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Professional Public Environment Air Purification Solution Provider





- [] 1 Company Profile
- 05 V1 Real Cases
- 17 HVAC System Picture
- 10 HVAC Air Purification Device
- 17 Air Sterilizer
- 25 Filter
- **31** Exhausted Water And Air Purifier



## V1ENVIRONMENTAL 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 Sterilization Purification Device and Air filter.

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.

## **L** 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 2015 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.

 $2012 \quad \text{Successfully mergers and acquisitions Dongguan Jiayi Testing Equipment Co., Ltd.}$ 

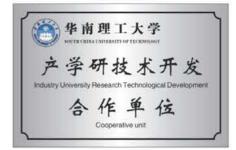
The relevant leaders of the group decided to join the environmental protection career and established Weiji Purification and Decoration Engineering Co., Ltd. Specializing in environmental purification equipment, dust purification engineering and other high purification requirements engineering.

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.

 $2005 \quad \hbox{V1} Industry \ was \ established in Hongkong, the \ relevant \ group \ project \ officially \ started.$ 

## **CERTIFICATES**







South China University Of Technology Cooperative Unit

Sanitary Premit



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





Chinese Academy of Sciences 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**









Third People's Hospital of Cangnan County, Zhejiang Province



Xiangya Hospital of Central-South University, Hunan

## **■ V1 REAL CASES PUBLIC PLACES**





Yunnan Qujing High-speed Railway Station



Hainan Hengda Boao Hospital







Shenzhen Qianhai Dafu Global Shopping Plaza



# HVAC SYSTEM PICTURE (CENTRAL AIR CONDITIONING SYSTEM) Photon Hydroxylation Technology Air Purification Device Fan Coil Air Purification Device Air Return Type Plasma Air Purification Device Fresh Air Outlet \_\_\_ Air Inlet Supply Air Air Cabinet Type Plasma Air Purification Device Pipeline Type Plasma Air Purification Device **❤¥1** | 07 Photon Hydroxylation Technology Air Purification Device 08 | **SY1**

## FOR FOUR MAJOR POLLUTION SOURCES

Harmful microorganisms, viruses Killed Rate99%













Methicillin-resistant Staphylococcus aureus Killed Rate99%

Killed Rate99%

Killed Rate96%





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 Rate98%

(sinking dust, soot, dander, smoke and other inhalable particles, especially below PM2.5 can enter the lung particles)



Remove different kinds of odors



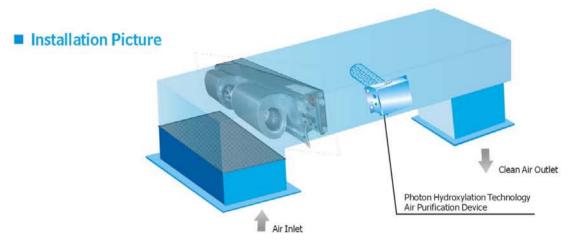
## PHT (PHOTON HYDROXYLATION TECHNOLOGY) AIR PURIFICATION DEVICE



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.



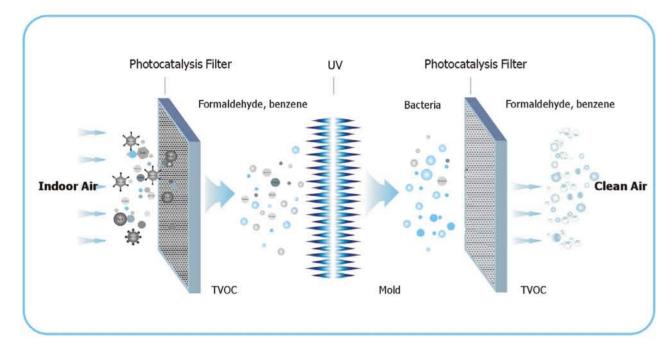
#### ■ Product Models and Parameters

Model	Air circulation (m³/h)	Inlet Power(W)	Power Voltage	Environment Temperature
VBK-GL-1000	1000m³/h	≤13W	110V ~ 220V	-5 ~ 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 ~ 45℃

### PHOTOCATALYSIS AIR PURIFICATION DEVICE

#### ■ Photocatalysis principle:

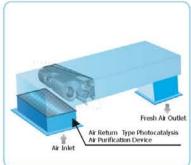
As shown on below picture, the central air conditioning system supplies air to the Photocatalysis Filter to filter out some particles; and they gets the electron voltage in Photocatalysis Filter (TiO<sub>2</sub>) by the effect of UV light which can decomposes harmful gases such as formaldehyde, benzene, 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.

