
VBK-GC-5000	5000m <sup>3</sup> /h	1325 × 445 × 350(mm)	≤50W	-5 ~ 45 ℃
VBK-GC-6000	6000m³/h	1625 × 445 × 350(mm)	≤60W	-5 ~ 45°C
VBK-GC-8000	8000m³/h	1625 × 538 × 350(mm)	≤80W	-5 ~ 45°C
VBK-GC-10000	10000m³/h	1625 × 678 × 350(mm)	≤120W	-5 ~ 45°C
VBK-GC-12000	12000m³/h	1735 × 730 × 350(mm)	≤160W	-5 ~ 45°C
* The above si	ze and air volume	is for reference, which can	he customized	according to the actual needs

<sup>\*</sup> The above size and air volume is for reference, which can be customized according to the actual needs.

#### Air Handing Unit Photocatalysis Air Cleaner



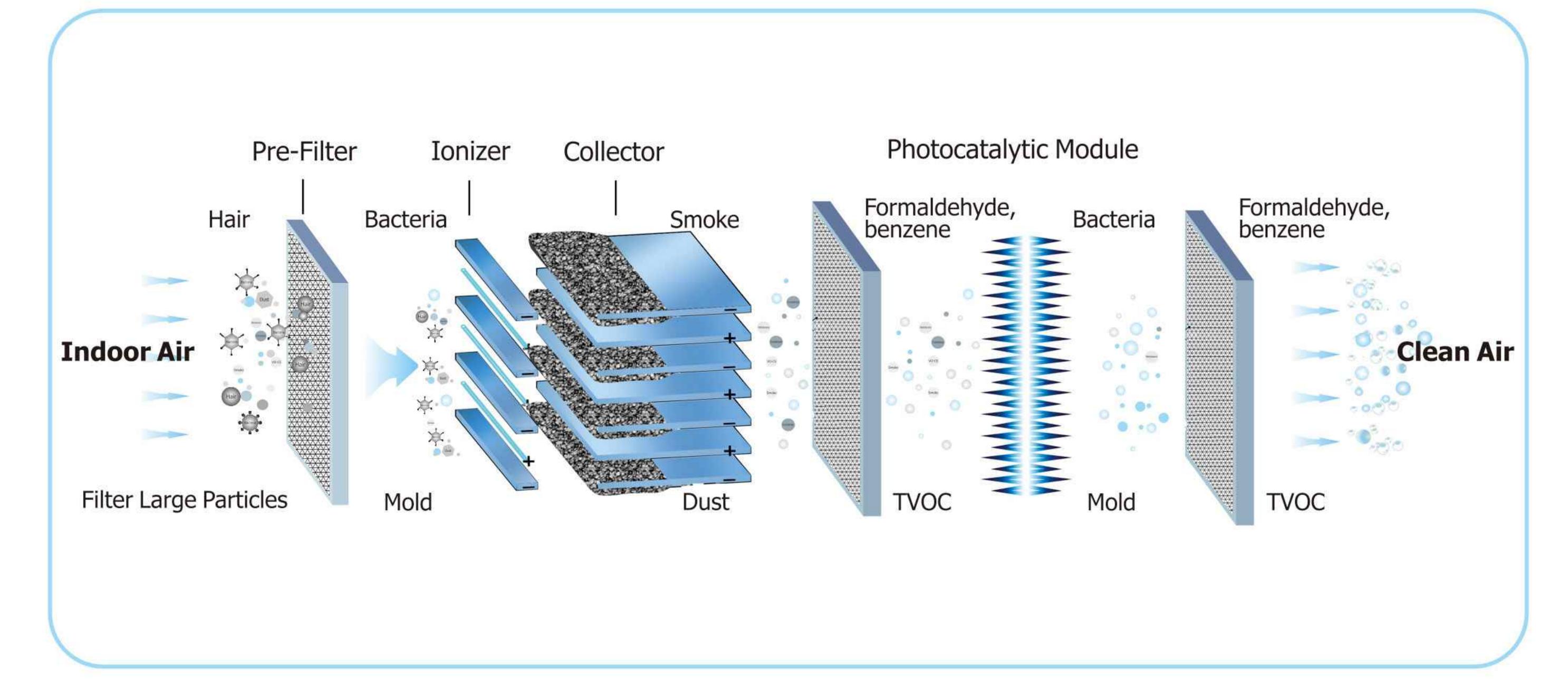
Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-ZC-1360	1360m³/h	350 × 348 × 120(mm)	≤15W	-5 <b>~</b> 45 ℃
VBK-ZC-1700	1700m³/h	600 × 348 × 120(mm)	≤18W	-5 ~ 45°C
VBK-ZC-2720	2720m³/h	500 × 663 × 120(mm)	≤30W	-5 <b>~</b> 45 <b>°</b> ℃
VBK-ZC-3400	3400m³/h	600 × 663 × 120(mm)	≤36W	-5 ~ 45 ℃

<sup>\*</sup> The above size and air volume is for reference, which can be customized according to the actual needs.

### PHOTOELECTRIC AIR CLEANER

#### Photoelectric Principle:

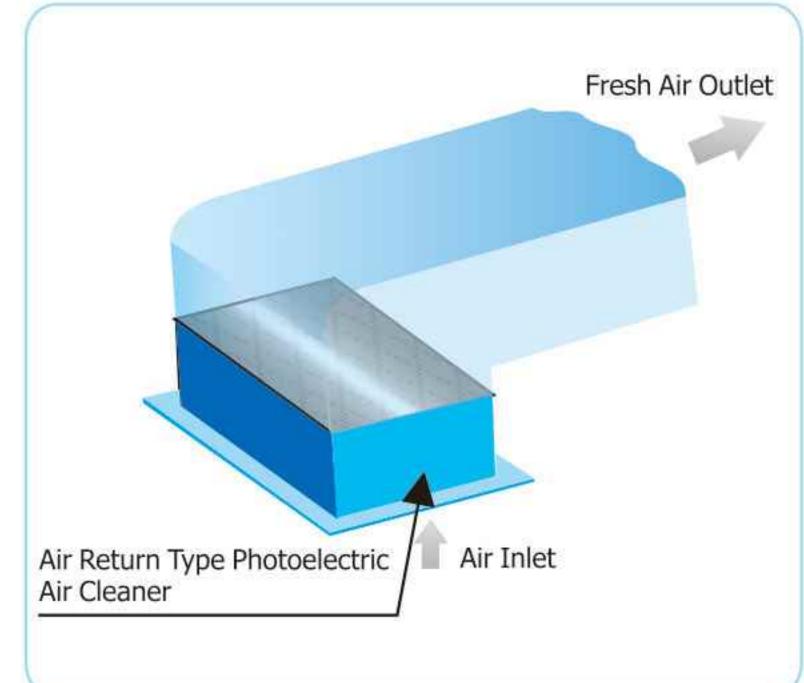
As shown on below picture, the central air conditioning system supplies air to the pre-filter to filter out large dust particles and hair; and sends to the plasma ionization zone which the plasma density is  $1.05 \times 10^{17}$ - $4.02 \times 10^{17}$ m<sup>-3</sup>. The bacteria and molds are eliminated in the ionization zone; after passing through the parallel plates of alternating positive and negative in the dust collecting zone, the dust and smoke are adsorbed on the dust collecting plate by the Coulomb force. Then Supplies air to the Photocatalysis Filter to filter out some particles; and they gets the electron voltage in Photocatalysis Filter(TiO2) by the effect of UV light which can decomposes harmful gases such as formaldehyde, benzene, TVOC, etc. It is sent to the UV lamp area by the circulating fan. The ultraviolet lamp illuminates and destroys the DNA (deoxyribonucleic acid) structure of the bacteria, causing the bacteria to die or lose their viability and die. At last, through the photocatalytic filter again to decompose harmful air. Therefore, the clean and fresh air outlet.

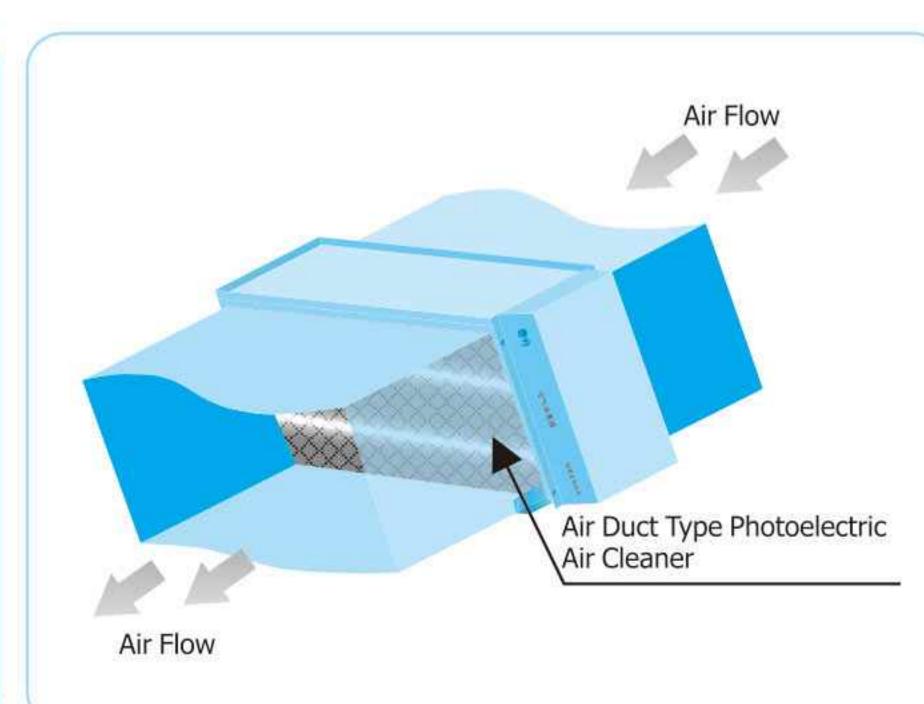


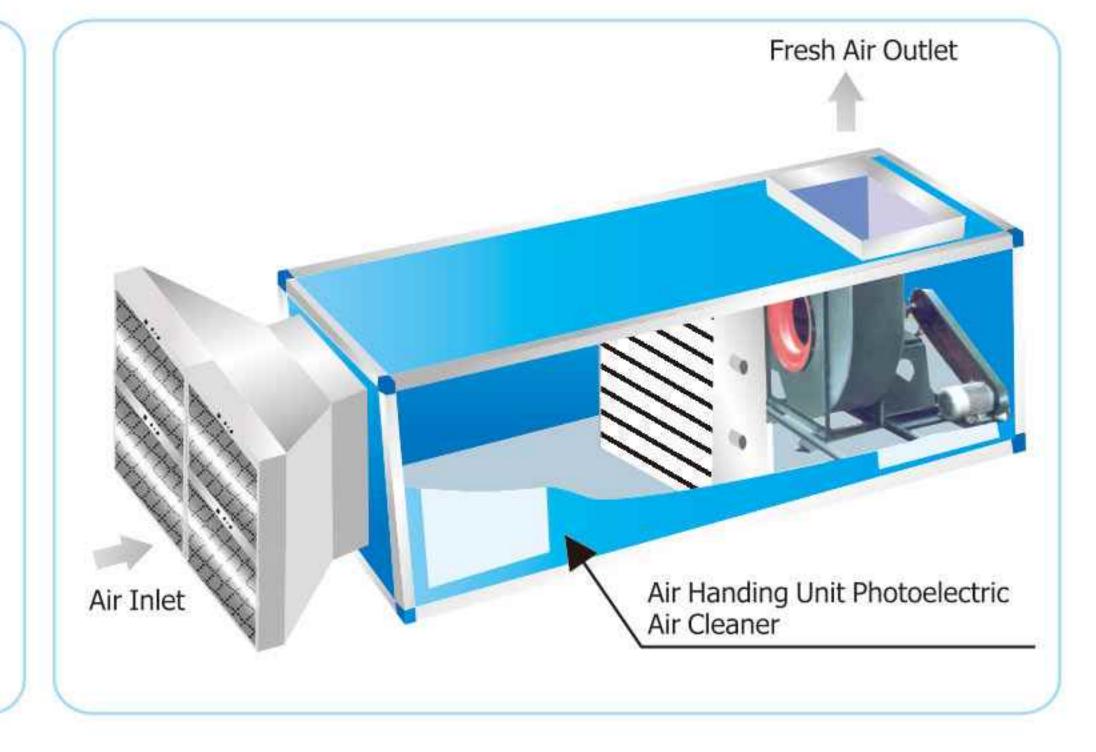
#### Product Function and Feature

- Adopt standardized module design, which can be freely combined according to air volume and size.
- Adopt photoelectric physical disinfection and purification methods with pure dynamic disinfection technology that is harmless to the human body, safe, high efficient and environmental protection.
- High efficiently kill bacteria, viruses and harmful microorganisms.
- Decompose harmful gases such as formaldehyde, benzene, ammonia, TVOC, etc.
- Easily maintenance, removing the inner louver, it can be maintained from the front.
- The external indicator light detects the running status, and specific fault prompt function.
- It can be connected with the central air conditioner, or control separately, and wind reaction is also available.

#### Installation Picture







### PRODUCT MODELS AND PARAMETERS

Photoelectric Air Cleaner

#### Air Return Type Photoelectric Air Cleaner



Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-HGD-340	340m³/h	545 × 250 × 245(mm)	≤15W	-5 ~ 45 ℃
VBK-HGD-510	510m³/h	645 × 250 × 245(mm)	≤15W	-5 ~ 45°C
VBK-HGD-680	680m³/h	745 × 250 × 245(mm)	≤20W	-5 ~ 45℃
VBK-HGD-850	850m³/h	845 × 250 × 245(mm)	≤20W	-5 ~ 45 ℃
VBK-HGD-1020	1020m³/h	965 × 250 × 245(mm)	≤35W	-5 <b>~</b> 45 ℃
VBK-HGD-1360	1360m³/h	1265 × 240 × 180(mm)	≤40W	-5 ~ 45°C
VBK-HGD-1700	1700m³/h	1370 × 240 × 180(mm)	≤40W	-5 ~ 45°C
VBK-HGD-2040	2040m³/h	1660 × 240 × 180(mm)	≤55W	-5 ~ 45 ℃

<sup>\*</sup>The above size and air volume is for reference, which can be customized according to the actual needs.

#### Air Duct Type Photoelectric Air Cleaner



Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-GGD-500	500m³/h	473 × 185 × 495(mm)	≤15W	-5 ~ 45°C
VBK-GGD-1000	1000m³/h	473 × 283 × 495(mm)	≤15W	-5 ~ 45°C
VBK-GGD-2000	2000m³/h	885 × 283 × 495(mm)	≤30W	-5 ~ 45°C
VBK-GGD-3000	3000m³/h	1085 × 348 × 495(mm)	≤40W	-5 ~ 45 °C
VBK-GGD-4000	4000m³/h	1085 × 445 × 495(mm)	≤50W	-5 ~ 45°C
VBK-GGD-5000	5000m³/h	1325 × 445 × 495(mm)	≤65W	-5 ~ 45℃
VBK-GGD-6000	6000m³/h	1625 × 445 × 495(mm)	≤75W	-5 ~ 45℃
VBK-GGD-8000	8000m <sup>3</sup> /h	1625 × 538 × 495(mm)	≤100W	-5 ~ 45 ℃
VBK-GGD-10000	10000m³/h	1625 × 678 × 495(mm)	≤145W	-5 ~ 45 °C
VBK-GGD-12000	12000m³/h	1735 × 730 × 495(mm)	≤190W	-5 ~ 45℃
Table 14 14				20 A

<sup>\*</sup> The above size and air volume is for reference, which can be customized according to the actual needs.



#### Air Handing Unit Photoelectric Air Cleaner

Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-ZGD-1360	1360m³/h	500 × 348 × 255(mm)	≤20W	-5 <b>~</b> 45 ℃
VBK-ZGD-1700	1700m³/h	600 × 348 × 255(mm)	≤23W	-5 ~ 45℃
VBK-ZGD-2720	2720m³/h	500 × 663 × 255(mm)	≤40W	-5 <b>~</b> 45℃
VBK-ZGD-3400	3400m³/h	600 × 663 × 255(mm)	≤46W	-5 ~ 45℃

<sup>\*</sup> The above size and air volume is for reference, which can be customized according to the actual needs.

