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Professional Public Environment Air Purification Solution Provider



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## COMPANY PROFILE

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 10years 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.



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

# DEVELOPMENT HISTORY



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

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

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

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

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- 2015** 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

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

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- 2013** 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.

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

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- 2011** 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.

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- 2006** 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.

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

# CERTIFICATES



## V1 REAL CASES HOSPITAL



Asian Hospital



Shanghai Tongji University Affiliated Hospital



Third People's Hospital of Cangnan County, Zhejiang Province



Shenzhen Xixiang People's Hospital



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

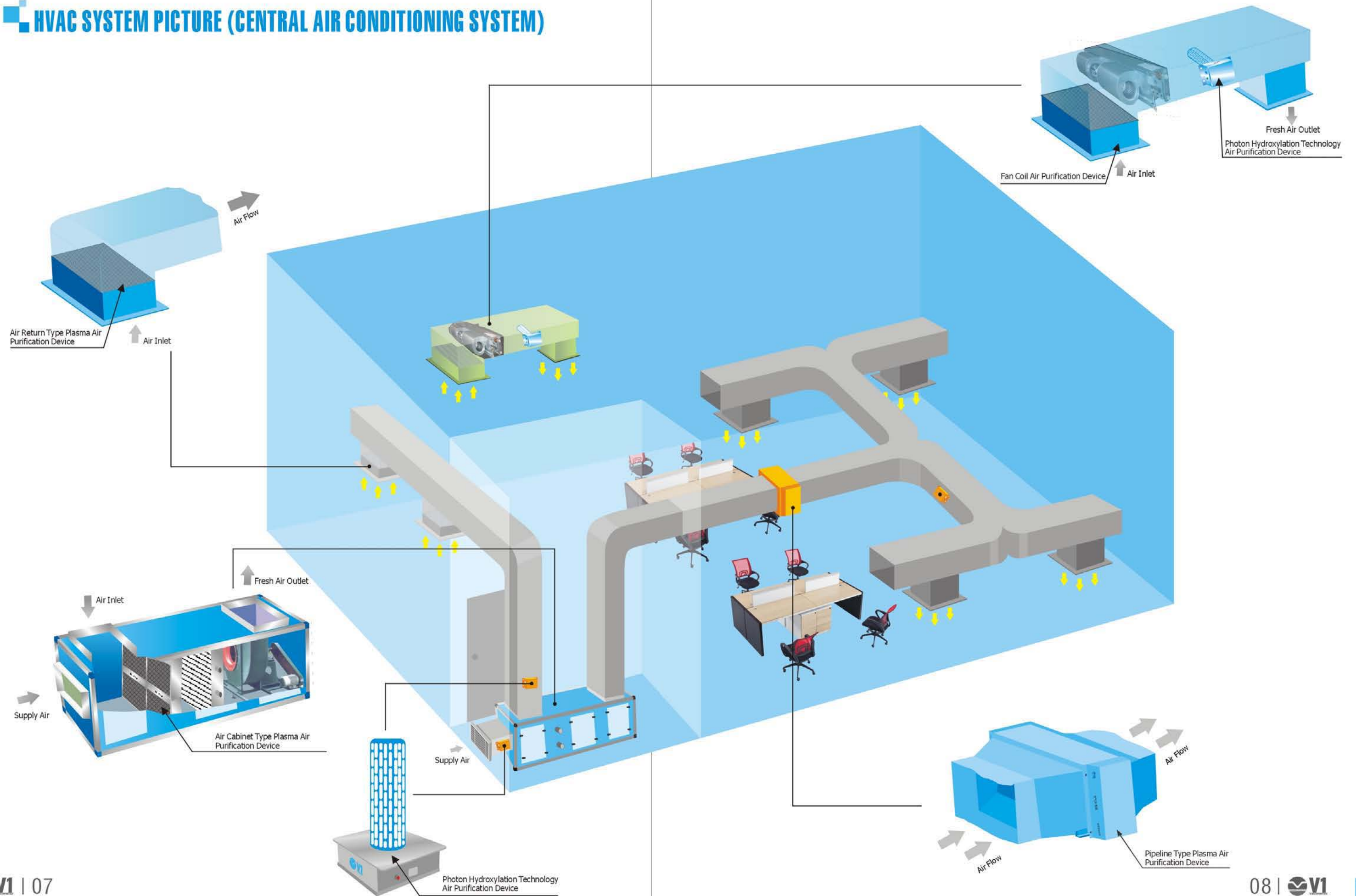


EmQuartier Bangkok



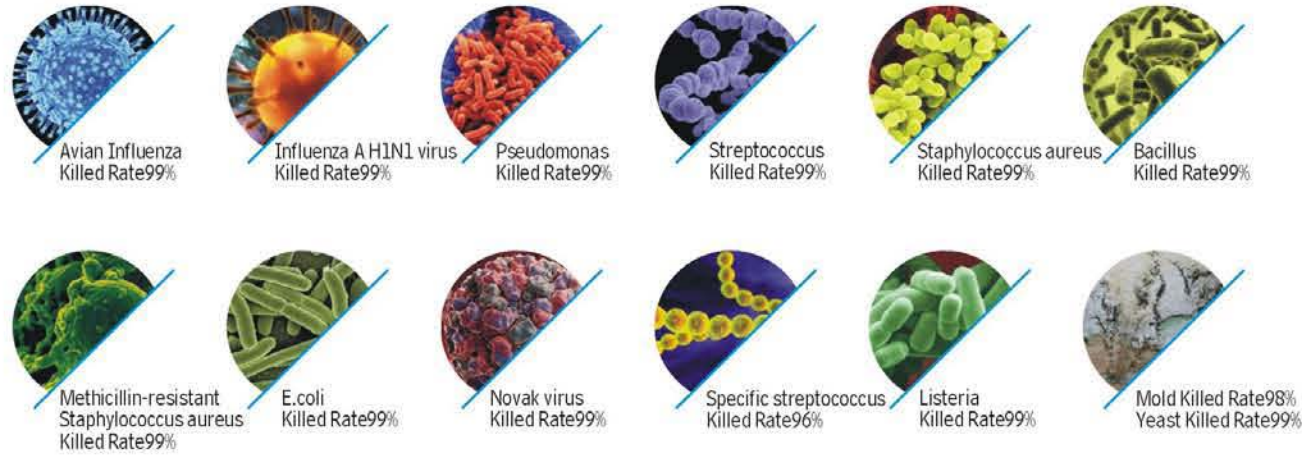
Shenzhen Qianhai Dafu Global Shopping Plaza

# HVAC SYSTEM PICTURE (CENTRAL AIR CONDITIONING SYSTEM)

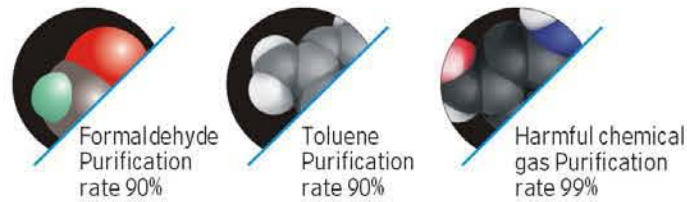


## FOR FOUR MAJOR POLLUTION SOURCES

Harmful microorganisms, viruses Killed Rate99%  
(SARS, avian influenza, H1N1, streptococci, E. coli, mold, etc.)



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  
(pet, smoke, musty, etc.)