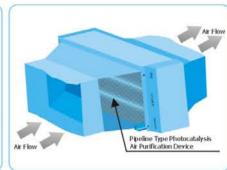


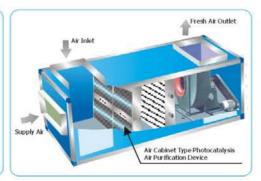
#### ■ Product Function and Feature

- · 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 Purification Device

#### Air Return Type Photocatalysis Air Purification Device



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 ~ 45℃
VBK- HC-1020	1020m³/h	965 × 250 × 120(mm)	≤25W	-5 ~ 45℃
VBK- HC-1360	1360m³/h	1265 × 250 × 120(mm)	≤30W	-5 ~ 45 ℃
VBK- HC-1700	1700m³/h	1370 × 250 × 120(mm)	≤30W	-5 ~ 45°C
VBK- HC-2040	2040m³/h	1660 × 250 × 120(mm)	≤ 40W	-5 ~ 45°C

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

#### Pipeline Type Photocatalysis Air Purification Device



Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>	
VBK-GC-500	500m3′h	473 × 185 × 350(mm)	≤10W	-5 ~ 45 ℃	
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℃	
VBK-GC-3000	3000m³/h	1085 × 348 × 350(mm)	≤30W	-5 ~ 45 °C	
VBK-GC-4000	4000m³/h	1085 × 445 × 350(mm)	≤40W	-5 ~ 45℃	
VBK-GC-5000	5000m³/h	1325 × 445 × 350(mm)	≤50W	-5 ~ 45 °C	
VBK-GC-6000	6000m³/h	1625 × 445 × 350(mm)	≤60W	-5 ~ 45 ℃	
VBK-GC-8000	8000m³/h	1625 × 538 × 350(mm)	≤80W	-5 ~ 45℃	
VBK-GC-10000	10000m³/h	1625 × 678 × 350(mm)	≤120W	-5 ~ 45 ℃	
VBK-GC-12000	12000m³/h	1735 × 730 × 350(mm)	≤160W	-5 ~ 45 °C	

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



#### Air Cabinet Type Photocatalysis Air Purification Device

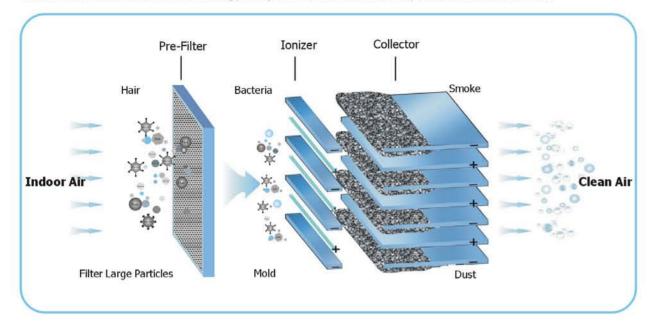
Model	Air circulation	<b>Product Size</b>	Input Power	Environment Temperature
VBK-ZC-1360	13600m³/h	350 × 348 × 120(mm)	≤15W	-5 ~ 45 ℃
VBK-ZC-1700	1700m³/h	600 × 348 × 120(mm)	≤18W	-5 ~ 45℃
VBK-ZC-2720	2720m³/h	500 × 663 × 120(mm)	≤30W	-5 ~ 45℃
VBK-ZC-3400	3400m³/h	600 × 663 × 120(mm)	≤36W	-5 ~ 45℃

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

### PLASMA AIR PURIFICATION DEVICE

#### ■ Plasma Principle:

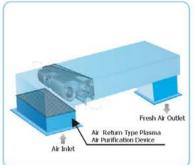
As shown on below picture, the central air conditioning system supplies air to the pre-filter to filter out large dust particles and hair; and sends to the plasma ionization zone which the plasma density is 1.05X10<sup>17</sup>-4.02X10<sup>17</sup>m<sup>3</sup>. The bacteria and molds are eliminated 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.