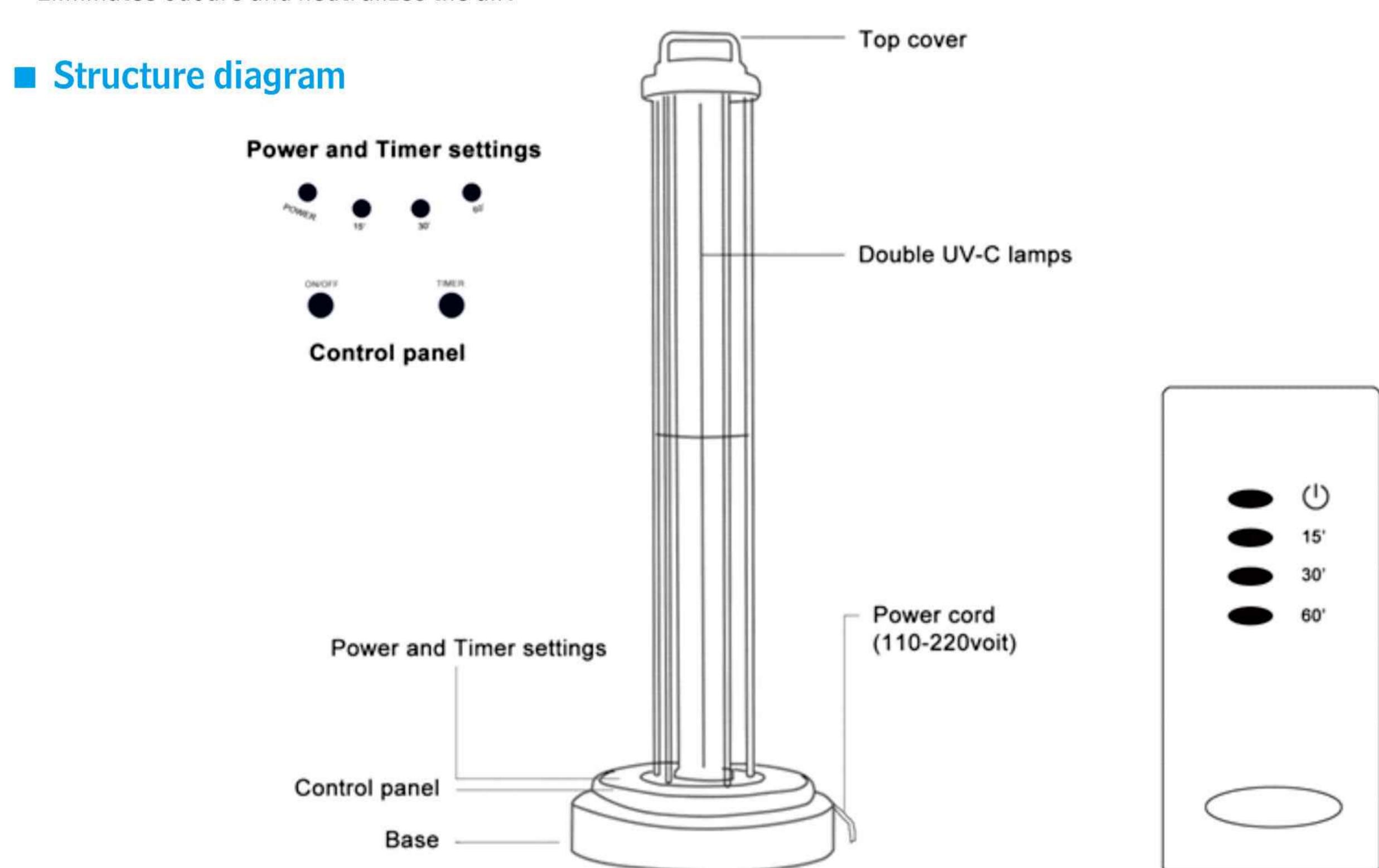
### UVGI AIR STERILIZER

#### Parameters:

Lightwave	UV-C primarily in the 253.7nm wavelength		
Rated Voltage	110V~120V	220V~230V	
Rated Power	60HZ	50HZ	
UV intensity	170 μW/cm2		
UV lamp lifespan	≥8000H		
UV lamp length	410mm/530mm		
UV Lamp Power	38W/60W		
Timing mode	Electronic timing		
Control way	Remote control, Timing Control		

#### Benefits:

- Effective in the prevention of Tuberculosis, MRSA, H1N1 and other airborne cross contamination.
- Eliminates 99.9% of bacteria, yeast, mold and fungus problems found in hospitals, schools, food manufacturing plants and offices.
- Kills harmful bacteria in closed premises.
- Reduces asthmatic effects.
- Eliminates odours and neutralizes the air.



Warning: when using ultraviolet disinfection lamp, people and animals must leave the room irradiated by ultraviolet rays for too long would burn people's skin and eyes!



#### Parameters:

Lightwave	UV-C primarily in the 253.7nm wavelength		
Rated Voltage	220V~230V	110V~120V	
Rated Power	50HZ	60HZ	
UV intensity	150 µW/cm²/180 µW/cm²/205 µW/cm²		
Bulb lifespan	8000 operational hours		
Ballast lifespan	20000 operational hours		
Bulb length	2*894mm/2*894mm		
UV Lamp Power	60W/100W/150W		
Timing mode	Electronic timing		
Control way	Remote control, Timing Control		

#### **Feature:**

- Ultraviolet disinfection car mainly uses ultraviolet sterilization lamp to sterilize.
- The main body is made of high-quality iron plate, coated with amino baking paint on the top, and caster on the bottom.
- Beautiful appearance, practical.
- The lamp has a long service life.
- The machine is equipped with a timer, the time can be selected according to the disinfection area and disinfection amount.

#### Area and duration of disinfection

Space Disinfection: Please place the sterilizer in the center of the room and set the sterilizing time according to the table below.

Room Area	Power Of Sterilizing Lamp	Recommended Disinfection Time
	60W	20min
About 10 square metres	100W	15min
	150W	12min
	60W	30min
About 20 square metres	100W	24min
	150W	20min
	60W	60min
About 40 square metres	100W	45min
	150W	30min
	60W	90min
About 60 square metres	100W	60min
	150W	45min

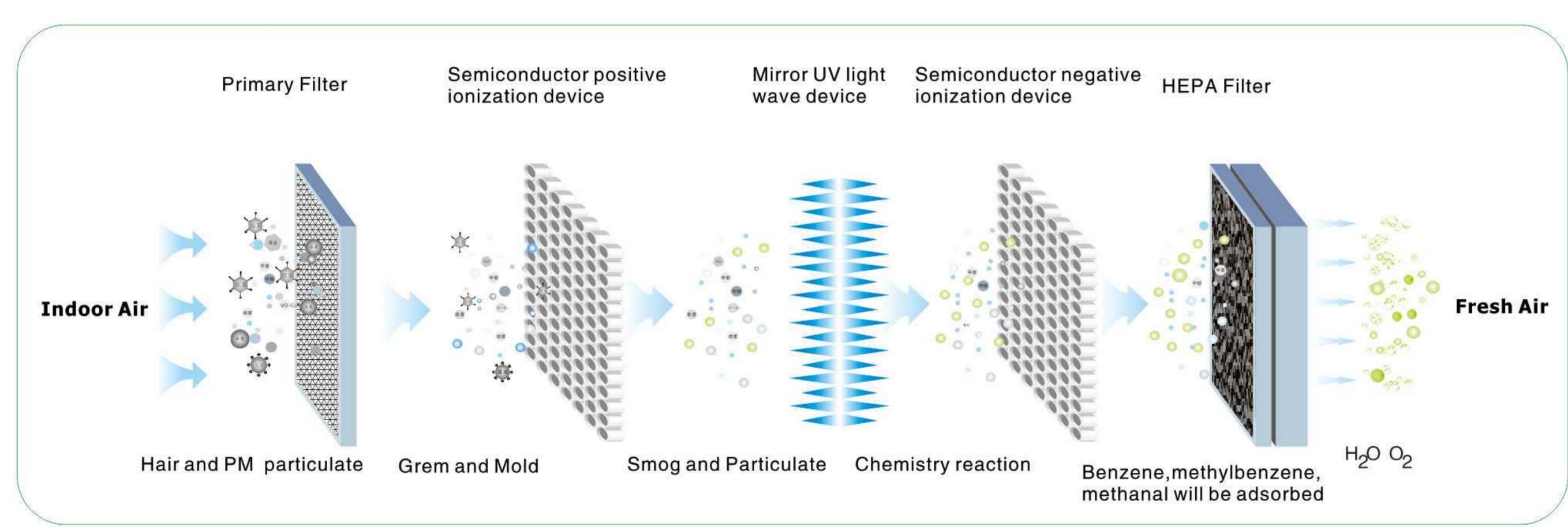
#### Applications

- Treatment of air in waste management facilities.
- Removal of "bad air" in factories and adjacent offices.
- Food storage facilities (cheese, wine, vegetables, fruits, meat, etc..).
- Clinical environments such as clinics, hospitals, operating rooms, dental surgeries, schools, holding facilities.
- Laboratoria and testing facilities that require a clinically clean environment.
- Food processing plantations.
- Decontamination of storage facilities.

Warning: when using ultraviolet disinfection lamp, people and animals must leave the room irradiated by ultraviolet rays for too long would burn people's skin and eyes!



#### New Generation Air Sterilization Working Principle



- Application "semiconductor catalysis and semiconductor ionization device" and "mirror UV light wave" technology. The air passes through Primary Filter to remove hair, large fiber particles in the air, and then sent by the fan into the semiconductor positive ionization device. The particulate bacteria in the air are charged under Positive Semiconductor Ionization, and the bacteria suffers from electrical breakdown (lightning) effect. The particulate bacteria in the air will be adsorbed by the electric power on the dust collecting plate of the semiconductor ionization device, so the cells will be killed by electrical breakdown.
- At the same time, by UV reaction device, when the semiconductor catalyst obtains ev energy (electric energy), semiconductor catalyst to transition to the conduction band and valence, it generates electron-holes, forms negative oxygen ions (O2) and radicals (OH), and accelerate catalytic oxidation, decompose harmful gases, and achieve semiconductor catalytic effect.
- Purifying negative ionized air through the semiconductor device, and excessive cation and dust again after the reaction process of the particles collected by HEPA filter and the purification efficiency of greater than or equal to 0.5 microns 99% (100,000 Grade), PM2.5 completely removed.

### LAMINAR FLOW TYPE



#### Function

- The kill rate of airborne natural bacteria, Staphylococcus albicans, Staphylococcus aureus, Escherichia coli is  $\geq$  90%.
- HD LCD design with filter replacement and fault alarm function.
- Ultra-thin body design to saves more space.
- Built-in primarily medium and high-efficiency and lysozyme filters for multiple purification.
- Combined with the new deep UV design, sterilization is more completely.
- Adopting German imported double fans design, stable operation, low noise, little vibration and long service life.
- Six-segment timing function to switch machine with automatically cycle, more convenient to use.
- Displaying air volume mode working status, wind speed option with high, medium and low.
- It can be install in three ways: vertical, hanging, ceiling by customers.

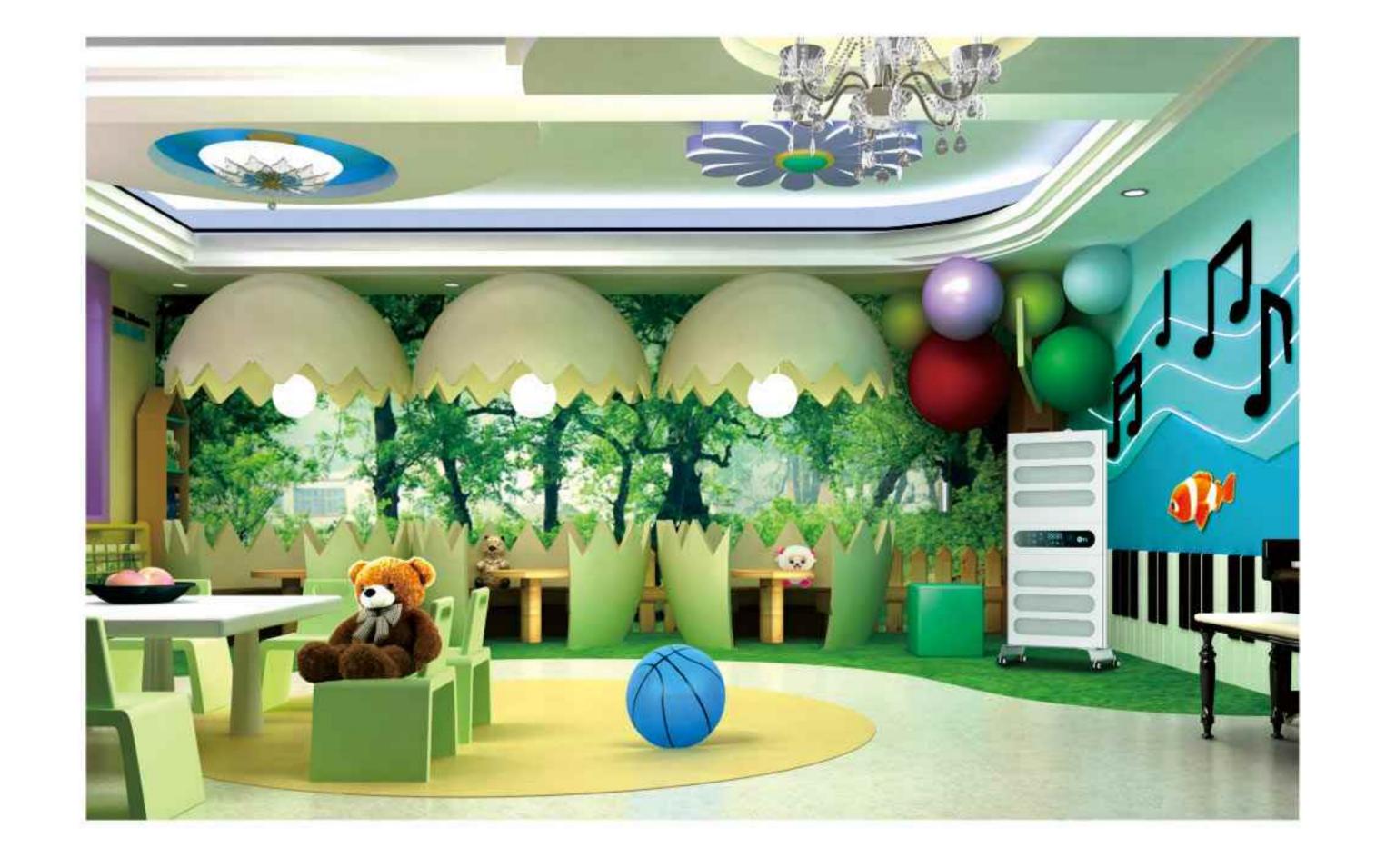
#### **Model And Parameters**

Illana	Model
Item	VBY-C-600
Air Circulation Max.	High 600m³/h Medium 400m³/h Low 200m³/h
Recommended Room	≤60m³
Sterilization Rate	≥99.99%(≤0.3 µ m Suspended particle concentration)
Air Cleanliness Class	100 class
Voltage / Frequency	220V ~ 50Hz / 60Hz
Input Power	≤60W
Speed	High, Medium, Low
Noise	$High \leq 55dB(B)$ $Medium \leq 45dB(B)$ $Low \leq 35dB(B)$
Weight	58KG
Dimension	900 × 700 × 1500mm
Туре	Vertical, Hanging, Ceiling By Customers

#### Installation requirements

► At least 20cm from the side to wall, keep less the debris at the entrance



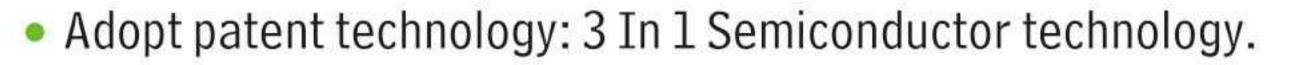


VI STIBAS

#### 3 In 1 Semiconductor







- Built-in antibacterial mold-proof filter to filter dust in the air.
- Adopt microcomputer program control, HD LCD display Imported control chip with PM2.5, air quality, air temperature and humidity monitoring.
- With setting of six timed working hours, timed loop operation.
- Remote control with far distance infrared receiver, can be 45 degrees of arbitrary control.
- The air inlet from top surface, fresh air supply like wind from bottom, so the sterilization is comprehensive.
- In the timed and manual mode, high, medium and low wind speed gears can be selected for operation.
- In the timed and manual mode, individually activated light wave reaction device or semiconductor device can be set.
- Convenient maintenance and maintenance: it can be continue to use afterclean.