## PHT (PHOTON HYDROXYLATION TECHNOLOGY) AIR PURIFICATION DEVICE

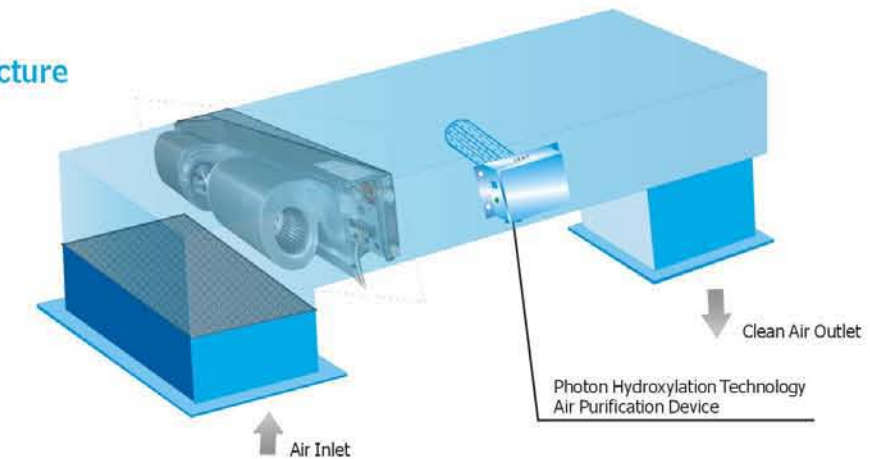


PHT technology combines the unique air purification technology of TiO<sub>2</sub> advanced oxidation technology and photocatalysis technology. It uses unique wide-wavelength photon wave and special metal catalyst layer to generate super-purifying purification gas, which can quickly and comprehensively 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  $\geq 90\%$ .
- 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.

### Installation Picture



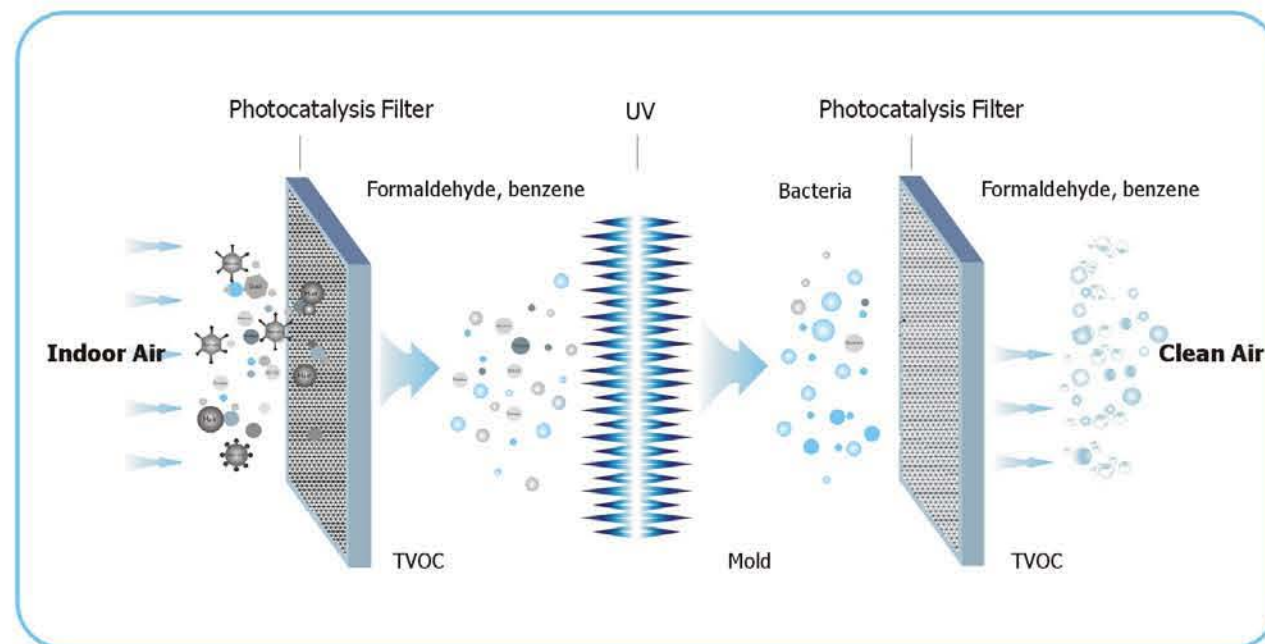
### Product Models and Parameters

Model	Air circulation (m <sup>3</sup> /h)	Inlet Power(W)	Power Voltage	Environment Temperature
VBK-GL-1000	1000m <sup>3</sup> /h	≤13W	110V ~ 220V	-5 ~ 45°C
VBK-GL-2000	2000m <sup>3</sup> /h	≤18W	110V ~ 220V	-5 ~ 45°C
VBK-GL-3000	3000m <sup>3</sup> /h	≤24W	110V ~ 220V	-5 ~ 45°C
VBK-GL-4000~5000	4000m <sup>3</sup> /h	≤36W	110V ~ 220V	-5 ~ 45°C

# PHOTOCATALYSIS AIR PURIFICATION DEVICE

## Photocatalysis principle:

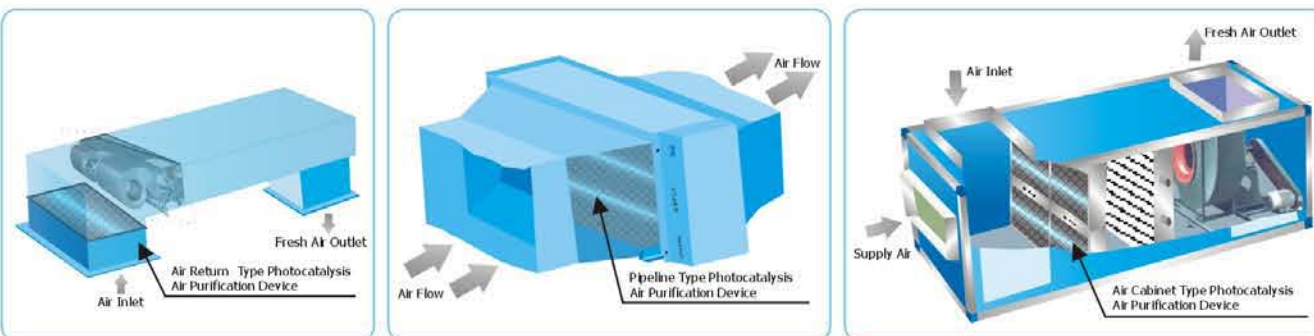
As shown on below picture, the central air conditioning system supplies air to the Photocatalysis Filter to filter out some particles; and they gets the electron voltage in Photocatalysis Filter (TiO<sub>2</sub>) by the effect of UV light which can decomposes harmful gases such as formaldehyde, benzene, 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	Environment Temperature
VBK-HC-340	340m <sup>3</sup> /h	545 × 250 × 120(mm)	≤ 10W	-5 ~ 45°C
VBK-HC-510	510m <sup>3</sup> /h	645 × 250 × 120(mm)	≤ 10W	-5 ~ 45°C
VBK-HC-680	680m <sup>3</sup> /h	745 × 250 × 120(mm)	≤ 15W	-5 ~ 45°C
VBK-HC-850	850m <sup>3</sup> /h	845 × 250 × 120(mm)	≤ 15W	-5 ~ 45°C
VBK-HC-1020	1020m <sup>3</sup> /h	965 × 250 × 120(mm)	≤ 25W	-5 ~ 45°C
VBK-HC-1360	1360m <sup>3</sup> /h	1265 × 250 × 120(mm)	≤ 30W	-5 ~ 45°C
VBK-HC-1700	1700m <sup>3</sup> /h	1370 × 250 × 120(mm)	≤ 30W	-5 ~ 45°C
VBK-HC-2040	2040m <sup>3</sup> /h	1660 × 250 × 120(mm)	≤ 40W	-5 ~ 45°C