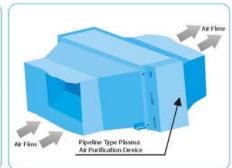


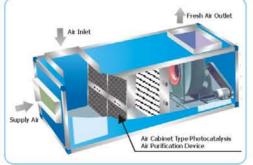
#### ■ Product Function and Feature

- 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</li> 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
- 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 Plasma Air Purification Device

#### Air Return Type Plasma Air Purification Device



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∼45℃
VBK- HD-850	850m³/h	845 × 250 × 180(mm)	≤5W	-5 ~ 45°C
/BK- HD-1020	1020m³/h	965 × 250 × 180(mm)	≤10W	-5 ~ 45°C
/BK- HD-1360	1360m³/h	1265 × 250 × 180(mm)	≤10W	-5 ~ 45℃
/BK- HD-1700	1700m³/h	1370 × 250 × 180(mm)	≤10W	-5 ~ 45℃
/BK- HD-2040	2040m³/h	1660 × 250 × 180(mm)	≤15W	-5 ~ 45 ℃

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

#### Pipeline Type Plasma Air Purification Device



Air circulation	<b>Product Size</b>	Input Power	Environment Temperatur	
500m³/h	473 × 185 × 410(mm)	≤5W	-5 ~ 45 ℃	
1000m³/h	473 × 283 × 410(mm)	≤5W	-5 ~ 45 ℃	
2000m³/h	885 × 283 × 410(mm)	≤10W	-5 ~ 45℃	
3000m³/h	1085 × 348 × 410(mm)	≤10W	-5 ~ 45 °C	
4000m³/h	1085 × 445 × 410(mm)	≤10W	-5 ~ 45 ℃	
5000m³/h	1325 × 445 × 410(mm)	≤15W	-5 ~ 45 ℃	
6000m³/h	1625 × 445 × 410(mm)	≤15W	-5 ~ 45 ℃	
8000m³/h	1625 × 538 × 410(mm)	≤20W	-5 ~ 45℃	
10000m³/h	1625 × 678 × 410(mm)	≤25W	-5 ~ 45℃	
12000m³/h	1735 × 730 × 410(mm)	≤30W	-5 ~ 45℃	
	500m <sup>3</sup> /h 1000m <sup>3</sup> /h 2000m <sup>3</sup> /h 3000m <sup>3</sup> /h 4000m <sup>3</sup> /h 5000m <sup>3</sup> /h 6000m <sup>3</sup> /h 10000m <sup>3</sup> /h	500m³/h 473 × 185 × 410(mm) 1000m³/h 473 × 283 × 410(mm) 2000m³/h 885 × 283 × 410(mm) 3000m³/h 1085 × 348 × 410(mm) 4000m³/h 1085 × 445 × 410(mm) 5000m³/h 1325 × 445 × 410(mm) 6000m³/h 1625 × 445 × 410(mm) 8000m³/h 1625 × 538 × 410(mm) 10000m³/h 1625 × 678 × 410(mm)	$\begin{array}{llllllllllllllllllllllllllllllllllll$	

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

#### Air Cabinet Type Plasma Air Purification Device



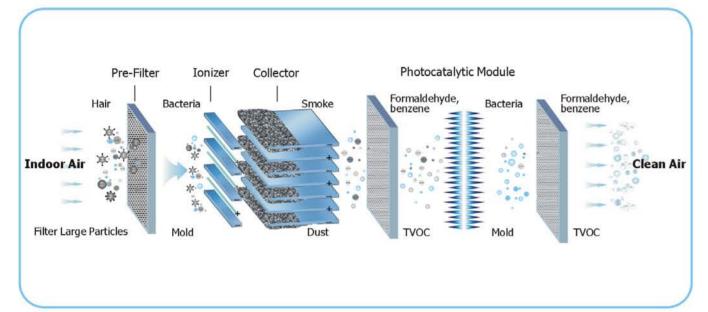
Model	Air circulation	Product Size	Input Power	<b>Environment Temperature</b>
VBK-ZD-1360	1360m³/h	500 × 348 × 180 (mm)	≤5W	-5 ~ 45°C
VBK-ZD-1700	1700m³/h	600 × 348 × 180(mm)	≤5W	-5 ~ 45℃
VBK-ZD-2720	2720m³/h	500 × 663 × 180(mm)	≤10W	-5 ~ 45 ℃
VBK-ZD-3400	3400m³/h	600 × 663 × 180(mm)	≤10W	-5 ~ 45 ℃

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

### PHOTOELECTRIC AIR PURIFICATION DEVICE

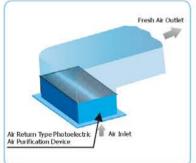
#### ■ Photoelectric Principle:

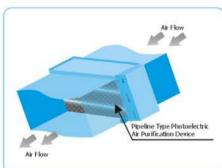
As shown on below picture, the central air conditioning system supplies air to the pre-filter to filter out large dust particles and hair; and sends to the plasma ionization zone which the plasma density is  $1.05 \times 10^{17} - 4.02 \times 10^{17} \text{m}^3$ . The bacteria and molds are eliminated 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.