Itom			Model	
Item	VBY-B-600	VBY-B-800	VBY-B-1000	VBY-B-1200
Air Circulation Max.	600m³/h	800m³/h	1000m³/h	1200m³/h
Recommended Room	≤60m³	≤80m³	≤100m³	≤120m³
Sterilization Rate			≥90%	
Noise	≤55dB(A)			
UV Lamp Life	≥8000-12000h			
Outer UV Leakage	≤5 µ w/cm²			
Ozone Concentration	$\leq 0.1 \text{mg/m}^3$			
Semiconductor Ionization Voltage		<b>±</b> 5	.0 ~ 10.0KV	
Input Power	≤90W ≤95W ≤100			≤105W
Environment Temperature and Humidity		-5°C ~ ′	45°C ≤90%RH	
Voltage / Frequency	AC220V ± 22V 50Hz / 60Hz			
Dimension	$1000 \times 330 \times 200$ mm 11kgs			
Туре		Wall N	Nounting Type	

#### Installation requirements

▶ The side margin is at least 20cm from the wall and 15cm above the ceiling.







#### Photocatalysis





#### Function

- Adopt quartz glass tube with unique UV sterilization technology.
- Built-in antibacterial mold-proof filter to filter dust in the air.
- Adopt microcomputer program control, HD LCD display.
- Imported control chip with PM2.5, air quality, air temperature and humidity monitoring.
- With setting of six timed working hours, timed loop operation Remote control with far distance infrared receiver, can be 45 degrees of arbitrary control.
- The air inlet from top surface, fresh air supply like wind from bottom, so the sterilization is comprehensive.
- In the timed and manual mode, high, medium and low wind speed gears can be selected for operation.
- In the timed and manual mode, individually activated light wave reaction device
- Convenient maintenance and maintenance: it can be continue to use after clean.

#### **Model And Parameters**

Hama	Мо	del		
Item	VBY-B-800	VBY-B-1200		
Air Circulation Max.	800m³/h	1200m³/h		
Recommended Room	≤80m³	≤120m³		
Sterilization Rate	≥9	90%		
Noise	≤55dB(A)			
UV Lamp Life	≥8000-12000h			
Outer UV Leakage	≤5 µ w/cm²			
Ozone Concentration	≤0.1	mg/m³		
Input Power	≤95W	≤105W		
Environment Temperature and Humidity	-5°C ~ 45°C ≤ 90% RH			
Voltage / Frequency	AC220V ± 22V 50Hz / 60Hz			
Dimension	$1000 \times 330 \times 200$ mm 11kgs			
Туре	Wall Mou	nting Type		

#### Installation requirements

▶ The side margin is at least 20cm from the wall and 15cm above the ceiling.







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#### Function

- Adopt quartz glass tube with unique UV sterilization technology.
- Built-in antibacterial mold-proof filter to filter dust in the air.
- Adopt microcomputer program control, HD LCD display.
- Imported control chip with PM2.5, air quality, air temperature and humidity monitoring.
- With setting of six timed working hours, timed loop operation Remote control with far distance infrared receiver, can be 45 degrees of arbitrary control.
- The air inlet from top surface, fresh air supply like wind from bottom, so the sterilization is comprehensive.
- In the timed and manual mode, high, medium and low wind speed gears can be selected for operation.
- In the timed and manual mode, individually activated light wave reaction device
- Convenient maintenance and maintenance: it can be continue to use after clean.

#### **Model And Parameters**

Item	Model		
item	VBY-B-600	VBY-B-800	
Air Circulation Max.	600m³/h	800m³/h	
Recommended Room	≤60m³	≤80m³	
Sterilization Rate		≥ 90%	
Noise	≤55dB(A)		
UV Lamp Life	≥8000-12000h		
Outer UV Leakage	≤5 µ w/cm²		
Ozone Concentration	≤0.	.1mg/m³	
Input Power	≤100W	≤110W	
Environment Temperature and Humidity	-5°C ~ 45°C ≤ 90%RH		
Voltage / Frequency	AC220V ± 22V 50Hz / 60Hz		
Dimension	780x270x175mm		
Туре	Wall Mo	unting Type	

#### Installation requirements

▶ The side margin is at least 20cm from the wall and 15cm above the ceiling.









#### Function

- Adopt microcomputer program control, timing and automatic operation option.
- Human and machine coexistence: With human being, it can continue operating to sterilize and disinfect.
- Plasma technology of sterilization, high efficiency for dust removal, long life using. Combined with photocatalytic technology, sterilization and disinfection are more thorough.
- The unit number and the number of the remote control can be set to prevent the remote control from controlling multiple machines at the same time.
- In the timed and manual mode, high, medium and low wind speed gears can be selected for operation.
- Power off and restart memory function, clean and malfunction prompt function.
- With automatic power off function when opening the cover, safe and reliable for maintenance and repair.
- Low energy consumption, large amount of dust collection, easy maintenance, only need to clean the plasma electric field regularly.

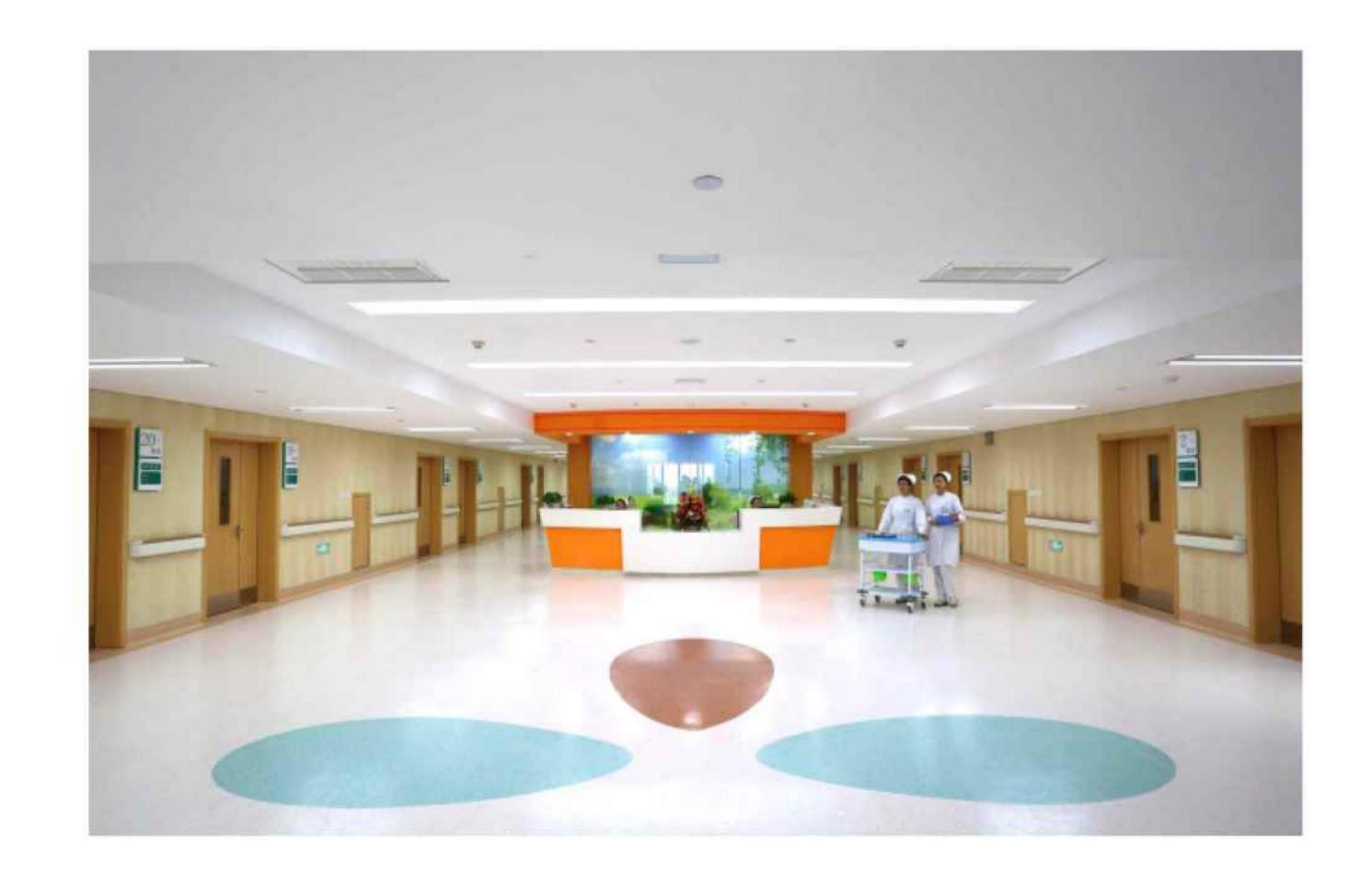
#### **Model And Parameters**

	Мос	del		
Item	VBY-Q-600	VBY-Q-800		
Air Circulation Max.	600m³/h	800m³/h		
Recommended Room	≤60m³	≤80m³		
Sterilization Rate	>	90%		
Noise	≤6	50dB(A)		
UV Lamp Life	≥8000-12000h			
Outer UV Leakage	≤5 µ w/cm²			
Ozone Concentration	$\leq 0.1 \text{mg/m}^3$			
Semiconductor Ionization Voltage	± 5.0	~ 10.0KV		
Input Power	≤120W	≤130W		
Environment Temperature and Humidity	-5 <b>℃</b> ~ 45	°C ≤90%RH		
Voltage / Frequency	AC220V ± 22V 50Hz / 60Hz			
Dimension	635x635x355mm			
Installation Dimension	600 × 600 × 380mm			
Туре	Ceili	ing Type		

#### Installation requirements

- Split type ceiling, if it is a whole ceiling, it needs to be opened hole and equipped with maintenance access.
- The height of the ceiling from the floor is not less than 50cm, and there is no central air-conditioning pipe and firefighting pipe in the installation position.







### CEILING TYPE





#### Function

 Patent technology new design: fresh air outlet from four directions, air inlet from middle, comprehensive sterilization.

3 In 1 Semiconductor

- Adopt microcomputer program control, timing, automatic and manual operation option.
- Human and machine coexistence: With human being, it can continue operating to sterilize and disinfect.
- 3 In 1 Semiconductor technology of sterilization, high efficiency for dust removal, long life using.
- The unit number and the number of the remote control can be set to prevent the remote control from controlling multiple machines at the same time.
- Time, date, temperature and humidity, PM2.5 content, maintenance and malfunction operation HD LCD display.
- Power off and restart memory function, clean and malfunction prompt function.
- With automatic power off function when opening the cover, safe and reliable for maintenance and repair.
- Low energy consumption, large amount of dust collection, easy maintenance, only need to clean the semiconductor electric field regularly.

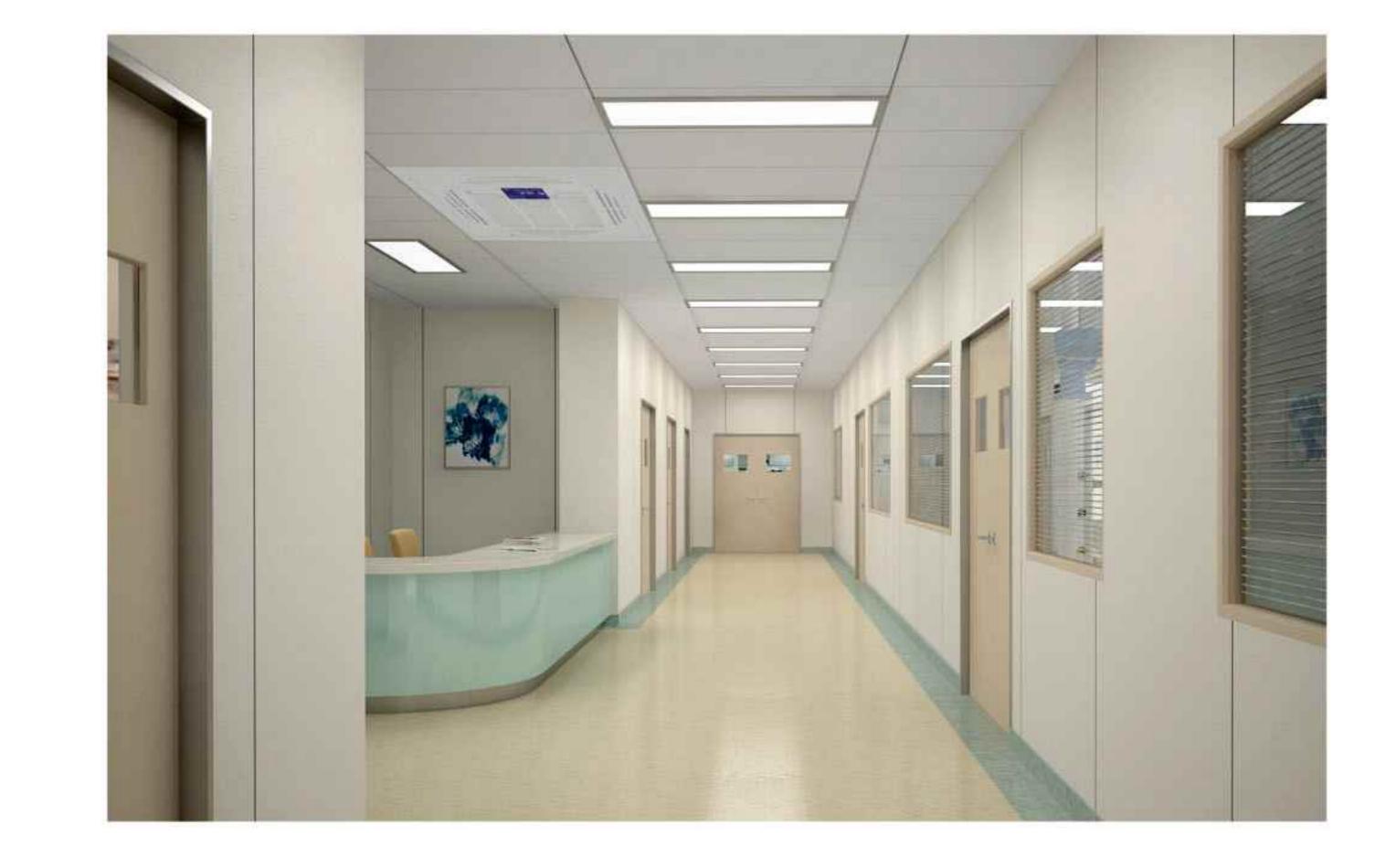
#### **Model And Parameters**

		Model		
Item	VBY-Q-600	VBY-Q-800	VBY-Q-1000	
Air Circulation Max.	600m³/h	800m³/h	1000m³/h	
Recommended Room	≤60m³	≤80m³	≤100m³	
Sterilization Rate		90% (0.5 µ m Suspended Particle Concen	tration)	
Noise		≤60dB(A)		
UV Lamp Life	≥8000-12000h			
Outer UV Leakage	≤5 µ w/cm²			
Ozone Concentration	$\leq 0.1 \text{mg/m}^3$			
Semiconductor Ionization Voltage		± 5.0 ~ 10.0KV		
Input Power	≤150W	≤160W	≤190W	
Environment Temperature and Humidity		-5°C ~ 50°C ≤90%RH		
Voltage / Frequency		AC220V ± 22V 50Hz / 60Hz		
Dimension	645 × 645 × 380mm 34kgs			
Installation Dimension	600 × 600 × 380mm			
Туре		Ceiling Type		

#### Installation requirements

- Split type ceiling, if it is a whole ceiling, it needs to be opened hole and equipped with maintenance access.
- The height of the ceiling from the floor is not less than 50cm, and there is no central air-conditioning pipe and firefighting pipe in the installation position.







#### Function

- Patent technology new design: Four direction fresh air out, middle air in, comprehensive sterilization.
- Adopt microcomputer program control, timing and automatic operation option.
- Human and machine coexistence: With human being, it can continue operating to sterilize and disinfect.
- Plasma technology of sterilization, high efficiency for dust removal, long life using.
- The unit number and the number of the remote control can be set to prevent the remote control from controlling multiple machines at the same time.
- In the timed and manual mode, high, medium and low wind speed gears can be selected for operation.
- Power off and restart memory function, clean and malfunction prompt function.
- With automatic power off function when opening the cover, safe and reliable for maintenance and repair.
- Low energy consumption, large amount of dust collection, easy maintenance, only need to clean the plasma electric field regularly.