\* 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	Environment Temperature
VBK-GC-500	500m <sup>3</sup> /h	473 × 185 × 350(mm)	≤ 10W	-5 ~ 45°C
VBK-GC-1000	1000m <sup>3</sup> /h	473 × 283 × 350(mm)	≤ 10W	-5 ~ 45°C
VBK-GC-2000	2000m <sup>3</sup> /h	885 × 283 × 350(mm)	≤ 20W	-5 ~ 45°C
VBK-GC-3000	3000m <sup>3</sup> /h	1085 × 348 × 350(mm)	≤ 30W	-5 ~ 45°C
VBK-GC-4000	4000m <sup>3</sup> /h	1085 × 445 × 350(mm)	≤ 40W	-5 ~ 45°C
VBK-GC-5000	5000m <sup>3</sup> /h	1325 × 445 × 350(mm)	≤ 50W	-5 ~ 45°C
VBK-GC-6000	6000m <sup>3</sup> /h	1625 × 445 × 350(mm)	≤ 60W	-5 ~ 45°C
VBK-GC-8000	8000m <sup>3</sup> /h	1625 × 538 × 350(mm)	≤ 80W	-5 ~ 45°C
VBK-GC-10000	10000m <sup>3</sup> /h	1625 × 678 × 350(mm)	≤ 120W	-5 ~ 45°C
VBK-GC-12000	12000m <sup>3</sup> /h	1735 × 730 × 350(mm)	≤ 160W	-5 ~ 45°C

\* 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	Product Size	Input Power	Environment Temperature
VBK-ZC-1360	13600m <sup>3</sup> /h	350 × 348 × 120(mm)	≤ 15W	-5 ~ 45°C
VBK-ZC-1700	1700m <sup>3</sup> /h	600 × 348 × 120(mm)	≤ 18W	-5 ~ 45°C
VBK-ZC-2720	2720m <sup>3</sup> /h	500 × 663 × 120(mm)	≤ 30W	-5 ~ 45°C
VBK-ZC-3400	3400m <sup>3</sup> /h	600 × 663 × 120(mm)	≤ 36W	-5 ~ 45°C

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

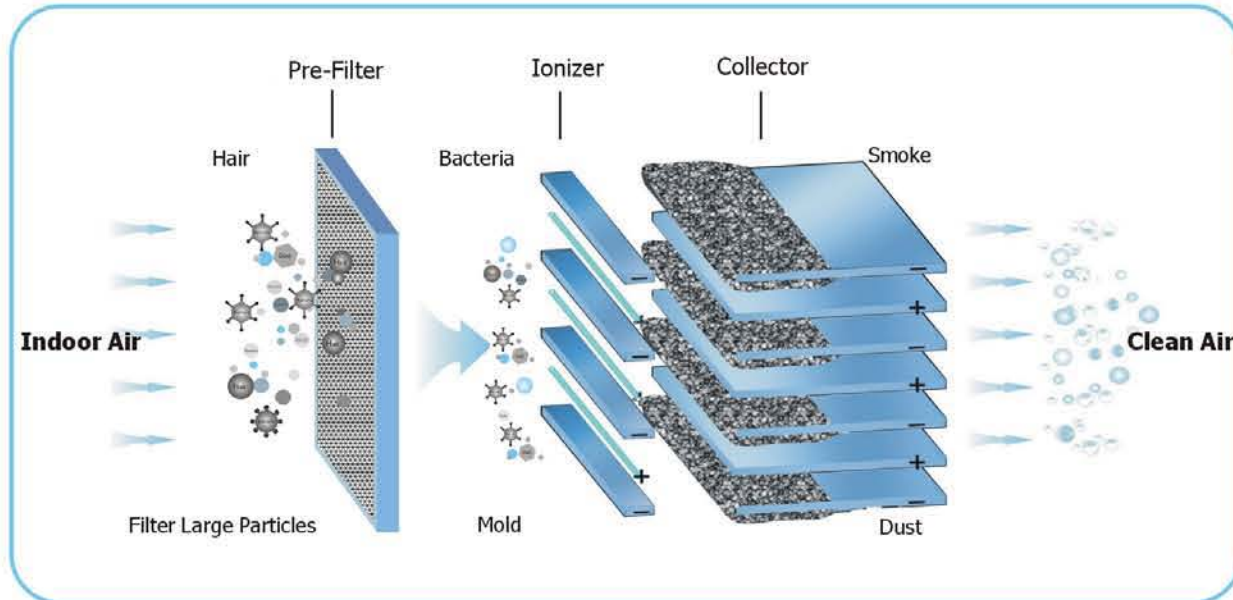




# PLASMA AIR PURIFICATION DEVICE

## Plasma Principle:

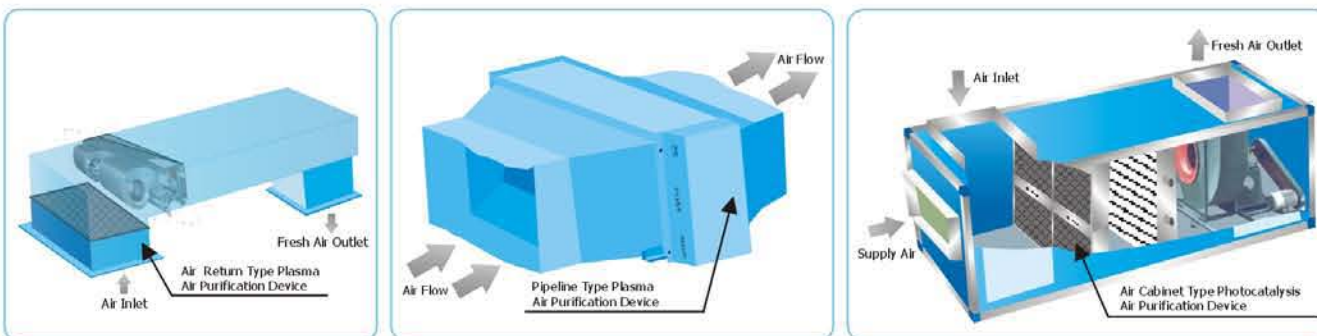
As shown on below picture, the central air conditioning system supplies air to the pre-filter to filter out large dust particles and hair; and sends to the plasma ionization zone which the plasma density is  $1.05 \times 10^{17} \sim 4.02 \times 10^{17} \text{m}^{-3}$ . The bacteria and molds are eliminated 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. 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  $< 25\text{Pa}$ , 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 Plasma Air Purification Device

## Air Return Type Plasma Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
VBK-HD-340	340m <sup>3</sup> /h	545 × 250 × 180(mm)	≤ 5W	-5 ~ 45℃
VBK-HD-510	510m <sup>3</sup> /h	645 × 250 × 180(mm)	≤ 5W	-5 ~ 45℃
VBK-HD-680	680m <sup>3</sup> /h	745 × 250 × 180(mm)	≤ 5W	-5 ~ 45℃
VBK-HD-850	850m <sup>3</sup> /h	845 × 250 × 180(mm)	≤ 5W	-5 ~ 45℃
VBK-HD-1020	1020m <sup>3</sup> /h	965 × 250 × 180(mm)	≤ 10W	-5 ~ 45℃
VBK-HD-1360	1360m <sup>3</sup> /h	1265 × 250 × 180(mm)	≤ 10W	-5 ~ 45℃
VBK-HD-1700	1700m <sup>3</sup> /h	1370 × 250 × 180(mm)	≤ 10W	-5 ~ 45℃
VBK-HD-2040	2040m <sup>3</sup> /h	1660 × 250 × 180(mm)	≤ 15W	-5 ~ 45℃

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



## Pipeline Type Plasma Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
VBK-GD-500	500m <sup>3</sup> /h	473 × 185 × 410(mm)	≤ 5W	-5 ~ 45℃
VBK-GD-1000	1000m <sup>3</sup> /h	473 × 283 × 410(mm)	≤ 5W	-5 ~ 45℃
VBK-GD-2000	2000m <sup>3</sup> /h	885 × 283 × 410(mm)	≤ 10W	-5 ~ 45℃
VBK-GD-3000	3000m <sup>3</sup> /h	1085 × 348 × 410(mm)	≤ 10W	-5 ~ 45℃
VBK-GD-4000	4000m <sup>3</sup> /h	1085 × 445 × 410(mm)	≤ 10W	-5 ~ 45℃
VBK-GD-5000	5000m <sup>3</sup> /h	1325 × 445 × 410(mm)	≤ 15W	-5 ~ 45℃
VBK-G-D-6000	6000m <sup>3</sup> /h	1625 × 445 × 410(mm)	≤ 15W	-5 ~ 45℃
VBK-GD-8000	8000m <sup>3</sup> /h	1625 × 538 × 410(mm)	≤ 20W	-5 ~ 45℃
VBK-GD-10000	10000m <sup>3</sup> /h	1625 × 678 × 410(mm)	≤ 25W	-5 ~ 45℃
VBK-GD-12000	12000m <sup>3</sup> /h	1735 × 730 × 410(mm)	≤ 30W	-5 ~ 45℃