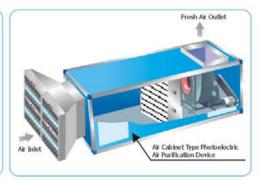


- Product Function and Feature
   Adopt standardized module design, which can be freely combined according to air volume and size.
- Adopt photoelectric physical disinfection and purification methods with pure dynamic disinfection technology that is harmless to the human body, safe, high efficient and 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









Photoelectric Air Purification Device

#### Air Return Type Photoelectric Air Purification Device



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℃
VBK-HGD-680	680m³/h	745 × 250 × 245(mm)	≤20W	-5 ~ 45°C
VBK-HGD-850	850m³/h	845 × 250 × 245(mm)	≤20W	-5 ~ 45℃
VBK-HGD-1020	1020m³/h	965 × 250 × 245(mm)	≤35W	-5~45℃
VBK-HGD-1360	1360m³/h	1265 × 240 × 180(mm)	≤40W	-5 ~ 45℃
VBK-HGD-1700	1700m³/h	1370 × 240 × 180(mm)	≤40W	-5 ~ 45℃
VBK-HGD-2040	2040m³/h	1660 × 240 × 180(mm)	≤55W	-5 ~ 45°C

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

#### Pipeline Type Photoelectric Air Purification Device



Model	Air circulation	Product Size	Input Power	Environment Temperature	
VBK-GGD-500	500m³/h	473 × 185 × 495(mm)	≤15W	-5 ~ 45 ℃	
VBK-GGD-1000	1000m³/h	473 × 283 × 495(mm)	≤15W	-5 ~ 45 ℃	
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 ℃	
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	8000m³/h	1625 × 538 × 495(mm)	≤100W	-5 ~ 45 ℃	
/BK-GGD-10000	10000m³/h	1625 × 678 × 495(mm)	≤145W	-5 ~ 45 ℃	
VBK-GGD-12000	12000m³/h	1735 × 730 × 495(mm)	≤190W	-5 ~ 45 °C	

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



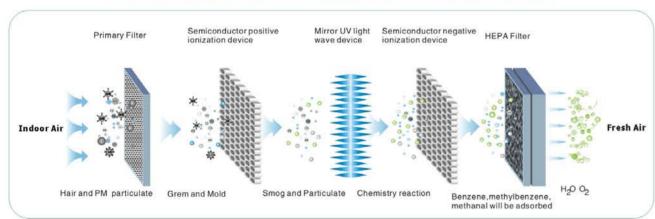
#### Air Cabinet Type Photoelectric Air Purification Device

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

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



#### **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 evenergy (electric energy), semiconductor catalyst to transition to the conduction band and valence, it generates electron-holes, forms negative oxygenions (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.





#### Function

- The kill rate of airborne natural bacteria, Staphylococcus albicans, Staphylococcus aureus,
   Escherichia coli is ≥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**

и	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	
Input Power	≤60W	
Speed	High, Medium, Low	
Noise	High≤55dB(B) Medium≤45dB(B) Low≤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







## **WALL-MOUNTED TYPE**

#### 3 In 1 Semiconductor





#### Function

- · Adopt patent technology: 3 In 1 Semiconductor 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 or semiconductor device can be set.
- Convenient maintenance and maintenance: Cumulative contaminants after the semiconductor device operated, it can be continue to use afterclean.

#### **Model And Parameters**

Ham.			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	≤100m <sup>3</sup>	≤120m³	
Sterilization Rate	44411		≥90%		
Noise	≤55dB(A)				
UV Lamp Life	≥8000-12000h				
Outer UV Leakage	≤5 μ w/cm²				
Ozone Concentration		<	0.1mg/m <sup>3</sup>		
Semiconductor Ionization Voltage		± 5	.0 ~ 10.0KV		
Input Power	≤90W	≤95W	≤100W	≤105W	
Environment Temperature and Humidity		-5℃ ~ 4	45°C ≤90%RH		
Voltage / Frequency	AC220V ± 22V 50Hz ± 0.5Hz				
Dimension		1000 ×	330 × 200mm		
Туре		Wall N	Mounting 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 or semiconductor device can be set.
- Convenient maintenance and maintenance: Cumulative contaminants after the semiconductor device operated, it can be continue to use after clean.