#### **Model And Parameters**

Itam	Model
Item	VBY-Q-1600
Air Circulation Max.	1600m³/h
Recommended Room	≤160m³
Noise	≤55dB(A)
Ozone Concentration	< 0.1mg/m <sup>3</sup>
Plasma Intensity	$1.05 \times 10^{17}$ - $4.02 \times 10^{17}$ m <sup>-3</sup>
Input Power	≤200W
Voltage / Frequency	220V-50Hz / 60Hz
Net Weight	49KGS
Dimension	1240 × 655 × 375mm
Installation Dimension	$1200 \times 600 \times 375$ mm
Туре	Ceiling Type

#### Installation requirements

- Split type ceiling, if it is a whole ceiling, it needs to be opened hole and equipped with maintenance access.
- The height of the ceiling from the floor is not less than 50cm, and there is no central air-conditioning pipe and firefighting pipe in the installation position.









#### 3 In 1 Semiconductor



#### Photocatalysis



#### Function

- Patent Appearance: Overall stamping and baking process, anti-aging.
- Semiconductor plasma and UV light wave reactor disinfection and purification technology.
- Microcomputer program control, large screen LCD display, touch screen operation, more convenient for Human and machine coexistence.
- With setting of six timed working hours function, and can be switched with manualor automatic mode.
- Coexistence of human and machine: It can be continuously and dynamically disinfected and purified.
- The air outlet is designed with a 45 degree beveled air outlet to circulate the airthroughout the room and the disinfection area is larger.
- Displaying air volume mode working status, wind speed option with high, mediumand low.
- With function of maintenance reminders, sterilization factor cleaning tips, faultalarms, etc.
- The core semiconductor device is permanently used, does not need to be replaced, and just need to clean up regularly.

#### **Model And Parameters**

II.o.ma	Model			
Item	VBY-G-800	VBY-G-1500		
Air Circulation Max.	800m³/h	1500m <sup>3</sup> /h		
Recommended Room	≤80m³	≤150m³		
Sterilization Rate	≥99.9% (0.5 µ m Suspended Particle Concentration)			
Noise	≤60dB(A)			
UV Lamp Life	≥8000-12000h			
Outer UV Leakage	≤5 µ w/cm²			
Ozone Concentration	$\leq 0.1 \text{mg/m}^3$			
Semiconductor Ionization Voltage	± 5.0 ~	~ 10.0KV		
Input Power	≤190W	≤270W		
Environment Temperature and Humidity	-5°C ~ 45°C ≤ 90%RH			
Voltage / Frequency	AC220V ± 22V 50Hz / 60Hz			
Dimension	458 × 348 × 3	1080mm 42kg		
Туре	Cabine	et Type		

#### Installation requirements

At least 20cm from the side to wall, keep less the debris at the entrance







#### Function

- With time setting function, and can be switched with manual or automatic mode.
- Coexistence of human and machine: It can be continuously and dynamically disinfected and purified.
- The air outlet is designed with a 45 degree beveled air outlet to circulate the air throughout the room and the disinfection area is larger.
- Fresh air supply like wind flow, so the sterilization is comprehensive.
- In the timed and manual mode, high, medium and low wind speed gears can be selected for operation.
- In the timed and manual mode, individually activated UV light and photocatalysis can be set.
- Power off and restart memory function, clean and malfunction prompt function.

#### **Model And Parameters**

	Model
Item	VBY-Y-1500
Air Circulation Max.	1500m³ / h
Recommended Room	≤150m³
Noise	≤65dB (A)
UV Lamp Life	≥8000h
UV InTensity	$48 \sim 54 \mu \text{ w/cm}^2 (1 \text{ meter Distance})$
Outer UV Leakage	$\leq$ 5w/cm <sup>2</sup>
Ozone Concentration	$\leq 0.1 \text{mg/m}^3$
Negative Lon InTensity	$10 \times 10^6 \mathrm{pcs/m^3}$
Input Power	≤170W
Voltage / Frequency	220V ~ 50Hz / 60Hz
Disinfection Time	90 mins
Dimension	540 x 420 x 840mm 23kgs
Туре	Mobile

#### Installation requirements

► At least 20cm from the side to wall, keep less the debris at the entrance





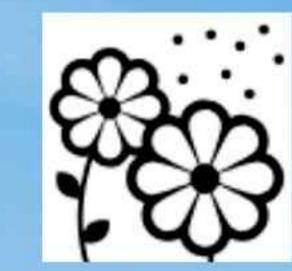


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### Beniffit From Advanced Filtration

- Reduces allergy irritating particles
- captures dust, mold spores, pet dander, dust mite debris and more
- lessens odors from pollution and smog
- improves indoor air quality

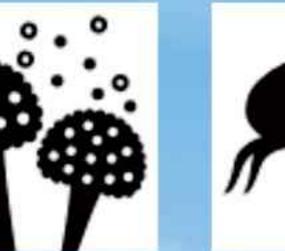
#### Filters the following

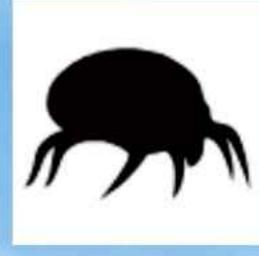


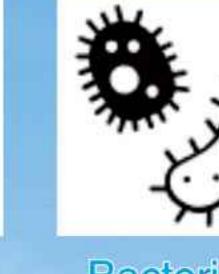














Pet dander Cooking oil smoke Virus carriers



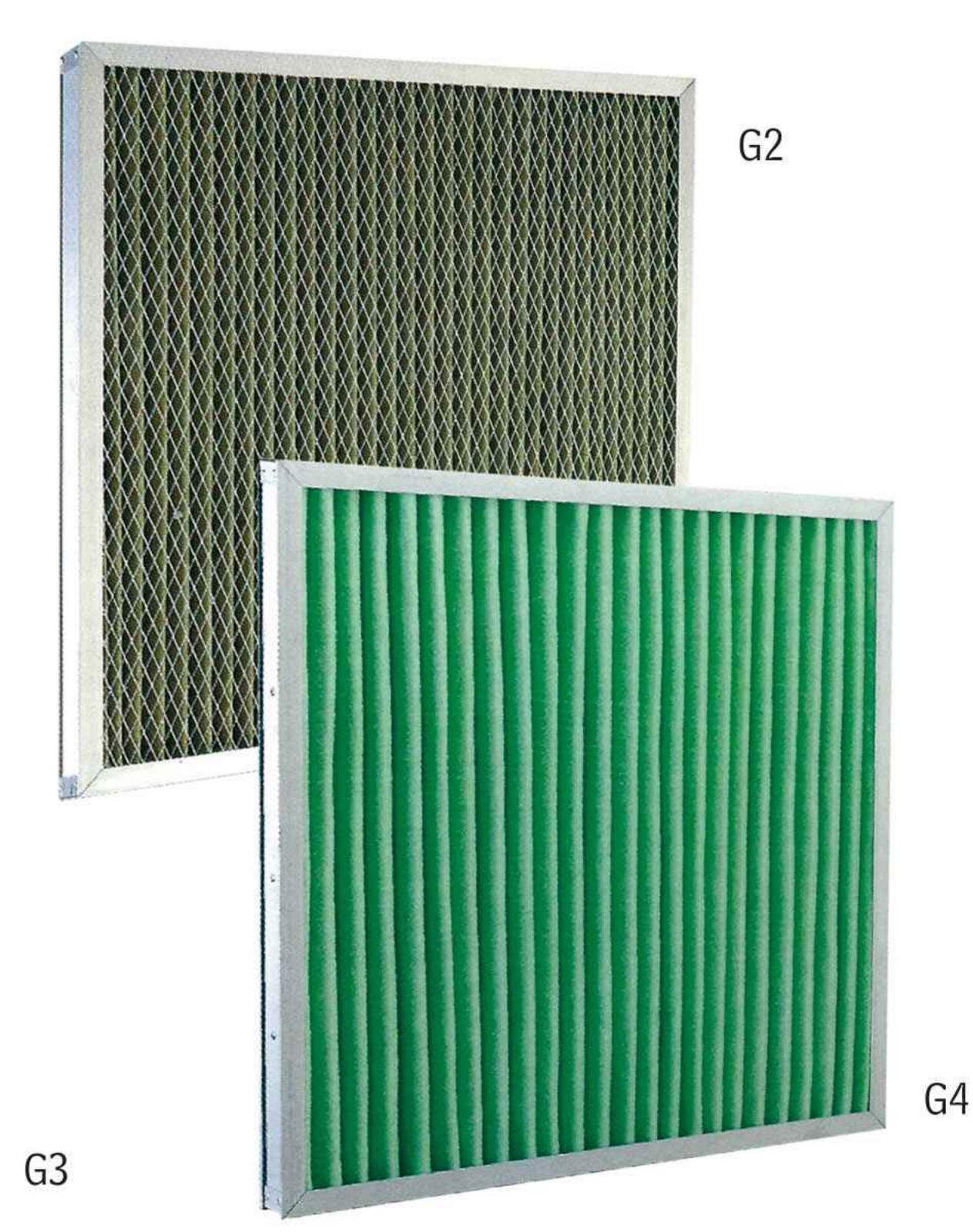






- PRIMARY FILTER





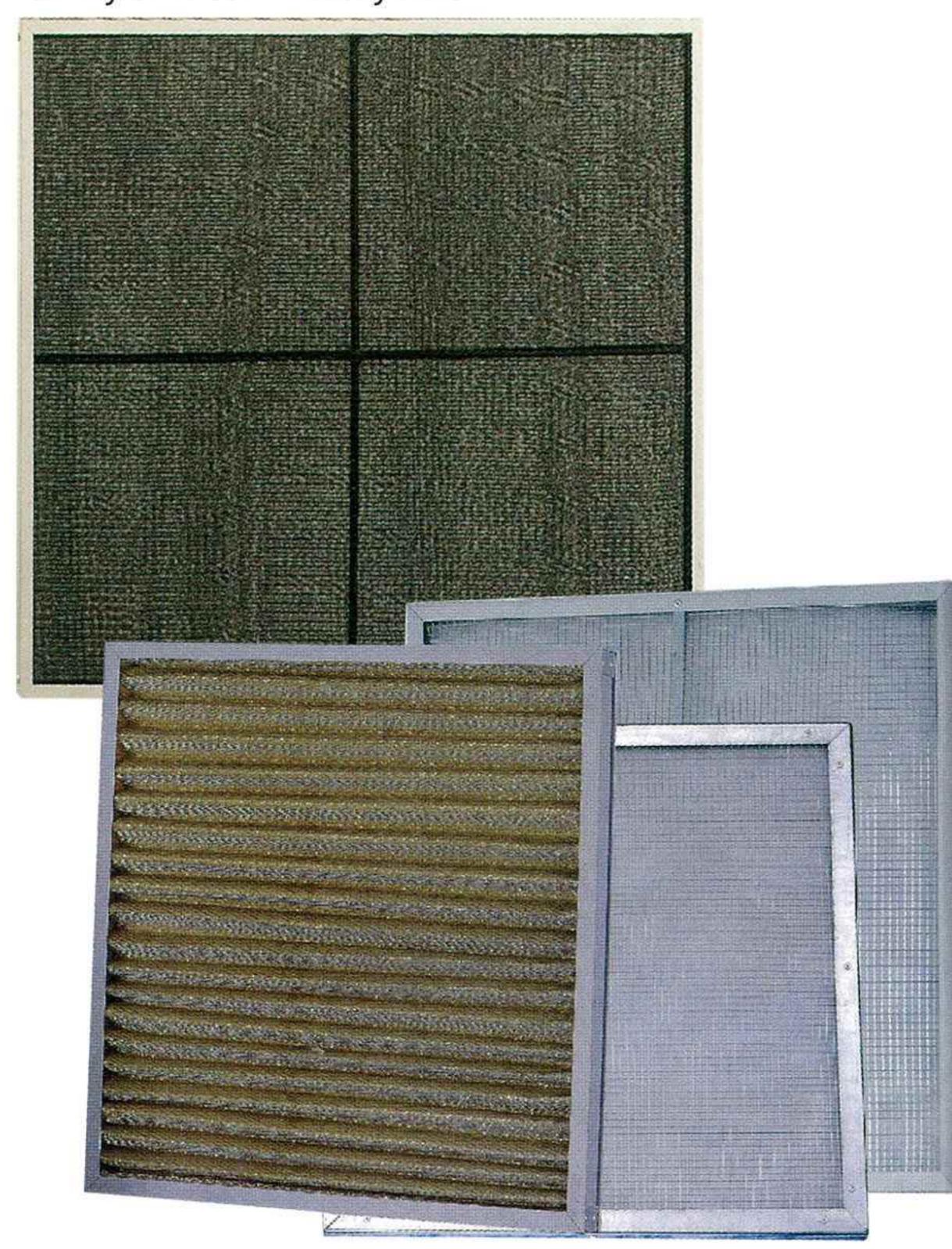


			Pressure Filter efficiency(%)			Material			
Model	Dimensions(mm) W × H × D	Air Flow(m³/h)	Differentialrange(MPa)	En779	Filter efficiency(%) En779		Filter Material	Filter Material	
	595×595×21	3200						Double-sided	
	595×495×21	2700		40	40		Paper	G1 Grade	Sprayed iron wire
G1	595×295×21	1600	25	40 Weighting method	G1	Aluminum alloy	Non-woven		
	495×495×21	2200		vvergitting method		galvanized plate	fabric	Double-sided galvanized wire mesh	
	295×295×21	800		-				garvarrizeu wire mesn	
	595 × 595 × 46	3200					G2 Grade	Double-sided	
	595 × 495 × 46	2700		70	70	Paper		Sprayed iron wire	
G2	595 × 295 × 46 1600 25 Weighting method G	G2	Aluminum alloy	Non-woven					
	495 × 495 × 46	2200		vvoighting mothod		galvanized plate	fabric	Double-sided galvanized wire mesh	
	295 × 295 × 46	800						garvariized wire mesii	
	595 × 595 × 46	3200				Paper G3 Aluminum alloy galvanized plate	G3 Grade Non-woven fabric	Double-sided	
	595 × 495 × 46	2700		O.F.				Sprayed iron wire	
G3	595 × 295 × 46	1600	30	85 Weighting method	G3				
	495 × 495 × 46	2200		vveigning method				Double-sided	
	295 × 295 × 46	800						galvanized wire mesh	
	595 × 595 × 46	3200						Double-sided	
	595 × 495 × 46 2700	00		Paper	G4 Grade	Sprayed iron wire			
G4	595 × 295 × 46	1600	25	90 Weighting method	G4	Aluminum alloy	Non-woven		
	495 × 495 × 46			galvanized plate	fabric	Double-sided galvanized wire mesh			
	295 × 295 × 46	800						gaivanizeu wire mesn	

Note: It can be customized according to the specific requirements. The actual color of the filter material may differ with the color on the picture, taking actual product as standard.