\* 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	Environment Temperature
VBK-ZD-1360	1360m <sup>3</sup> /h	500 × 348 × 180(mm)	≤ 5W	-5 ~ 45℃
VBK-ZD-1700	1700m <sup>3</sup> /h	600 × 348 × 180(mm)	≤ 5W	-5 ~ 45℃
VBK-ZD-2720	2720m <sup>3</sup> /h	500 × 663 × 180(mm)	≤ 10W	-5 ~ 45℃
VBK-ZD-3400	3400m <sup>3</sup> /h	600 × 663 × 180(mm)	≤ 10W	-5 ~ 45℃

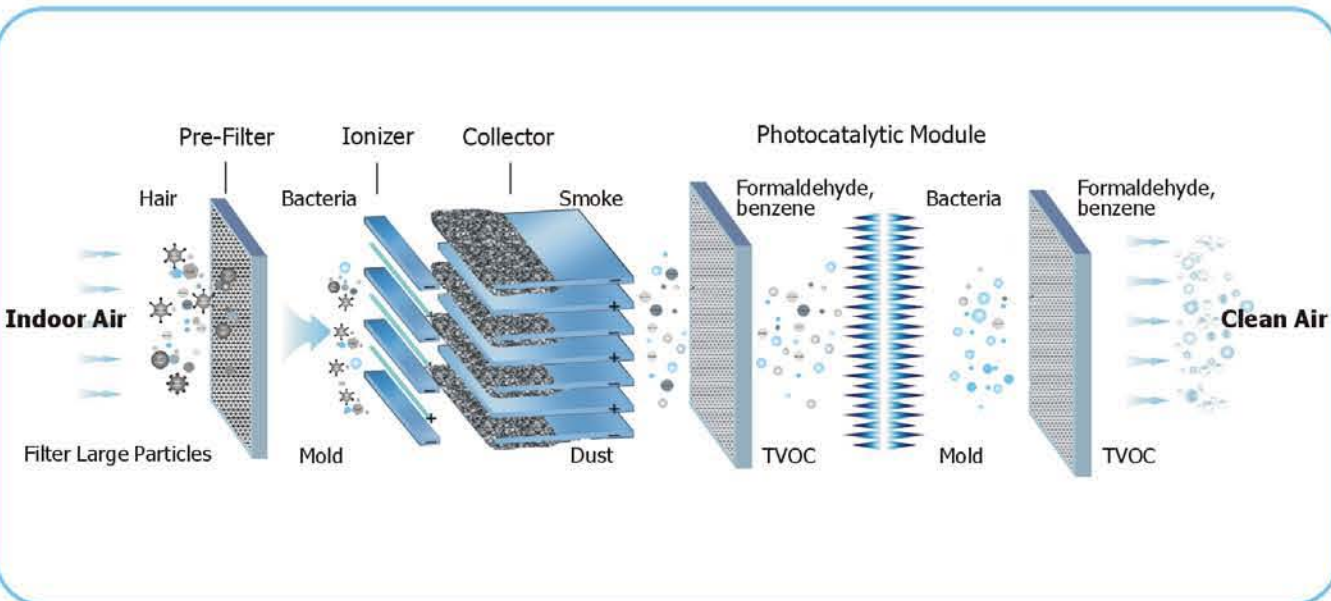
\* The above size and air volume is for reference, which can be customized according to the actual needs.



# PHOTOELECTRIC AIR PURIFICATION DEVICE

## Photoelectric Principle:

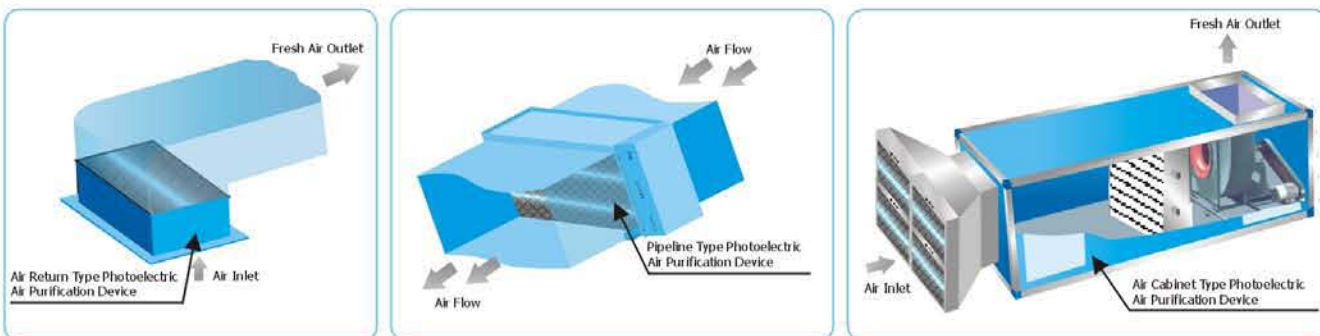
As shown on below picture, the central air conditioning system supplies air to the pre-filter to filter out large dust particles and hair; and sends to the plasma ionization zone which the plasma density is  $1.05 \times 10^{17} - 4.02 \times 10^{17} \text{m}^{-3}$ . The bacteria and molds are eliminated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

- 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 Purification Device

## Air Return Type Photoelectric Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
VBK-HGD-340	340m <sup>3</sup> /h	545 × 250 × 245(mm)	≤15W	-5 ~ 45℃
VBK-HGD-510	510m <sup>3</sup> /h	645 × 250 × 245(mm)	≤15W	-5 ~ 45℃
VBK-HGD-680	680m <sup>3</sup> /h	745 × 250 × 245(mm)	≤20W	-5 ~ 45℃
VBK-HGD-850	850m <sup>3</sup> /h	845 × 250 × 245(mm)	≤20W	-5 ~ 45℃
VBK-HGD-1020	1020m <sup>3</sup> /h	965 × 250 × 245(mm)	≤35W	-5 ~ 45℃
VBK-HGD-1360	1360m <sup>3</sup> /h	1265 × 240 × 180(mm)	≤40W	-5 ~ 45℃
VBK-HGD-1700	1700m <sup>3</sup> /h	1370 × 240 × 180(mm)	≤40W	-5 ~ 45℃
VBK-HGD-2040	2040m <sup>3</sup> /h	1660 × 240 × 180(mm)	≤55W	-5 ~ 45℃

\*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	500m <sup>3</sup> /h	473 × 185 × 495(mm)	≤15W	-5 ~ 45℃
VBK-GGD-1000	1000m <sup>3</sup> /h	473 × 283 × 495(mm)	≤15W	-5 ~ 45℃
VBK-GGD-2000	2000m <sup>3</sup> /h	885 × 283 × 495(mm)	≤30W	-5 ~ 45℃
VBK-GGD-3000	3000m <sup>3</sup> /h	1085 × 348 × 495(mm)	≤40W	-5 ~ 45℃
VBK-GGD-4000	4000m <sup>3</sup> /h	1085 × 445 × 495(mm)	≤50W	-5 ~ 45℃
VBK-GGD-5000	5000m <sup>3</sup> /h	1325 × 445 × 495(mm)	≤65W	-5 ~ 45℃
VBK-GGD-6000	6000m <sup>3</sup> /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	10000m <sup>3</sup> /h	1625 × 678 × 495(mm)	≤145W	-5 ~ 45℃
VBK-GGD-12000	12000m <sup>3</sup> /h	1735 × 730 × 495(mm)	≤190W	-5 ~ 45℃

\* 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	Environment Temperature
VBK-ZGD-1360	1360m <sup>3</sup> /h	500 × 348 × 255(mm)	≤20W	-5 ~ 45℃
VBK-ZGD-1700	1700m <sup>3</sup> /h	600 × 348 × 255(mm)	≤23W	-5 ~ 45℃
VBK-ZGD-2720	2720m <sup>3</sup> /h	500 × 663 × 255(mm)	≤40W	-5 ~ 45℃
VBK-ZGD-3400	3400m <sup>3</sup> /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.