#### **Model And Parameters**

Ham.	M	lodel		
Item	VBY-B-800	VBY-B-1200		
Air Circulation Max.	800m³/h	1200m³/h		
Recommended Room	≤80m³	≤120m³		
Sterilization Rate	3	≥90%		
Noise	≤5	55dB(A)		
UV Lamp Life	≥8000-12000h			
Outer UV Leakage	≤5	μ w/cm²		
Ozone Concentration	≤0.	.lmg/m³		
Semiconductor Ionization Voltage	± 5.0 ~ 10.0KV	± 5.0 ~ 10.0KV		
Input Power	≤95W ≤105W			
Environment Temperature and Humidity	-5℃ ~ 45	°C ≤90%RH		
Voltage / Frequency	AC220V ± 22V 50Hz ± 0.5Hz			
Dimension	1000 × 330 × 200mm			
Туре	Wall Mo	ounting Type		

#### Installation requirements

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









#### 3 In 1 Semiconductor



#### Function

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

Wasasi		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	≥9	0% (0.5 μ m Suspended Particle Concer	ntration)		
Noise		≤60dB(A)			
UV Lamp Life	≥8000-12000h				
Outer UV Leakage		≤5 μ w/cm²			
Ozone Concentration		≤0.1mg/m³			
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 ± 0.5Hz			
Dimension	645 × 645 × 380mm				
Installation Dimension		600 × 600 × 380mm			
Type		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 semiconductor electric field regularly.

#### **Model And Parameters**

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







## **CABINET TYPE**

#### 3 In 1 Semiconductor



#### 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**

u		M	odel			
Item	VBY-G-600	VBY-G-800	VBY-G-1200	VBY-G-1500		
Air Circulation Max.	600m³/h	800m³/h	1200m³/h	1500m³/h		
Recommended Room	≤60m³	≤80m³	≤120m³	≤150m³		
Sterilization Rate		≥99.9% (0.5 µ m Suspe	nded Particle Concentration)			
Noise		(≤(	50dB(A)			
UV Lamp Life		≥800	00-12000h			
Outer UV Leakage		≤5	μ w/cm²			
Ozone Concentration		≤0.	lmg/m³			
Semiconductor Ionization Voltage		± 5.0	~ 10.0KV			
Input Power	≤180W	≤190W	≤260W	≤270W		
Environment Temperature and Humidity		-5℃ ~ 45	°C ≤90%RH			
Voltage / Frequency	AC220V ± 22V 50Hz ± 0.5Hz					
Dimension	458 × 348 × 1080mm					
Туре		Cabir	net 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
- Power off and restart memory function, clean and malfunction prompt function.

#### **Model And Parameters**

192	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	≤5w/cm²			
Ozone Concentration	≤0.1mg/m³			
Negative Lon InTensity	10 × 10° pcs/m³			
Input Power	≤170W			
Voltage / Frequency	220V ~ 50Hz			
Disinfection Time	90 mins			
Dimension	540 x 420 x 840mm			
Туре	Mobile			

#### Installation requirements

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







## **Benifit 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

























PRIMARY FILTER





#### Specification



Model	Dimensions(mm)	Air Flow(m³/h)	Pressure	Filter efficiency	y(%)	Material				
Model	W×H×D	All Flow(III/II)	Differentialrange(MPa)	En779	En779		Filter Material	Filter Material		
595×595×21		3200						Double-sided		
	595×495×21	2700				Paper	G1 Grade	Sprayed iron wire		
G1	595×295×21	1600	25	40 Weighting method	G1	Aluminum alloy	Non-woven	See the Art of		
	495×495×21	2200		Weighting method		galvanized plate	fabric	Double-sided galvanized wire mesh		
	295×295×21	800						galvanized wire mesn		
	595 × 595 × 46	3200						Double-sided		
G2	595 × 495 × 46	2700	25	70 Weighting method G2		Paper Aluminum alloy	G2 Grade Non-woven	Sprayed iron wire		
	595 × 295 × 46	1600			G2					
	495 × 495 × 46	2200			galvanized plate	fabric	Double-sided galvanized wire mesh			
	295 × 295 × 46	800						galvanized wife mesh		
	595 × 595 × 46	3200					G3 Grade Spr Non-woven fabric D	Double-sided		
	595 × 495 × 46	2700			hod G3	Paper Aluminum alloy galvanized plate		Sprayed iron wire		
G3	595 × 295 × 46	1600	30	85 Weighting method						
	495 × 495 × 46	2200		weighting method				Double-sided		
	295 × 295 × 46	800						galvanized wire mesh		
	595 × 595 × 46	3200						Double-sided		
	595 × 495 × 46	2700	25	44		Paper	G4 Grade	Sprayed iron wire		
G4	595 × 295 × 46	1600		90 Weighting method	G4	The second secon	Non-woven	TOTAL TOTAL CONTRACTOR		
	495 × 495 × 46	2200		Weighting method			fabric	Double-sided		
	295 × 295 × 46	800						galvanized wire mesh		