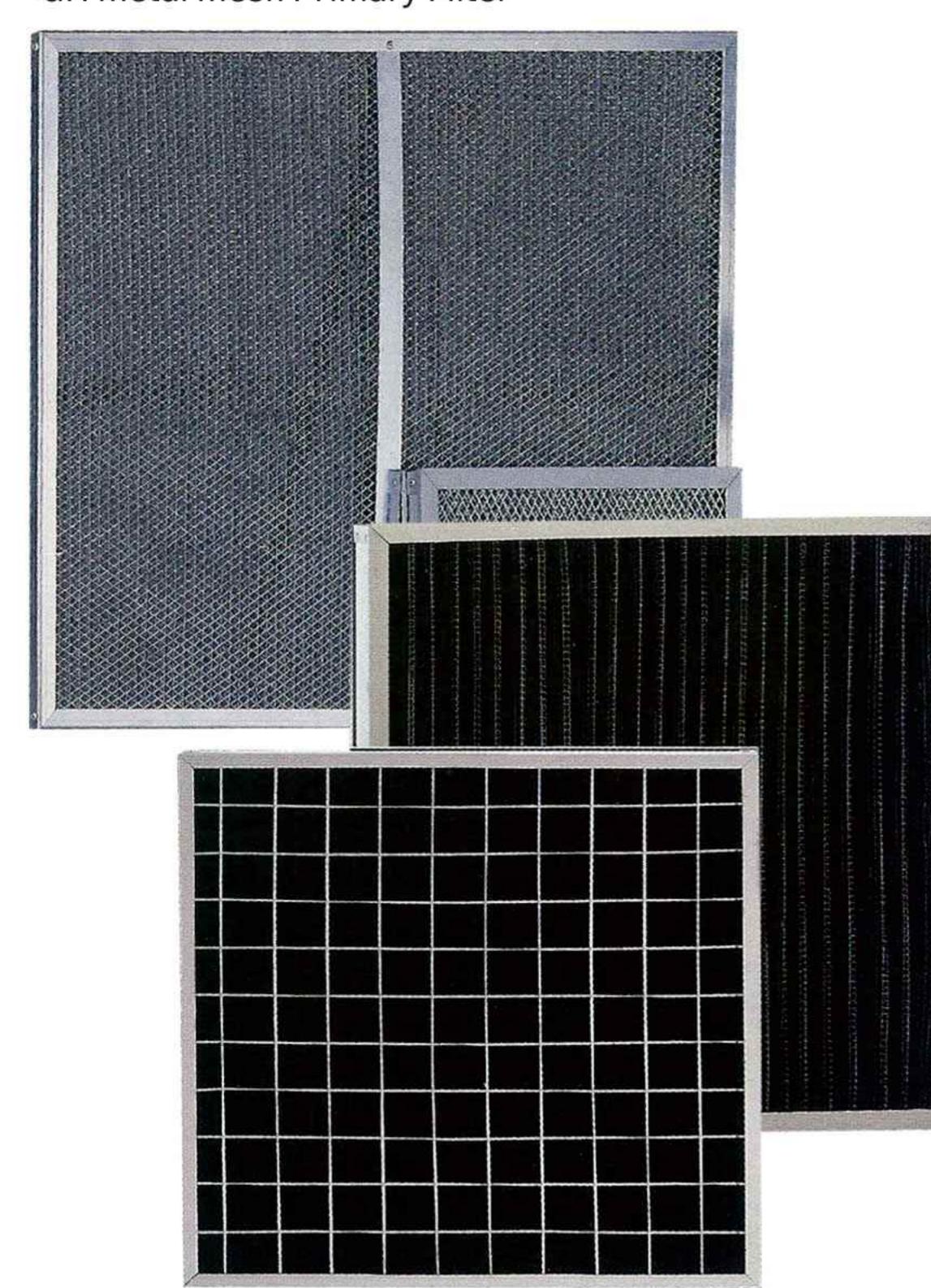
### PRIMARY FILTER

GN Nylon Mesh Primary Filter



GT High Temperature Resistance Primary Filter

#### GH Metal Mesh Primary Filter



GC Activated Carbon Primary Filter

#### Specification

Madal	Dimensions(mm)	Air Flow(m³/h)	Pressure		Material		
Model	W×H×D	All Flow(III / II)	Differentialrange(MPa)	Outer Frame	Filter Material		
	595 × 595 × 50						
CN	$500 \times 500 \times 50$	_	Aluminum alloy	Mulan mach			
GN	495 × 495 × 15			galvanized plate	Nylon mesh		
	$480 \times 480 \times 15$						
	595 × 595 × 21						
CII	$595 \times 495 \times 21$	<u> </u>		Aluminum alloy or Stainless frame	N/atal as a sh		
GH	595 × 295 × 21			galvanized plate	Metal mesh		
	495 × 495 × 21						
	$595 \times 595 \times 50$						
CT	$500 \times 500 \times 50$	_	Aluminum alloy or Temperature resistant	Temperature resistant glass long fiber			
GT	495 × 495 × 15	07 DE		Stainless frame galvanized plate	High temperature resistant short glass fiber		
	$480 \times 480 \times 15$						
	595 × 595 × 46	3200					
	595 × 495 × 46	2700		Aluminum alloy galvanized plate  Active felt			
CC	595 × 295 × 46	1600	40		Δςτινο τοι	A ative falt	
GC	495 × 495 × 46	2200	40			Active feit	
	495 × 295 × 46	1300					
	295 × 295 × 46	800					

Note: Accept Customized.

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### MEDIUM EFFICIENCY FILTER

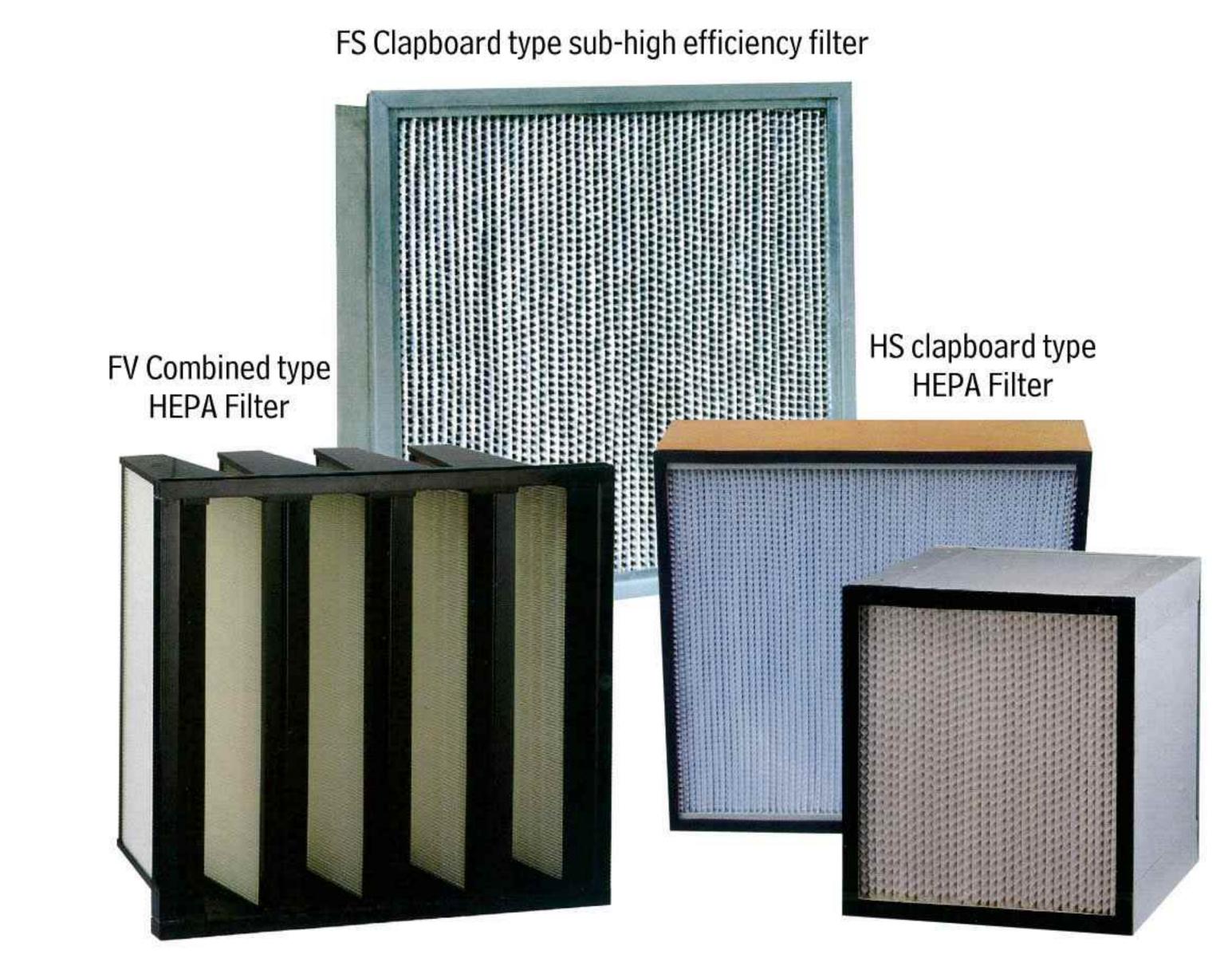


	Dimensions(mm)	Λ: ΕΙαν(3 /I.)	DCC	Pressure	Filtor officionav(%) En	770	Mate	erial
Model	W×H×D	Air Flow(m³/h)	PCS	Differentialrange(MPa)	Filter efficiency(%) En	119	Outer Frame	Filter Material
	595 × 595 × 600	3200	6				Aluminum alloy galvanized plate	
	595 × 595 × 600	2700	5		40 Weighting method			
F5	$595 \times 495 \times 600$	2500	6	25		F5		F5 Non-woven fabric
	$495 \times 295 \times 600$	1600	6				garramzea piace	TVOIT WOVEITTABITE
	$495 \times 295 \times 600$	1300	4					
	$595 \times 595 \times 600$	3200	6					
	$595 \times 595 \times 600$	2700	5	55	60-70 Colorimetric method		Alimaian allan	
F6	595 × 495 × 600	2500	6			F6	Aluminum alloy galvanized plate	F5 Non-woven fabric
	495 × 295 × 600	1600	6				garvariizea piate	INOIT WOVEIT IDDITE
	$495 \times 295 \times 600$	1300	4					
	595 × 595 × 600	3200	10		80-85 Colorimetric method		Aluminum allau	
	$595 \times 595 \times 600$	2700	8	110				FE
F7	$595 \times 495 \times 600$	2500	10			F7	Aluminum alloy galvanized plate	F5 Non-woven fabric
	$495 \times 295 \times 600$	1600	10					
	$495 \times 295 \times 600$	1300	8					
	595 × 595 × 600	3200	10				Aluminum alloy galvanized plate	F5 Non-woven fabric
	$595 \times 595 \times 600$	2700	8					
F8	$595 \times 495 \times 600$	2500	10	120	90-95 Colorimetric method	F8		
	495 × 295 × 600	1600	10		Colorinetric method		garvariizea piate	
	495 × 295 × 600	1300	8					
	595 × 595 × 600	3200	6					
	595 × 795 × 600	2700	6		97-98 Colorimetric method		A 1	
F9	595 × 295 × 600	1600	6	120		F9	Aluminum alloy galvanized plate	
	495 × 495 × 600	2200	4					TAUTI WOVEITIADITE
	495 × 295 × 600	1300	4					

Note: It can be customized according to the specific requirements. The actual color of the filter material may differ with the color on the picture, taking actual product as standard.

### HONEYCOMB ACTIVATED CARBON / HEPA FILTER

Honeycomb Activated Carbon Filter



#### Specification

	Honeycomb activated carbon Filter										
Frame	Support	Mesh		Effecti	veness	Color		Material	Temperature resistance		
Aluminum frame Galvanized Frame Stainless steel frame Paper frame	Aluminum honeycomb Paper honeycomb Plastic honeycomb	Double-sided nylon mesh Or activated carbon filter cotton protection		G2-G4 Blake		Blake	JH Columnar carbon		≪80°C		
Dimensions W × H × D	595 × 595 × 1	595 × 595 × 15 595 × 595 × 21			595 × 595 × 46			595 × 595 × 50			
Application		The honeycomb activated carbon can remove pollutants (nitrogen oxide, carbon tetrachloride, chlorine, benzene, diformaldehyde, acetone, ethanol, ether, methanol, acetic acid, ethyl ester, styrene, phosgene, malodorous gas, etc.) To varying degrees.									
Principle	Large-area, microporous structure, high adsorption capacity, high surface activated carbon products, commonly used in air pollution control.  The honeycomb activated carbon adsorption method is adopted, that is, the exhaust gas is in contact with the porous activated carbon having a large surface, and the pollutants in the exhaust gas are adsorbed and decomposed, thereby purifying.										
Precautions	<ol> <li>After using the honeycomb activated carbon filter for a period of time, it can be reused after exposure to sunlight for a period of time.</li> <li>The honeycomb activated carbon filter of the paper frame is as disposable as possible.</li> </ol>										

Note: Accept Customized.

Model	Dimensions(mm)	Clapboard	Air Elou(m³/h)	Pressure	Filter	Material				
Model	W×H×D	No	Air Flow(m³/h)	Differentialrange(MPa)	Efficiency(%)	Filter Material	Separator	Sealant	Outer Frame	
	595×595×150	_	3000		99.5% Sodium flame method	PP Filter Material	Rubber			
FS	$495\times495\times150$	=	2100	≤120(F7)			Foil paper	Polyurethane	Aluminum plated	
гэ	$295\times595\times150$		1500				aluminum plate	Glue	zinc plate	
	$295 \times 295 \times 150$		730							
FV	592×592×292	4	3600	≤120(F7)	60-65% F6 80-85% F7	PP	Hot melt	Polyurethane	Polystyrene frame or	
Į V	295×595×295	4	1800	~120(17)	90-95%F8 < 95%F9	Filter Material	adhesive	Glue	galvanized steel	
	$320 \times 320 \times 220$	===	400		00.00	Glass iron Filter paper PP Filter material	Aluminum	Polyurethane	Mezzanine plate Galvanized steel plate Stainless steel plate Aluminum alloy plate	
	$484 \times 484 \times 220$		1000							
	$610 \times 610 \times 150$		1000	≤220						
ЦС	$820 \times 600 \times 150$		1200		99.99		paper or			
HS	$630 \times 630 \times 220$	:	1500		Sodium flame method		adhesive Glue paper	Glue		
	968 × 484 × 220	=	2000						Aluminum alloy profile	
	$945 \times 630 \times 220$	-	2200						Aluminum andy prome	
	$1260 \times 630 \times 200$	<u>1—-</u>	3000							

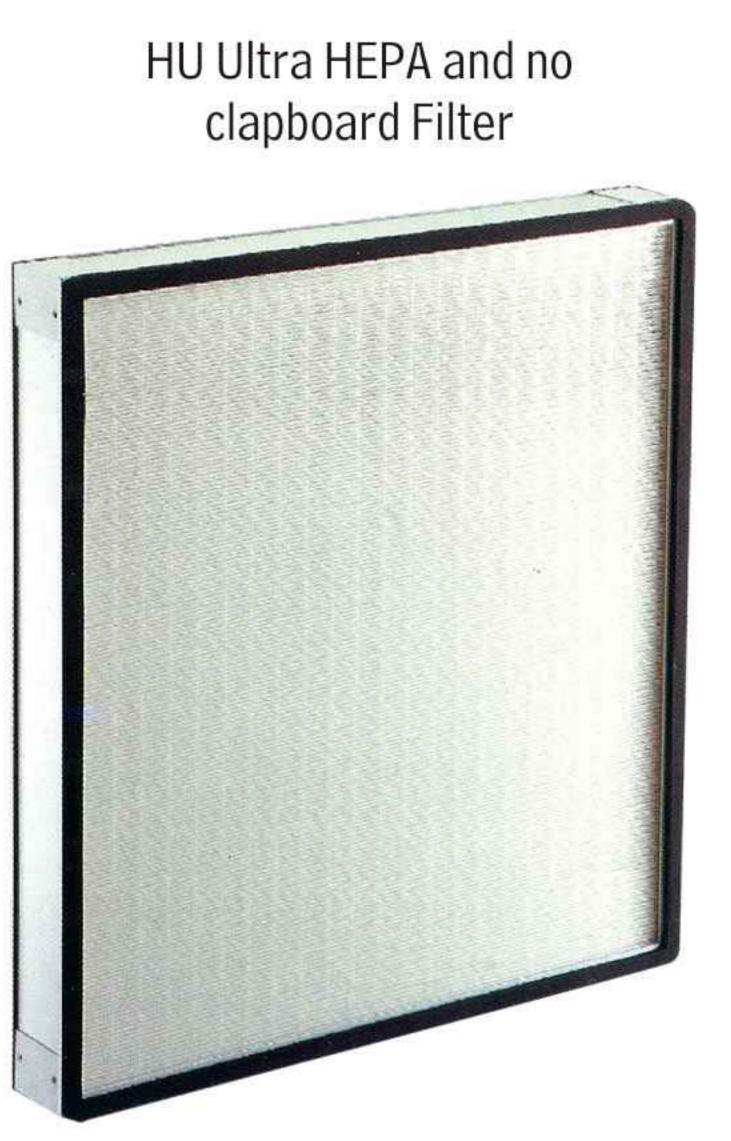
Note: Accept Customized.