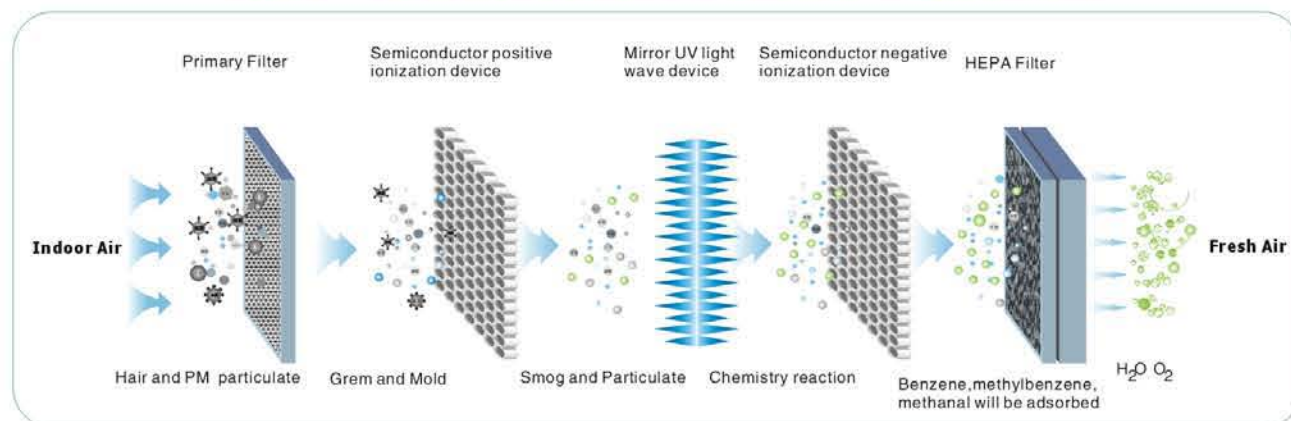




## NEW GENERATION AIR STERILIZER

- High Efficiency ■
- Energy Save ■
- Safe ■
- Environment Protection ■

### 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 ( $O_2^-$ ) and radicals ( $OH\cdot$ ), 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

Item	Model
	VBY-C-600
Air Circulation Max.	High 600m <sup>3</sup> /h Medium 400m <sup>3</sup> /h Low 200m <sup>3</sup> /h
Recommended Room	$\leq 60m^3$
Sterilization Rate	$\geq 99.99\%$ ( $\leq 0.3 \mu m$ Suspended particle concentration)
Air Cleanliness Class	100 class
Voltage / Frequency	220V ~ 50Hz
Input Power	$\leq 60W$
Speed	High, Medium, Low
Noise	High $\leq 55dB(B)$ Medium $\leq 45dB(B)$ Low $\leq 35dB(B)$
Weight	58KG
Dimension	900 × 700 × 1500mm
Type	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 after clean.

#### Model And Parameters

Item	Model			
	VBY-B-600	VBY-B-800	VBY-B-1000	VBY-B-1200
Air Circulation Max.	600m <sup>3</sup> /h	800m <sup>3</sup> /h	1000m <sup>3</sup> /h	1200m <sup>3</sup> /h
Recommended Room	≤ 60m <sup>3</sup>	≤ 80m <sup>3</sup>	≤ 100m <sup>3</sup>	≤ 120m <sup>3</sup>
Sterilization Rate	≥ 90%			
Noise	≤ 55dB(A)			
UV Lamp Life	≥ 8000-12000h			
Outer UV Leakage	≤ 5 μ w/cm <sup>2</sup>			
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°C ~ 45°C ≤ 90%RH			
Voltage / Frequency	AC220V ± 22V 50Hz ± 0.5Hz			
Dimension	1000 × 330 × 200mm			
Type	Wall Mounting Type			

#### Installation requirements

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



## WALL-MOUNTED TYPE

### 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

Item	Model	
	VBY-B-800	VBY-B-1200
Air Circulation Max.	800m <sup>3</sup> /h	1200m <sup>3</sup> /h
Recommended Room	≤ 80m <sup>3</sup>	≤ 120m <sup>3</sup>
Sterilization Rate	≥ 90%	
Noise	≤ 55dB(A)	
UV Lamp Life	≥ 8000-12000h	
Outer UV Leakage	≤ 5 μ w/cm <sup>2</sup>	
Ozone Concentration	≤ 0.1mg/m <sup>3</sup>	
Semiconductor Ionization Voltage	± 5.0 ~ 10.0KV	± 5.0 ~ 10.0KV
Input Power	≤ 95W	≤ 105W
Environment Temperature and Humidity	-5°C ~ 45°C ≤ 90%RH	
Voltage / Frequency	AC220V ± 22V 50Hz ± 0.5Hz	
Dimension	1000 × 330 × 200mm	
Type	Wall Mounting Type	

#### Installation requirements

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



## CEILING TYPE

## 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

Item	Model		
	VBY-Q-600	VBY-Q-800	VBY-Q-1000
Air Circulation Max.	600m <sup>3</sup> /h	800m <sup>3</sup> /h	1000m <sup>3</sup> /h
Recommended Room	≤ 60m <sup>3</sup>	≤ 80m <sup>3</sup>	≤ 100m <sup>3</sup>
Sterilization Rate	≥ 90% (0.5 μ m Suspended Particle Concentration)		
Noise	≤ 60dB(A)		
UV Lamp Life	≥ 8000-12000h		
Outer UV Leakage	≤ 5 μ w/cm <sup>2</sup>		
Ozone Concentration	≤ 0.1mg/m <sup>3</sup>		
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 fire-fighting pipe in the installation position.



## CEILING TYPE

## Plasma



### 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

Item	Model
	VBY-Q-1600
Air Circulation Max.	1600m <sup>3</sup> /h
Recommended Room	≤ 160m <sup>3</sup>
Noise	≤ 55dB(A)
Ozone Concentration	< 0.1mg/m <sup>3</sup>
Semiconductor Intensity	1.05 × 10 <sup>17</sup> -4.02 × 10 <sup>17</sup> m <sup>-3</sup>
Input Power	≤ 200W
Voltage / Frequency	220V-50Hz
Net Weight	49KG
Dimension	1240 × 655 × 375mm
Installation Dimension	1200 × 600 × 375mm
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 fire-fighting 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 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.
- Displaying air volume mode working status, wind speed option with high, medium and low.
- With function of maintenance reminders, sterilization factor cleaning tips, fault alarms, etc.
- The core semiconductor device is permanently used, does not need to be replaced, and just need to clean up regularly.