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





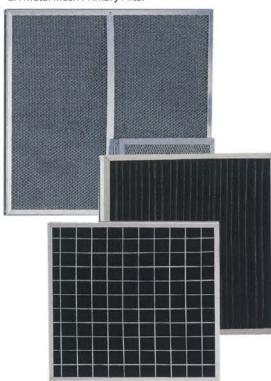
## PRIMARY FILTER

GN Nylon Mesh Primary Filter





#### GH Metal Mesh Primary Filter



GC Activated Carbon Primary Filter

#### Specification

No. of the	Dimensions(mm)	Air Flow(m³/h)	Pressure		Material		
Model Dimensions(mm) W × H × D		Air Flow(m/n)	Differentialrange(MPa)	Outer Frame	Filter Material		
	595 × 595 × 50						
GN	500 × 500 × 50	_	_	Aluminum alloy	Nylon mesh		
	495 × 495 × 15	2.77		galvanized plate	Nyioninesii		
	480 × 480 × 15						
	595 × 595 × 21						
CU	595 × 495 × 21	_		Aluminum alloy or Stainless frame	Metal mesh		
GH	595 × 295 × 21			galvanized plate	Metal mesn		
	495 × 495 × 21						
	595 × 595 × 50			heretone som street and			
CT	500 × 500 × 50	_		Aluminum alloy or Stainless frame galvanized plate	Temperature resistant glass long fiber		
GT	495 × 495 × 15				High temperature resistant short glass fiber		
	480 × 480 × 15						
	595 × 595 × 46	3200					
	595 × 495 × 46	2700					
CC	595 × 295 × 46	1600	40	Aluminum alloy	Active felt		
GC	495 × 495 × 46	2200		galvanized plate	Active reit		
	495 × 295 × 46	1300					
	295 × 295 × 46	800					

Note: Accept Customized.

#### **❤¥1** | 25

## MEDIUM EFFICIENCY FILTER



Model	Dimensions(mm)	Air Flow(m³/h)	PCS	Pressure	Filter efficiency(%) En	770	Mate	erial	
Model	W×H×D	All Flow(III / II)	PLS	Differentialrange(MPa)	Filter efficiency(%) Eff	1/9	Outer Frame	Filter Material	
	595 × 595 × 600	3200	6						
	595 × 595 × 600	2700	5			40		At a second second	
F5	595 × 495 × 600	2500	6	25	Weighting method	F5	Aluminum alloy galvanized plate	F5 Non-woven fabric	
	495 × 295 × 600	1600	6				Santamias a Post	Hon woven rabile	
	495 × 295 × 600	1300	4						
	595 × 595 × 600	3200	6						
	595 × 595 × 600	2700	5				Almedanas allas	F5 Non-woven fabric	
F6	595 × 495 × 600	2500	6	55	60-70 Colorimetric method	F6	Aluminum alloy galvanized plate		
	495 × 295 × 600	1600	6		Color metric metrica		guivanized plate	Non-woven labric	
	495 × 295 × 600	1300	4						
	595 × 595 × 600	3200	10						
	595 × 595 × 600	2700	8		00.05		Atomicon allass	F5 Non-woven fabric	
F7	595 × 495 × 600	2500	10	110	80-85 Colorimetric method	thod F7	Aluminum alloy galvanized plate		
	495 × 295 × 600	1600	10		Colormetric metrica				
	495 × 295 × 600	1300	8						
	595 × 595 × 600	3200	10						
	595 × 595 × 600	2700	8						
F8	595 × 495 × 600	2500	10	120	90-95 Colorimetric method	F8	Aluminum alloy galvanized plate	F5 Non-woven fabric	
	495 × 295 × 600	1600	10		Colormetric metriod		garvariized plate	Non-woven lability	
	495 × 295 × 600	1300	8						
	595 × 595 × 600	3200	6						
	595 × 795 × 600	2700	6	120	12.22			22	
F9	595 × 295 × 600	1600	6		97-98 Colorimetric method	F9	Aluminum alloy galvanized plate	F5 Non-woven fabric	
	495 × 495 × 600	2200	4		Colormentemento			Non-woven tabric	
	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 activ	ated carbon Fil	ter		
Frame	Support Mesh		Effectiveness	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	JH Columnar carbon	\$08≥
Dimensions W × H × D	595 × 595 × 15	595 × 595 ×	595 × 595 × 21 595 × 595 × 46			
Application		d carbon can remove pollutants (ni , acetic acid, ethyl ester, styrene, p				e, acetone,
Principle	The honeycomb activate	structure, high adsorption capaci d carbon adsorption method is ado pollutants in the exhaust gas are a	pted, that is, the exhaus	st gas is in contact wi	th the porous activated c	
Precautions		omb activated carbon filter for a potential carbon filter of the paper frame			e to sunlight for a period (	of time.