### HEPA FILTER

HR Ultra low resistance and no clapboard HEPA Filter







Frame	Sealant	Separator	Filter Material	The Highest Temperature	The Highest Humidity	Sealing strip
Aluminum frame	Polyurethane Glue	Hot melt adhesive	Glass filter paper	80℃	100%	Neoprene

Model	Dimensions(mm) W × H × D	Air Flow(m³/h)	Dust collection capacity g	Surface wind speed m/s	Initial Resistance Pa	Final Resistance Pa	Effectiveness % 0.3 μ m	
	610 × 610 × 50	800	About 450	0.60				
	915 × 610 × 50	1200	About 450	0.60				
	610 × 610 × 69	1000	About 450	0.75				
HR	915 × 610 × 69	1500	About 450	0.75	≤160	400	99.99% Above	
	1170 × 570 × 69	1600	About 450	0.97				
	915 × 610 × 90	1900	About 450	0.97				
	1220 × 610 × 100	2600	About 450	0.97				
	610 × 610 × 50	470	About 450	0.35				
	915 × 610 × 50	700	About 700	0.35				
	610 × 610 × 69	600	About 650	0.45				
HU	915 × 610 × 69	900	About 950	0.45	≤170	400	99.9995%	
	1170 × 570 × 69	800	About 800	0.6			Above	
	915 × 610 × 90	1200	About 1100	0.6				
	1220 × 610 × 100	1600	About 1600	0.6				

	Madal	Dimensions(mm) W × H × D	Clapboard No	Air Flour(m <sup>3</sup> /h)	Pressure	Filter	Material				
	Model			All Flow(III / II)	Pressure Differentialrange(MPa)	efficiency(%)	Filter Material	Separator	Sealant	Outer Frame	
		$295 \times 595 \times 295$	4	1000	≤120		Glass filter paper	Hot melt		Polystyrene frame Galvanized steel plate Stainless steel plate	
	HV	$595 \times 595 \times 295$	4	2100		99.99% Sodium flame method					
	111	$595 \times 595 \times 295$	5	2700				adhesive		Aluminum alloy plate	
		$610 \times 610 \times 295$	5	3200						Aluminum alloy profile	

Note: Accept Customized.

### Industrial Air Purifier

Meet the needs of different environments and conditions professional purification equipment provide a comprehensive solution

Independent research and development leading technology

Waste Gas Treament Effect Of Visual Inspection Up To 97%

Strict And Stringent Safety Testing

Continuous operation extremely stable

Application of VOCS emissions, foul gases, industrial oil mist fluw gas, food fumes and other environmental pollution problems



### ACTIVATED CARBON ADSORPTION TOWER HXF

The equipment is an adsorption device for purifying relatively high concentration organic exhaust gas and paint exhaust gas. It utilizes the high-strength adsorption force of activated carbon itself, and combines the action of the fan to adsorb the organic exhausted gas molecules, and has a good adsorption effect on the exhaust gases of organic solvents such as benzene, alcohol, ketone, ester and gasoline.

#### Feature

- The removal rate can be as high as 90% or more.
- This equipment is suitable for the treatment of continuous and inter mittent exhaust gas.
- High adsorption efficiency, wide application range, convenient maintenance, and can handle a variety of mixed exhaust gases at the same time.
- The tower body can be made of stainless steel/plastic (PP.PVC) and other materials according to the actual situation.
- The structure of activated carbon filter material layer adopts drawer box design, compact structure and easy replacement.

#### Scope of application:

Painting, printing, electromechanical, home appliances, shoes, plastics and various chemical workshops, the elimination of the odor of harmful organic exhausted gas emitted from volatile materials, the use of lower concentration, not suitable for direct combustion of catalytic combustion and The organic exhausted gas adsorbed and recovered, especially for the treatment of low concentration, can obtain satisfactory economic and social benefits.

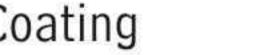












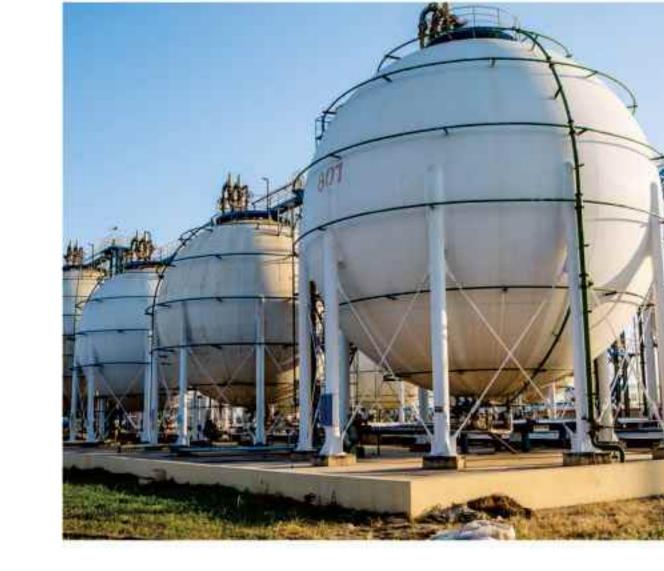
Painting

Printing

Home appliance









nk

Chemical industry

Petrochemica

Medicin

### UV PHOTOCATALYST AIR PURIFIER

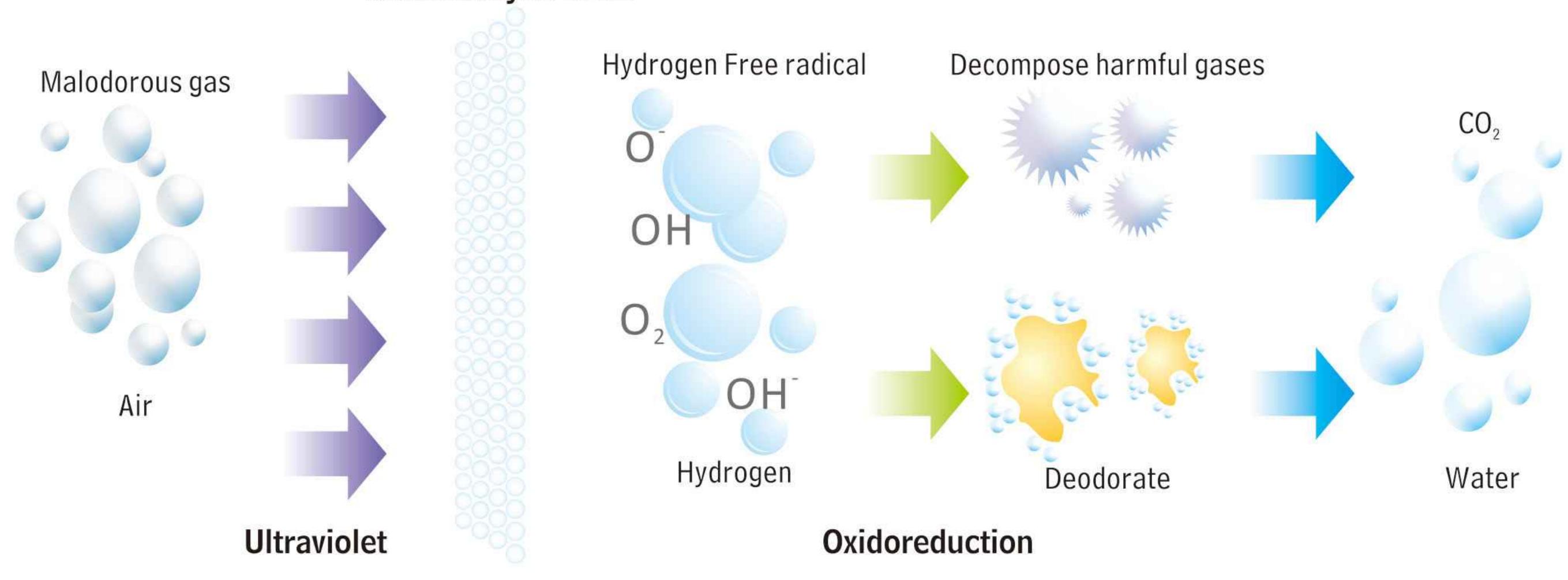
#### Ultraviolet photolysis working principle

Using a special high-energy high-ozone UV ultraviolet light beam to irradiate the malodorous gas, changing the molecular chain structure of the malodorous gas, and make the molecular chain of the organic or inorganic high-molecular malodorous compound be converted into a low molecular compound such as CO<sub>2</sub>,H<sub>2</sub>O and so on under the irradiation of a high-energy ultraviolet light beam.

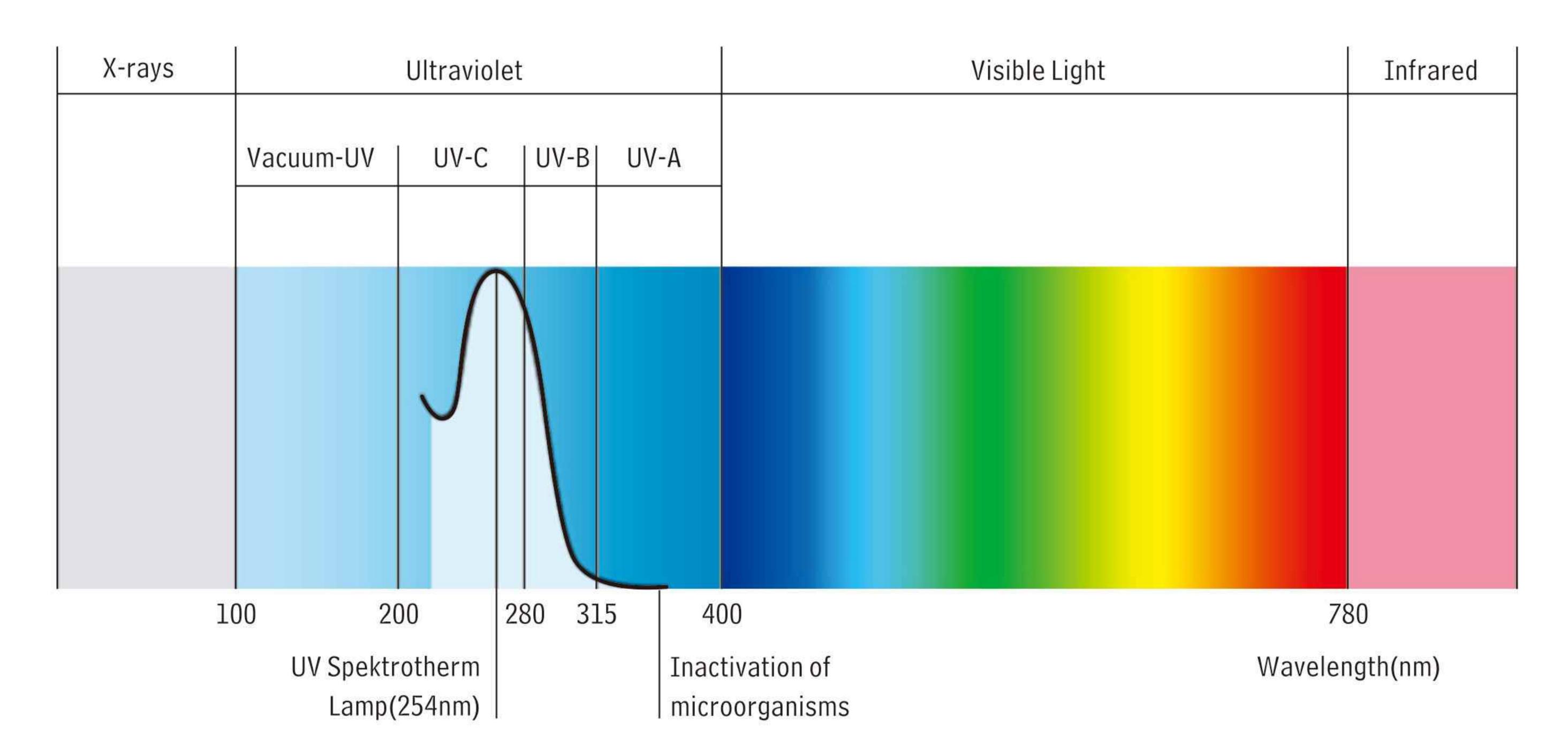


Air volume 5000-60000m³/h

#### Nanocatalytic Mesh



### UV PHOTOCATALYST AIR PURIFIER



The ultraviolet C-band (185 nm) beam reacts with oxygen in the air to form ozone for sterilization.

#### Feature

- Equipment box surface cold plate 2.0mm electrostatic powder spray / 201#304# stainless steel mechanical polishing process
- Germany imported UV technology + TiO<sub>2</sub> photocatalyst filter, deodorization Rate > 99%, no secondary pollution
- U-type UV lamp, special ballast protection, long life of 12000 hours
- Insulator cored porcelain bottle, digital power safety protection, equipment personal double insurance
- ISO certification, CEP environmental certification, AAA quality products



#### Scope of application:

Various types of industrial spraying, plastic recycling, injection molding, chemical industry, printing, printing, silk screen volatile organic exhausted gas; deodorization purification treatment of various malodorous gases. Decontamination and sterilization of organic exhausted gas from various factories, exhaustedwater treatment stations, hospitals, garbage transfer stations, etc.

### ELECTROSTATIC AIR PURIFIER

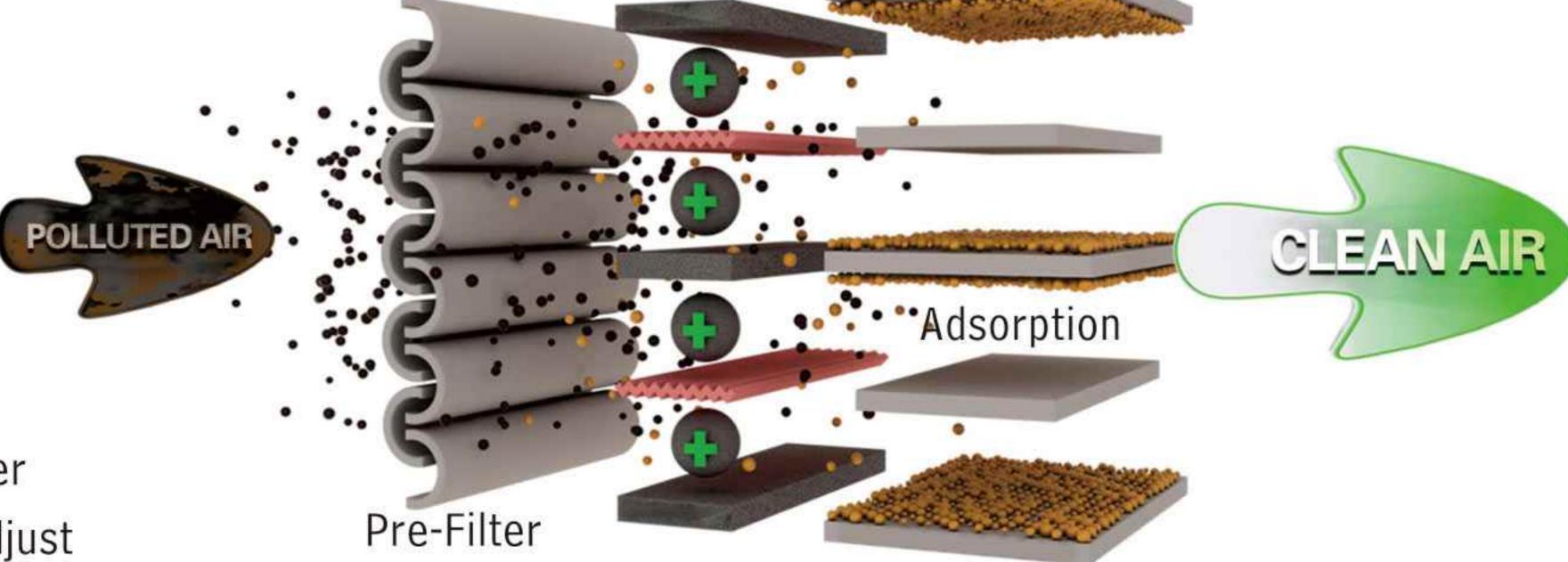
#### Working principle

The soot gas discharged and enter the fume purification device, first enters the charging treatment zone, in which the removal efficiency of oil droplets and other polluted particles with a diameter greater than 0.9 µm, and the charge treatment zone is mainly The process of removing the oil droplets of Dazhong Granules and the saturation charging of fine oil droplets and odor molecules was completed, and the multi-stage treatment completely achieved the visual inspection without oil fumes.