### Model And Parameters

Item	Model			
	VBY-G-600	VBY-G-800	VBY-G-1200	VBY-G-1500
Air Circulation Max.	600m <sup>3</sup> /h	800m <sup>3</sup> /h	1200m <sup>3</sup> /h	1500m <sup>3</sup> /h
Recommended Room	≤60m <sup>2</sup>	≤80m <sup>2</sup>	≤120m <sup>2</sup>	≤150m <sup>2</sup>
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/cm <sup>2</sup>			
Ozone Concentration	≤0.1mg/m <sup>3</sup>			
Semiconductor Ionization Voltage	±5.0 ~ 10.0KV			
Input Power	≤180W	≤190W	≤260W	≤270W
Environment Temperature and Humidity	-5°C ~ 45°C ≤90%RH			
Voltage / Frequency	AC220V ± 22V 50Hz ± 0.5Hz			
Dimension	458 × 348 × 1080mm			
Type	Cabinet Type			

### Installation requirements

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



## MOBILE TYPE

UV



### 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

Item	Model
	VBY-Y-1500
Air Circulation Max.	1500m <sup>3</sup> / h
Recommended Room	≤150m <sup>2</sup>
Noise	≤65dB (A)
UV Lamp Life	≥8000h
UV InTensity	48 ~ 54 μ w/cm <sup>2</sup> (1 meter Distance)
Outer UV Leakage	≤5w/cm <sup>2</sup>
Ozone Concentration	≤0.1mg/m <sup>3</sup>
Negative Ion InTensity	10 × 10 <sup>4</sup> pcs/m <sup>3</sup>
Input Power	≤170W
Voltage / Frequency	220V ~ 50Hz
Disinfection Time	90 mins
Dimension	540 x 420 x 840mm
Type	Mobile

### Installation requirements

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



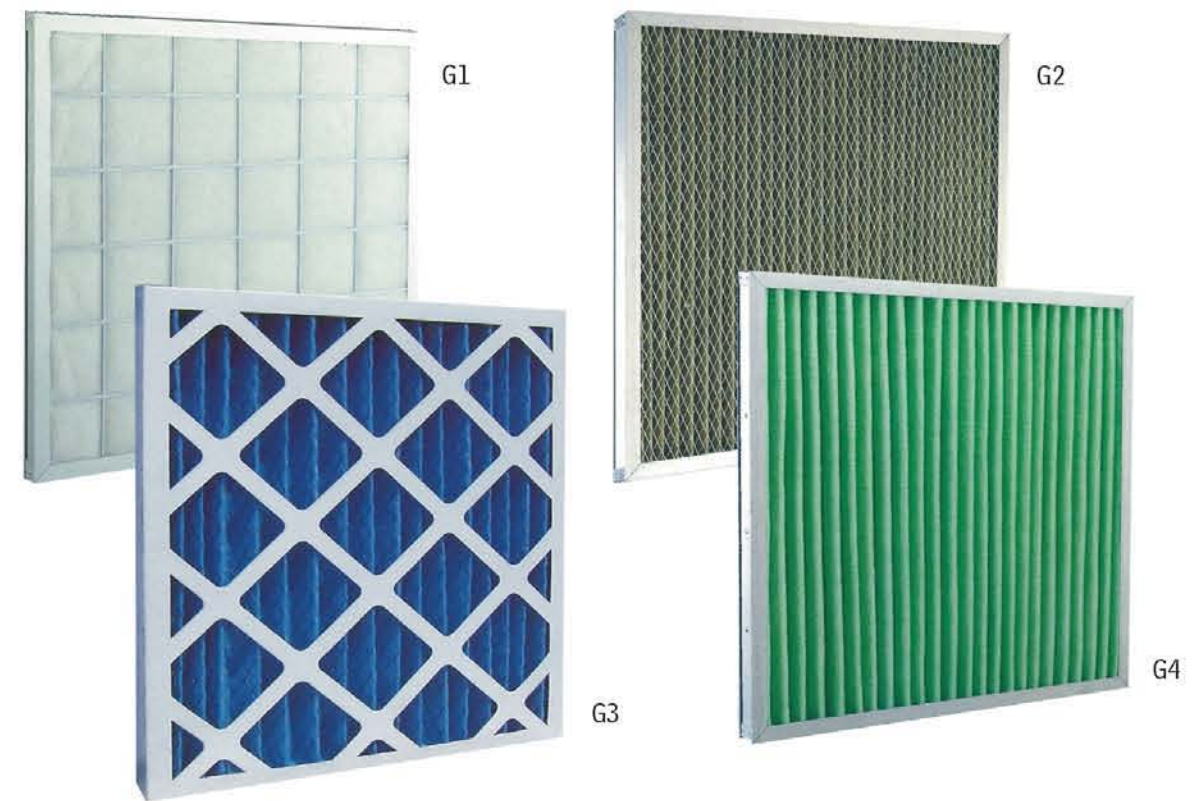
## Benefit From Advanced Filtration

- ◆ 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) W x H x D	Air Flow(m <sup>3</sup> /h)	Pressure Differential range(MPa)	Filter efficiency(%) En779		Material		
						Outer Frame	Filter Material	Filter Material
G1	595 × 595 × 21	3200	25	40	G1	Paper Aluminum alloy galvanized plate	G1 Grade Non-woven fabric	Double-sided Sprayed iron wire
	595 × 495 × 21	2700						Double-sided galvanized wire mesh
	595 × 295 × 21	1600						
	495 × 495 × 21	2200						
	295 × 295 × 21	800						
G2	595 × 595 × 46	3200	25	70	G2	Paper Aluminum alloy galvanized plate	G2 Grade Non-woven fabric	Double-sided Sprayed iron wire
	595 × 495 × 46	2700						Double-sided galvanized wire mesh
	595 × 295 × 46	1600						
	495 × 495 × 46	2200						
	295 × 295 × 46	800						
G3	595 × 595 × 46	3200	30	85	G3	Paper Aluminum alloy galvanized plate	G3 Grade Non-woven fabric	Double-sided Sprayed iron wire
	595 × 495 × 46	2700						Double-sided galvanized wire mesh
	595 × 295 × 46	1600						
	495 × 495 × 46	2200						
	295 × 295 × 46	800						
G4	595 × 595 × 46	3200	25	90	G4	Paper Aluminum alloy galvanized plate	G4 Grade Non-woven fabric	Double-sided Sprayed iron wire
	595 × 495 × 46	2700						Double-sided galvanized wire mesh
	595 × 295 × 46	1600						
	495 × 495 × 46	2200						
	295 × 295 × 46	800						

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

Model	Dimensions(mm) W x H x D	Air Flow(m <sup>3</sup> /h)	Pressure Differential range(MPa)	Material	
				Outer Frame	Filter Material
GN	595 x 595 x 50	-	-	Aluminum alloy galvanized plate	Nylon mesh
	500 x 500 x 50				
	495 x 495 x 15				
	480 x 480 x 15				
GH	595 x 595 x 21	-	-	Aluminum alloy or Stainless frame galvanized plate	Metal mesh
	595 x 495 x 21				
	595 x 295 x 21				
	495 x 495 x 21				
GT	595 x 595 x 50	-	-	Aluminum alloy or Stainless frame galvanized plate	Temperature resistant glass long fiber High temperature resistant short glass fiber
	500 x 500 x 50				
	495 x 495 x 15				
	480 x 480 x 15				
GC	595 x 595 x 46	3200	40	Aluminum alloy galvanized plate	Active felt
	595 x 495 x 46	2700			
	595 x 295 x 46	1600			
	495 x 495 x 46	2200			
	495 x 295 x 46	1300			
	295 x 295 x 46	800			

Note: Accept Customized.