#### Note: Accept Customized.

Model	Dimensions (mm)	Clapboard	Air Flow(m³/h)	Pressure	Filter		Mate	rial		
Model	W×H×D	No	Air Flow(m / n)	Differentialrange(MPa)	Efficiency(%)	Filter Material	Separator	Sealant	Outer Frame	
	595×595×150	20	3000		99.5%		Rubber			
FS	495×495×150	-	2100	≤120(F7)	-100/57	Sodium flame	PP	Foil paper	Polyurethane	Aluminum plated
гэ	295×595×150	=	1500	≈120(F7)	method	Filter Material	aluminum	Glue	zinc plate	
	295×295×150	=	730		method		plate			
FV	592×592×292	4	3600	≤120(F7)	60-65% F6 80-85% F7 PP	PP	PP	Hot melt	Polyurethane	Polystyrene frame or
-1.4	$295\!\times\!595\!\times\!295$	4	1800		90-95% F8 < 95% F9	Filter Material	adhesive	Glue	galvanized steel	
	320 × 320 × 220		400				Aluminum			
	484 × 484 × 220		1000			Glass iron				
	610 × 610 × 150	-	1000		00.00				Mezzanine plate	
HS	820 × 600 × 150	-	1200		99.99	Filter paper	paper or	Polyurethane	Galvanized steel plate	
пэ	630 × 630 × 220	_	1500	≤220	Sodium flame	PP Filter	adhesive	Glue	Stainless steel plate	
	968 × 484 × 220	-	2000		method	material	paper		Aluminum alloy plate	
	945 × 630 × 220	=	2200						Aluminum alloy profile	
	1260 × 630 × 200	-	3000							

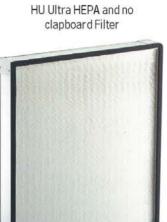
Note: Accept Customized.



## HEPA FILTER

HR Ultra low resistance and no clapboard HEPA Filter







#### Specification

	Frame	Sealant	Separator	Filter Material	The Highest Temperature	The Highest Humidity	Sealing strip
,	Aluminum frame	Polyurethane Glue	Hot melt adhesive	Glass filter paper	208	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					

Model	Dimensions(mm) W × H × D	Clapboard No	Air Flow(m³/h)	Pressure Differentialrange(MPa)	Filter efficiency(%)	Material			
						Filter Material	Separator	Sealant	Outer Frame
н۷	295 × 595 × 295	4	1000	≤120	99,99% Sodium flame method	Glass filter paper	Hot melt adhesive	Polyurethane Glue	Polystyrene frame Galvanized steel plate Stainless steel plate Aluminum alloy plate Aluminum alloy profile
	595 × 595 × 295	4	2100						
	595 × 595 × 295	5	2700						
	610 × 610 × 295	5	3200						

Note: Accept Customized.

## **Exhausted Water And Air Purifier**

Meet the needs of different environments and conditionsCustom 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 intermittent 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 of madness, can obtain satisfactory economic and social benefits.













Printing

Home appliance









Chemical industry

Petrochemical

Medicine

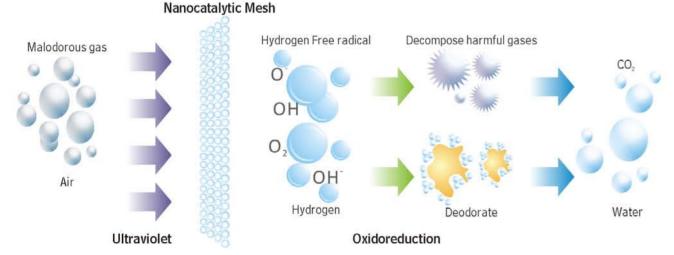
## **UV PHOTOCATALYST EXHAUST GAS PURIFIER**