#### ■ Feature

- Carbon steel 1.8~2.2mm high temperature electrostatic spraying or stainless steel grinding (304#201#)
- Plate electric field, 95% high catering Fume purification efficiency, no secondary pollution
- New DC plus pulse dedicated purification power supply, control system can be automatically adjust



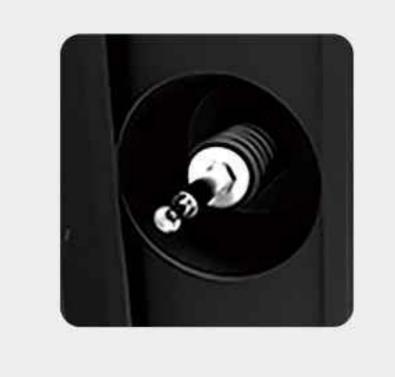
- Corrosion-resistant, high-temperature resistant with insulation materials, special ceramic battery, power failure protection, safety
- ISO certification, CEP environmental protection Certification, AAA quality products

# High Purification Rate 95%

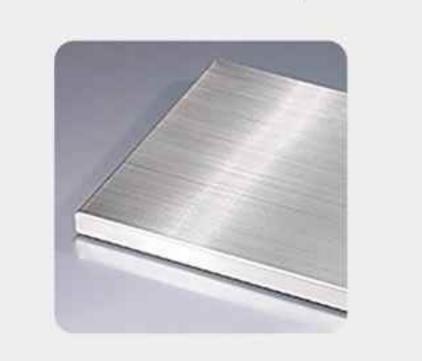
Convenient Install and Maintain



High Security



Power Supplied With Different Units Group



Low Operation Cost



Pre-Filter Plate 2-4year Lifetime



Intelligent Operation

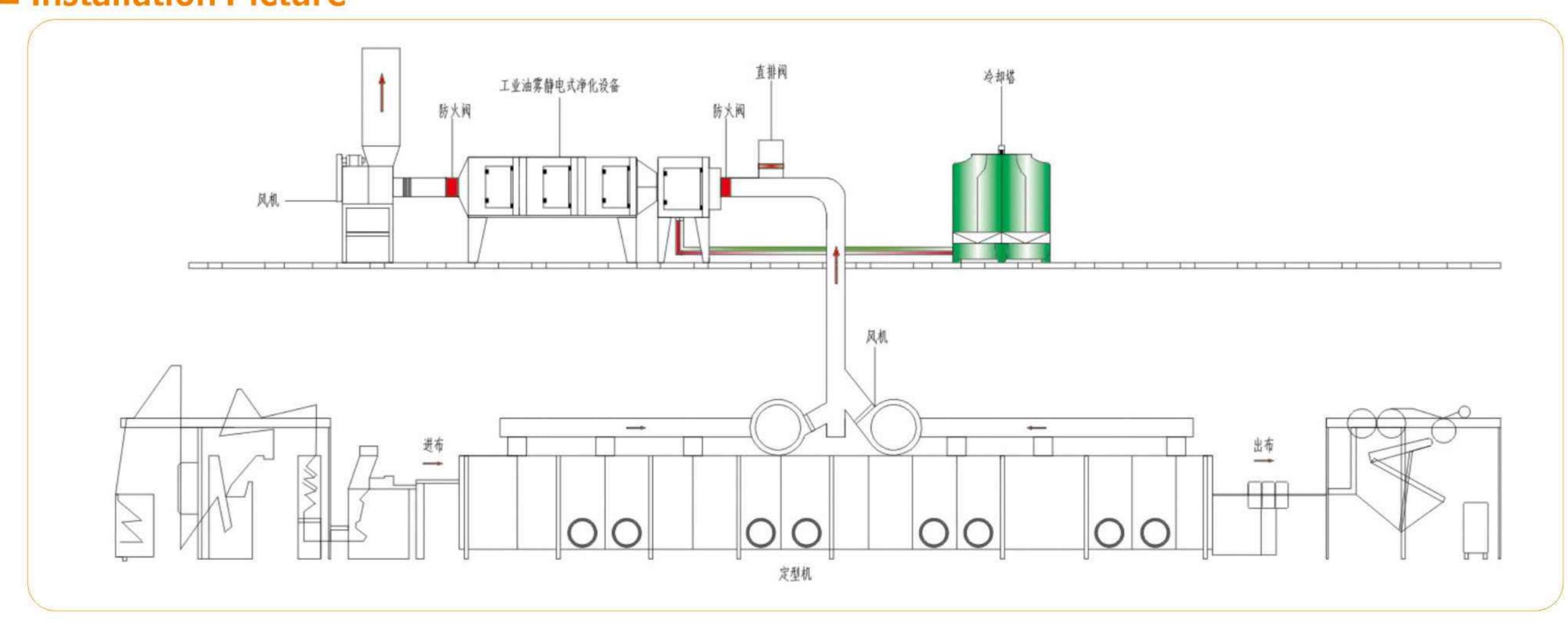


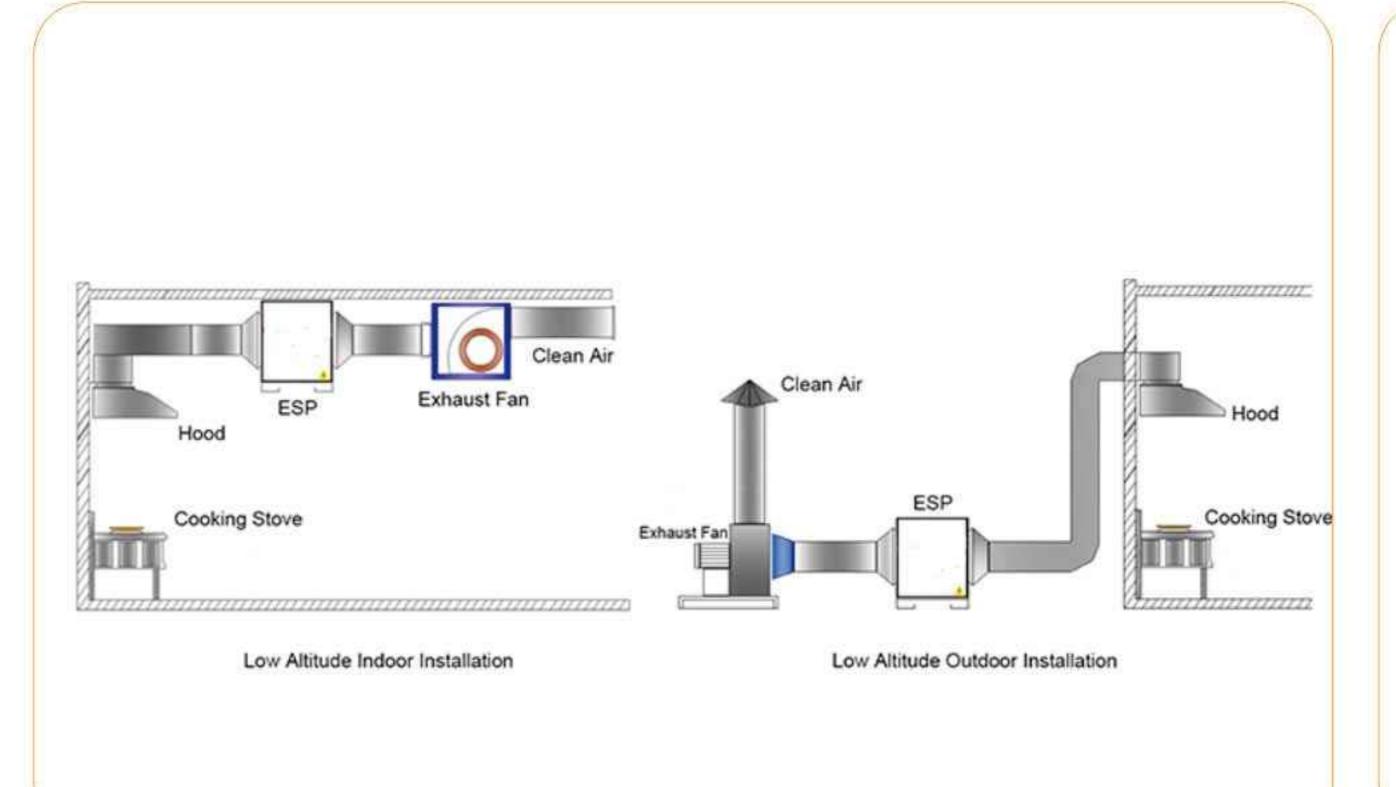
Optional Unit Combined

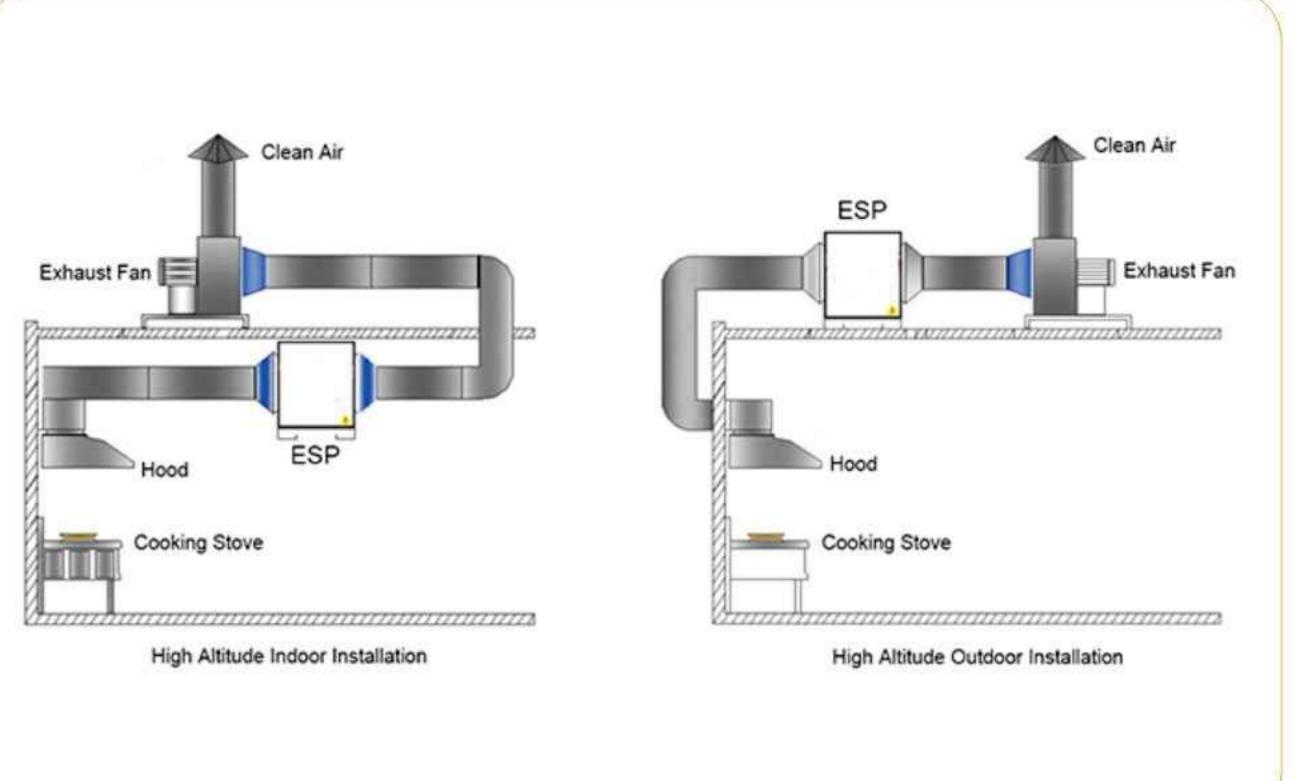


### ELECTROSTATIC AIR PURIFIER

#### Installation Picture







#### Scope of application:

Suitable for quenching heat treatment, forging, cold heading machine processing, fastener processing, vacuum pump oil mist, silk machine oil fume, casting machine processing, CNC machining center concentrated oil mist treatment, asphalt fume, PVC rubber production, lectronics factory, etc. Soot, oil mist exhaust treatment. Food processing industry 0.1-100 m fume treatment, suitable for any restaurant fume treatment, any restaurant, restaurant, barbecue shop, etc.



Metal Processing



Restaurant Kitchen



Waste Incineration



Barbecue Restaurant



**Auto Industry** 



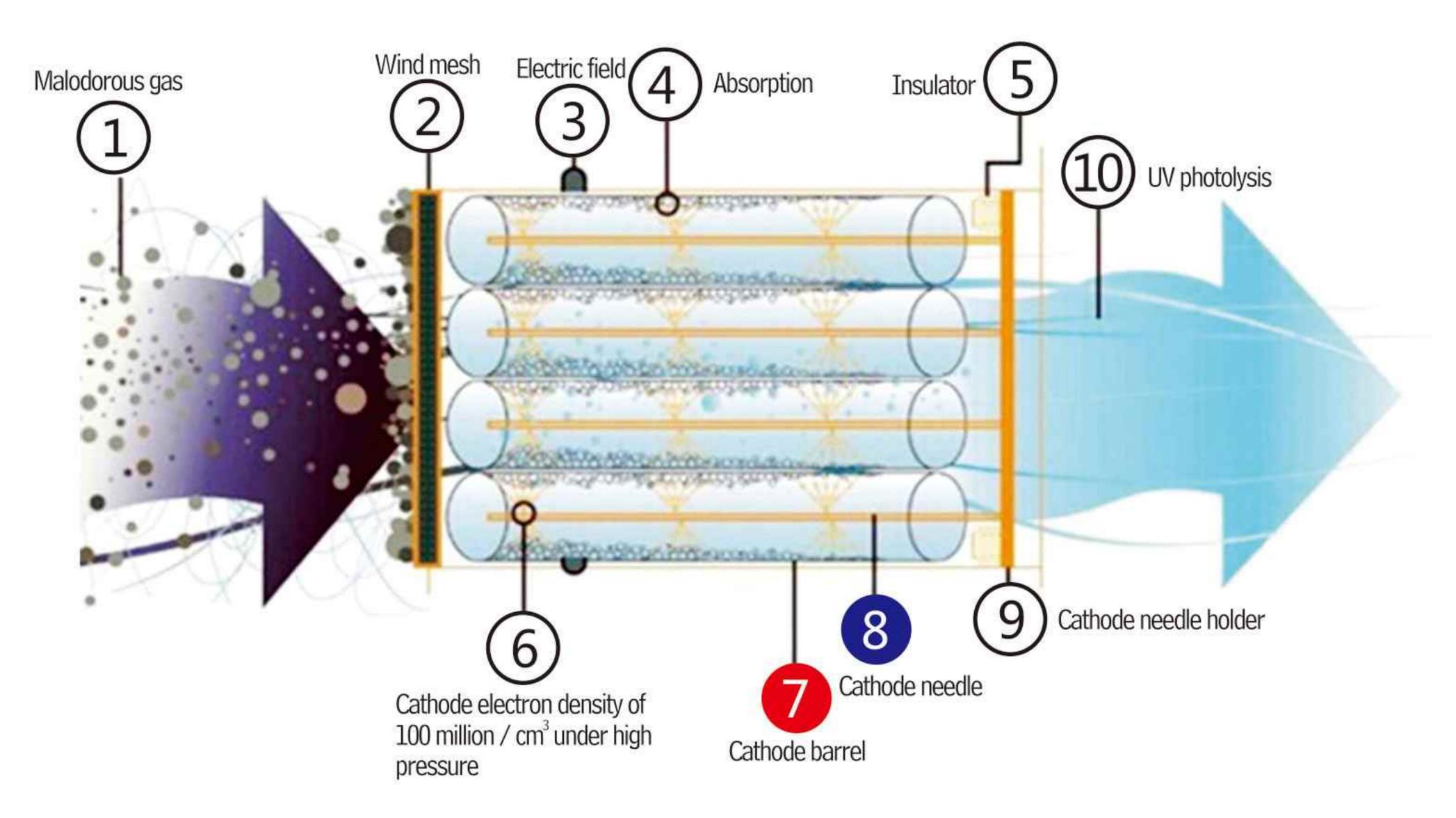
Hot Pot Restaurant

**№V1** | 39

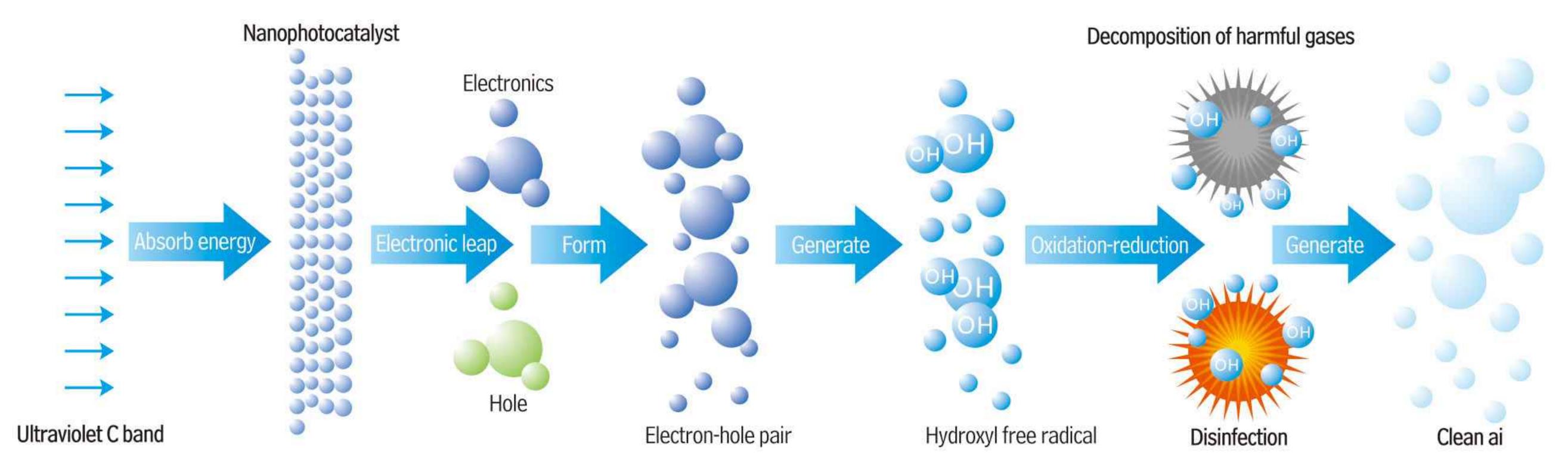
### ELECTRONIC & PHOTOCATALYSIS AIR PURIFIER