## MEDIUM EFFICIENCY FILTER



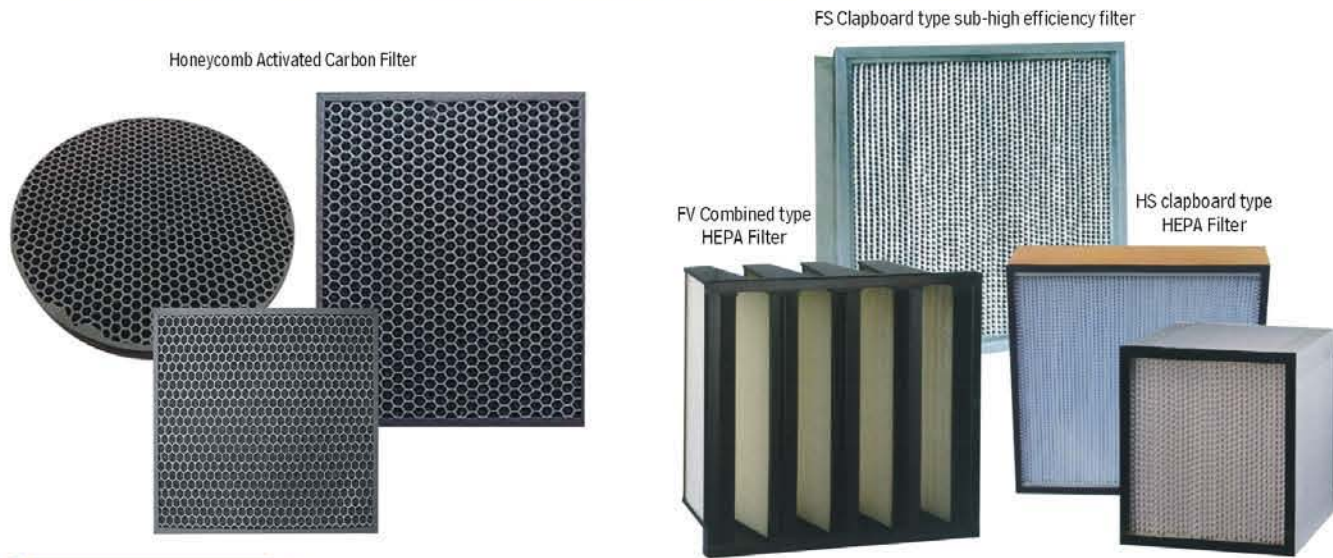
### Specification

Model	Dimensions(mm) W x H x D	Air Flow(m <sup>3</sup> /h)	PCS	Pressure Differential range(MPa)	Filter efficiency(%) En779		Material	
					Outer Frame	Filter Material		
F5	595 x 595 x 600	3200	6	25	40 Weighting method	F5	Aluminum alloy galvanized plate	F5 Non-woven fabric
	595 x 595 x 600	2700	5					
	595 x 495 x 600	2500	6					
	495 x 295 x 600	1600	6					
	495 x 295 x 600	1300	4					
F6	595 x 595 x 600	3200	6	55	60-70 Colorimetric method	F6	Aluminum alloy galvanized plate	F5 Non-woven fabric
	595 x 595 x 600	2700	5					
	595 x 495 x 600	2500	6					
	495 x 295 x 600	1600	6					
	495 x 295 x 600	1300	4					
F7	595 x 595 x 600	3200	10	110	80-85 Colorimetric method	F7	Aluminum alloy galvanized plate	F5 Non-woven fabric
	595 x 595 x 600	2700	8					
	595 x 495 x 600	2500	10					
	495 x 295 x 600	1600	10					
	495 x 295 x 600	1300	8					
F8	595 x 595 x 600	3200	10	120	90-95 Colorimetric method	F8	Aluminum alloy galvanized plate	F5 Non-woven fabric
	595 x 595 x 600	2700	8					
	595 x 495 x 600	2500	10					
	495 x 295 x 600	1600	10					
	495 x 295 x 600	1300	8					
F9	595 x 595 x 600	3200	6	120	97-98 Colorimetric method	F9	Aluminum alloy galvanized plate	F5 Non-woven fabric
	595 x 795 x 600	2700	6					
	595 x 295 x 600	1600	6					
	495 x 495 x 600	2200	4					
	495 x 295 x 600	1300	4					
	495 x 295 x 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



## Specification

Honeycomb activated carbon Filter						
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	≤60℃
Dimensions W × H × D	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	1. 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. 2. The honeycomb activated carbon filter of the paper frame is as disposable as possible.					

Note: Accept Customized.

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

Note: Accept Customized.

# 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	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 μm
HR	610 × 610 × 50	800	About 450	0.60	≤160	400	99.99% Above
	915 × 610 × 50	1200	About 450	0.60			
	610 × 610 × 69	1000	About 450	0.75			
	915 × 610 × 69	1500	About 450	0.75			
	1170 × 570 × 69	1600	About 450	0.97			
	915 × 610 × 90	1900	About 450	0.97			
HU	610 × 610 × 50	470	About 450	0.35	≤170	400	99.9995% Above
	915 × 610 × 50	700	About 700	0.35			
	610 × 610 × 69	600	About 650	0.45			
	915 × 610 × 69	900	About 950	0.45			
	1170 × 570 × 69	800	About 800	0.6			
	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 Differential range (MPa)	Filter efficiency (%)	Material			
						Filter Material	Separator	Sealant	Outer Frame
HV	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 conditions Custom professional purification equipment provide a comprehensive solution

- Independent research and development leading technology
- Waste Gas Treatment 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 flw 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.



Coating



Painting



Printing



Home appliance



Ink



Chemical industry



Petrochemical



Medicine

# UV PHOTOCATALYST EXHAUST GAS PURIFIER

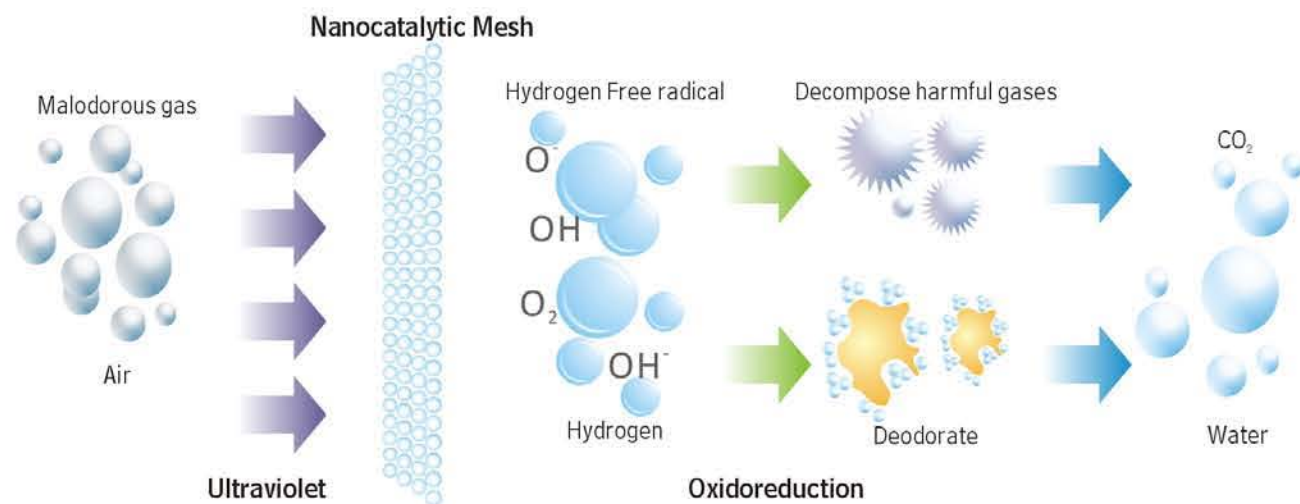
## Ultraviolet photolysis working principle

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<sub>2</sub>, H<sub>2</sub>O and so on under the irradiation of a high-energy ultraviolet light beam.