#### ■ Ultraviolet photolysis working principle

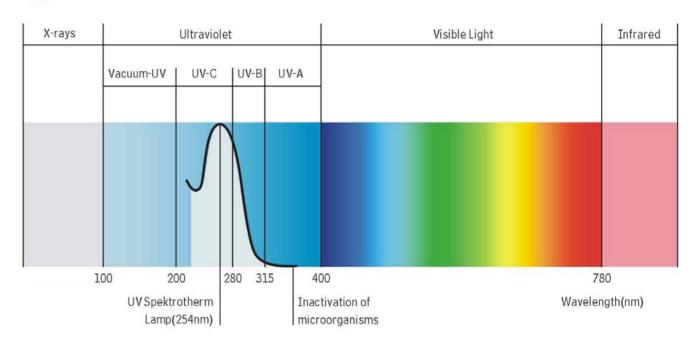
Using a special high-energy high-ozone UV ultraviolet light beam to irradiate the malodorous gas, changing the molecular chain structure of the malodorous gas, and make the molecular chain of the organic or inorganic high-molecular malodorous compound be converted into a low molecular compound such as  $CO_2$ ,  $H_2O$  and so on under the irradiation of a high-energy ultraviolet light beam.



Air volume 5000-60000m3/h



## **UV PHOTOCATALYST EXHAUST GAS 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 INDUSTRIAL EXHAUST GAS 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  $\,\mu$  m, 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#)
- 95 % high fume purification efficiency, no secondary pollution
- · New high-voltage power supply, insulator through-heart porcelain bottle, power failure protection, equipment personal double insurance
- ISO certification, CEP environmental certification, AAA heavy quality products
- Equipment upgradeable new PLC control + touch screen + The code lock



















## LOW/HIGH VACUUM ELECTROSTATIC OIL FUME PURIFIER HIGH EFFICIENCY



#### **■** 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

#### 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.





Restaurant Kitchen



Waste Incineration



Barbecue Restaurant



CLEAN AIR

Auto Industry

\*\*\* Adsorption



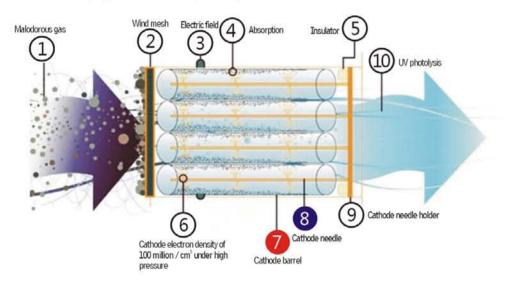
Hot Pot Restaurant

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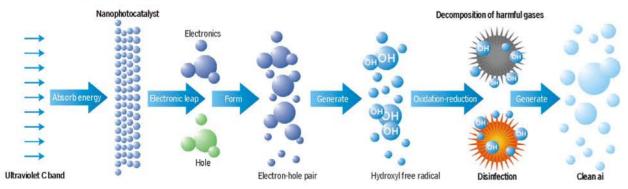
## PLASMA PHOTOCATALYSIS EXHAUSTED GAS PURIFIER



- O₂+e →20
- $H_2O+e \longrightarrow OH+H$ ,  $H_2O+O \longrightarrow 2HO$ ,  $H+O_2 \longrightarrow OH+H$



- 30<sub>2</sub> + UV → 20<sub>3</sub>
- H, O+ UV → OH + H → OH + HO,



#### ■ Feature

- Equipment cabinet surface cold plate 2.0mm electrostatic powder spray / 201#304# stainless steel mechanical polishing process
- 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



Chemical exhausted gas purification





Sewage treatment purification



Poultry farms exhausted air purification







High Security



Surface Q235 Carbon Steel / 201#304# Stainless Steel



Convenient Install and Maintain



Pre-filter 2-4year Lifetime



Low Operation Cost



-30°C ~60°C, Humidity 70%



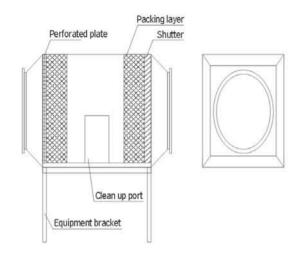
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### **DEFOGGING AND WATER RESISTING DEVICE**

#### ■ 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.



# **APPLICATIONS**











Blood Station





Research Laboratory



Pharmaceutical Company



Chemical Factory









Restaurant Kitchen



Beauty Parlor



Kindergarten