- $O_2$  + e  $\longrightarrow$  20
- $H_2O+e\longrightarrow OH+H$ ,  $H_2O+O\longrightarrow 2HO$ ,  $H+O_2\longrightarrow OH+H$



- $30_2 + UV \rightarrow 20_3$
- $H_2O+UV\longrightarrow OH+H\longrightarrow OH+HO_2$



#### Feature

- Equipment cabinet surface cold plate 2.0mm electrostatic powder spray / 201#304# stainless steel mechanical polishing process
- $\bullet$  honeycomb field, deodorization rate > 99%, no secondary pollution
- Germany imported UV technology U-type UV lamp, life expectancy of up to 12000 hours
- Insulator through-heart porcelain bottle, digital power security protection, equipment personal double insurance
- ISO certification, CEP environmental certification, AAA quality products



Automobile spraying exhaust gas purification cation



Electronic factory exhaust gas purification

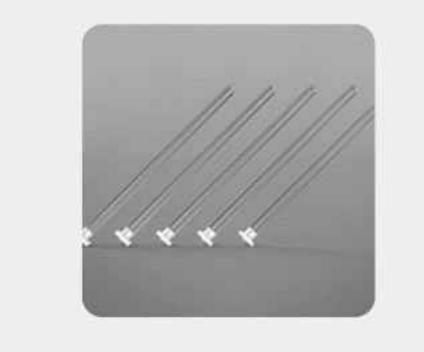


Automobile factory exhaust gas

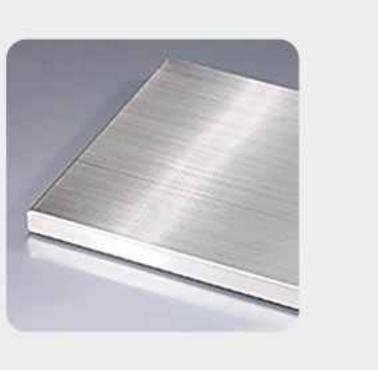


Food factory exhaust gas purification

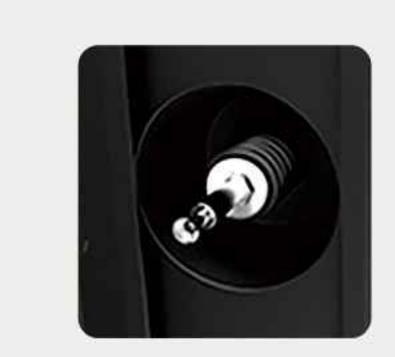




Aluminum Foil TiO2, U-type UV Lamp



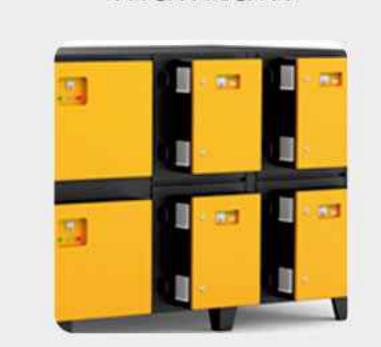
High Security



Surface Q235 Carbon Steel / 201#304# Stainless Steel



Convenient Install and Maintain



Pre-filter 2-4year Lifetime



Low Operation Cost



-30 $^{\circ}$ C  $\sim$  60 $^{\circ}$ C, Humidity 70 $^{\circ}$ 



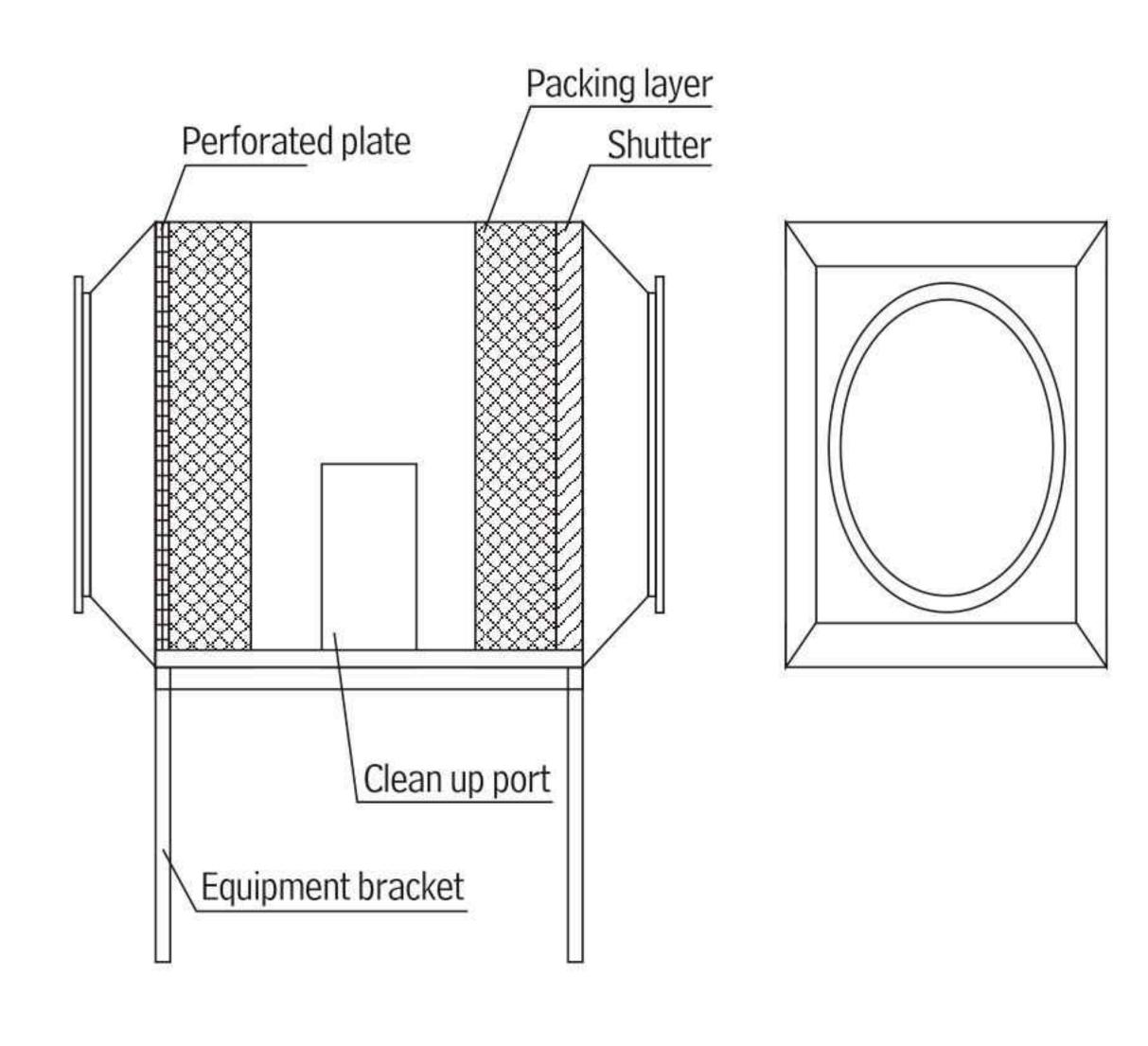
**V1** | 41

### **DEFOGGING AND WATER RESISTING DEVICE**

#### Working principle

Due to the deflection of the streamline and the inertial force, the gas and liquid will be separated, some droplets will be trapped on the demister blades and the water mist will be filtered and treated through the packing layer to achieve defogging and Water-repellent effect. After the collected water mist accumulates at the bottom of the equipment, open the bottom drain valve and handle it easily. The device is simple, convenient, and has a high processing effect.

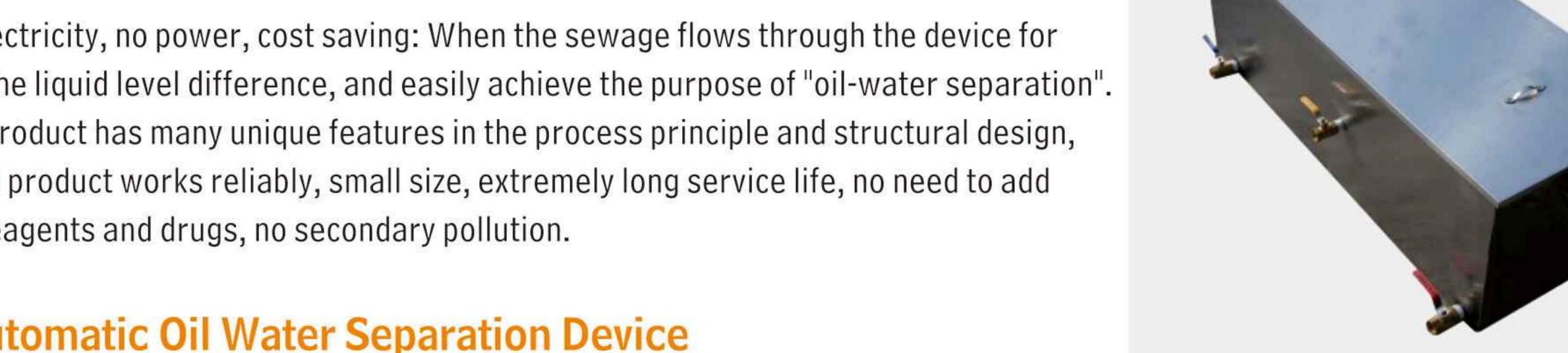




### OIL WATER SEPARATION DEVICE

#### ■ No Power Water Separation Device

No electricity, no power, cost saving: When the sewage flows through the device for med the liquid level difference, and easily achieve the purpose of "oil-water separation". This product has many unique features in the process principle and structural design, so the product works reliably, small size, extremely long service life, no need to add any reagents and drugs, no secondary pollution.



#### Automatic Oil Water Separation Device

The main structural principle is composed of three parts: oil trap, automatic oil scraper and air flotation device. When the wastewater drains into the tank, the filter basket or mechanical grid intercepts the solid debris therein. After entering the second tank, the oil-water separator is made by the difference in density, and the waste water flows downward along the inclined plate, enters the third tank, flows out from the overflow weir, and is collected and discharged through the outlet pipe. The oil beads in the water flow upward along the upper surface of the sloping plate and float on the surface of the water; the oil dissolved in the water is blown to the surface of the water by the air flotation device to improve the separation effect of the oil and water, and then through the automatic oil scraper, The oil in the waste water plane is scraped into the oil sump.



#### Application:

Can be widely used in hotels, restaurants, canteens, food processing and other dynamic oil wastewater treatment, but also for oil fields, petrochemicals, ships, gas stations, car washes, garages, machining, and coking and other mineral oils The treatment of industrial w astewater can also be used in conjunction with other water treatment plants.



High Class Hotel



**Business Building** 



Super Market





**Blood Station** 



Community Healthcare Service



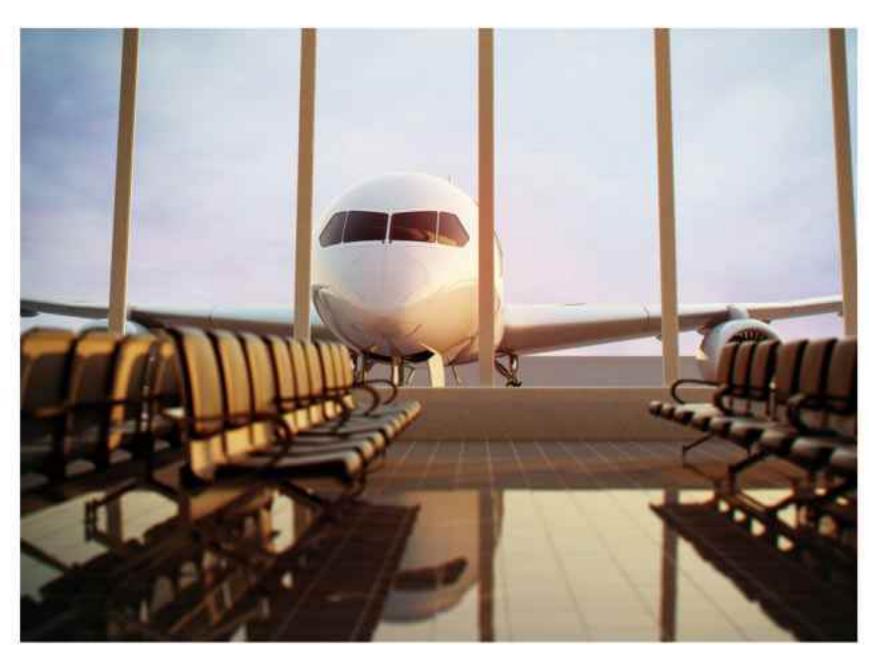
Research Laboratory



Pharmaceutical Company



Chemical Factory



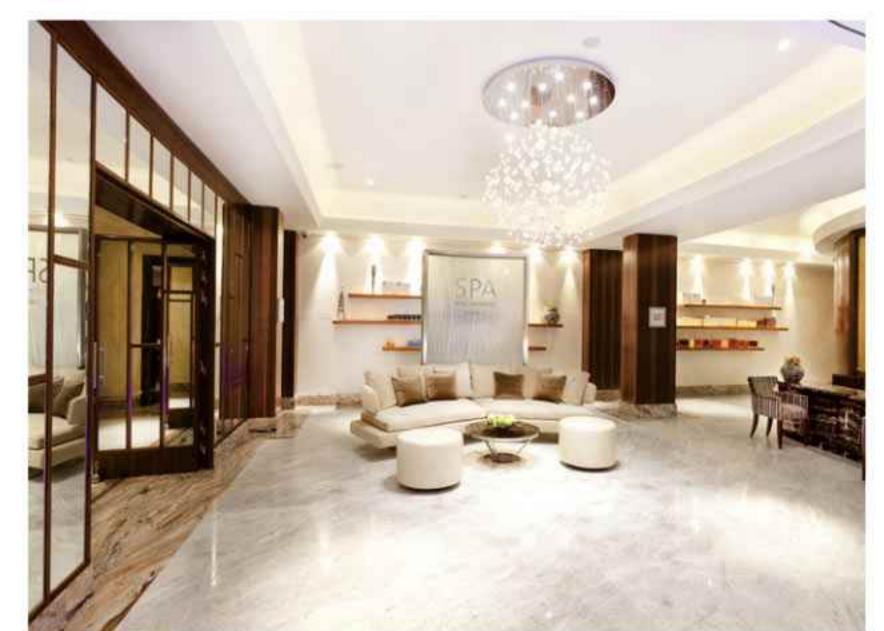


Railway Station





Restaurant Kitchen



**Beauty Parlor** 



Kindergarten