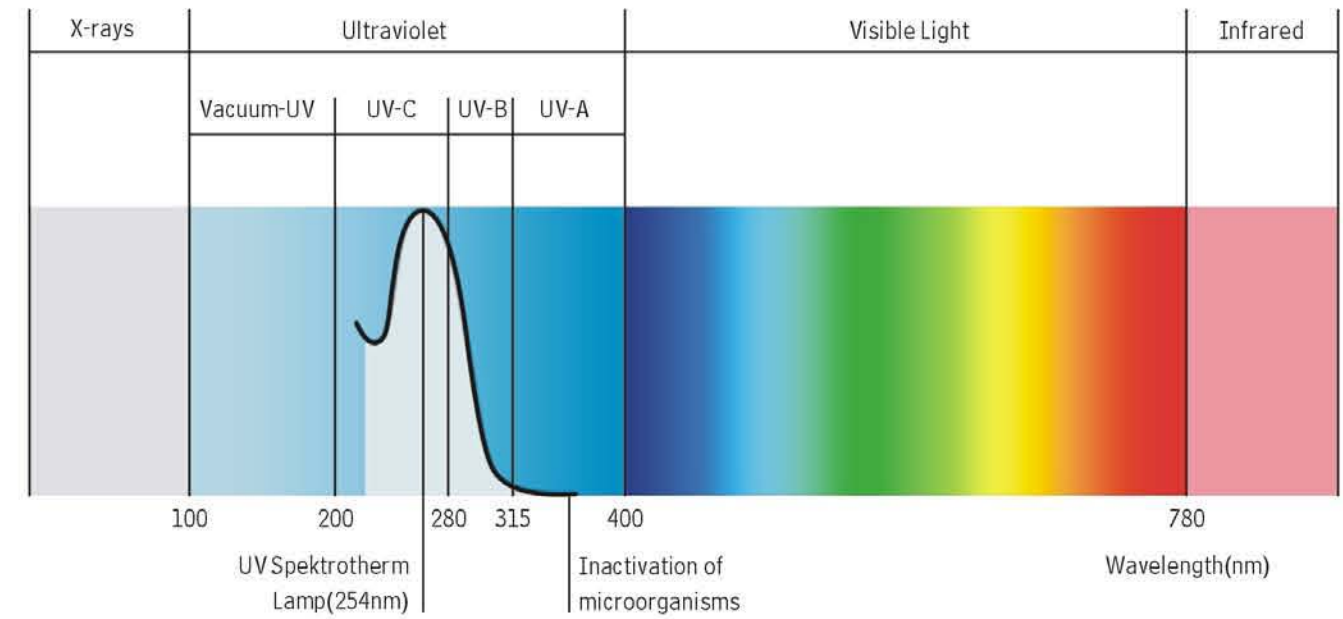


stainless steel  
Air volume 5000-60000m<sup>3</sup>/h

Carbon steel  
Air volume 5000-60000m<sup>3</sup>/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

<p>German UV Tech, Deodorization Rate 99%</p>	<p>High Security</p>	<p>Convenient Install and Maintain</p>	<p>Low Operation Cost</p>
<p>Aluminum Foil TiO<sub>2</sub>, U-type UV Lamp</p>	<p>Surface Q235 Carbon Steel / 201#304# Stainless Steel</p>	<p>Pre-filter 2-4year Lifetime</p>	<p>-30°C ~60°C, Humidity 70%</p>

## 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

<p>High Purification Rate 95%</p>	<p>High Security</p>	<p>Low Operation Cost</p>	<p>Intelligent Operation</p>
<p>Convenient Install and Maintain</p>	<p>Power Supplied With Different Units Group</p>	<p>Pre-Filter Plate 2-4year Lifetime</p>	<p>Optional Unit Combined</p>

# LOW/HIGH VACUUM ELECTROSTATIC OIL FUME PURIFIER HIGH EFFICIENCY

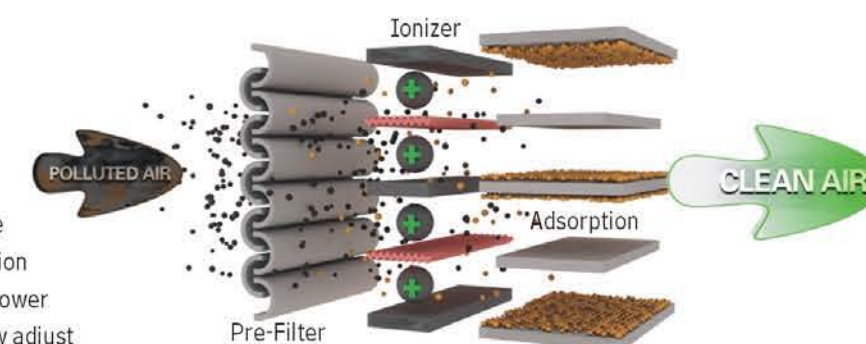


## Feature

- 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, electronics 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



Waste Incineration



Auto Industry



Restaurant Kitchen



Barbecue Restaurant



Hot Pot Restaurant

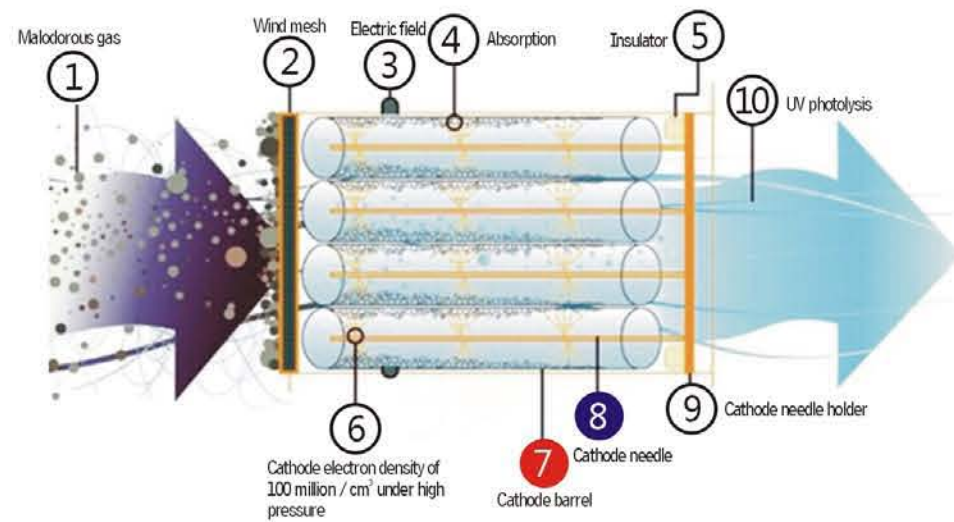
# PLASMA PHOTOCATALYSIS EXHAUSTED GAS PURIFIER



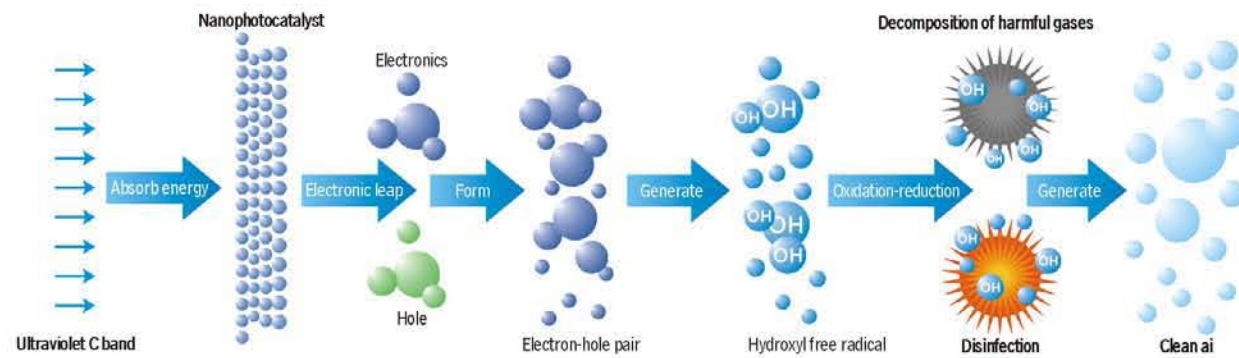
stainless steel  
Air volume 3000-60000m<sup>3</sup>/h

Carbon steel  
Air volume 3000-60000m<sup>3</sup>/h

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



- $3O_2 + UV \rightarrow 2O_3$
- $H_2O + UV \rightarrow OH + H \rightarrow OH + HO_2$



## 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



Petroleum exhausted gas purification



Sewage treatment purification



Poultry farms exhausted air purification

German UV Tech,  
Deodorization Rate 99%



High Security



Convenient Install and  
Maintain



Low Operation Cost



Aluminum Foil TiO<sub>2</sub>,  
U-type UV Lamp



Surface Q235 Carbon Steel  
/ 201#304# Stainless Steel



Pre-filter 2-4year Lifetime



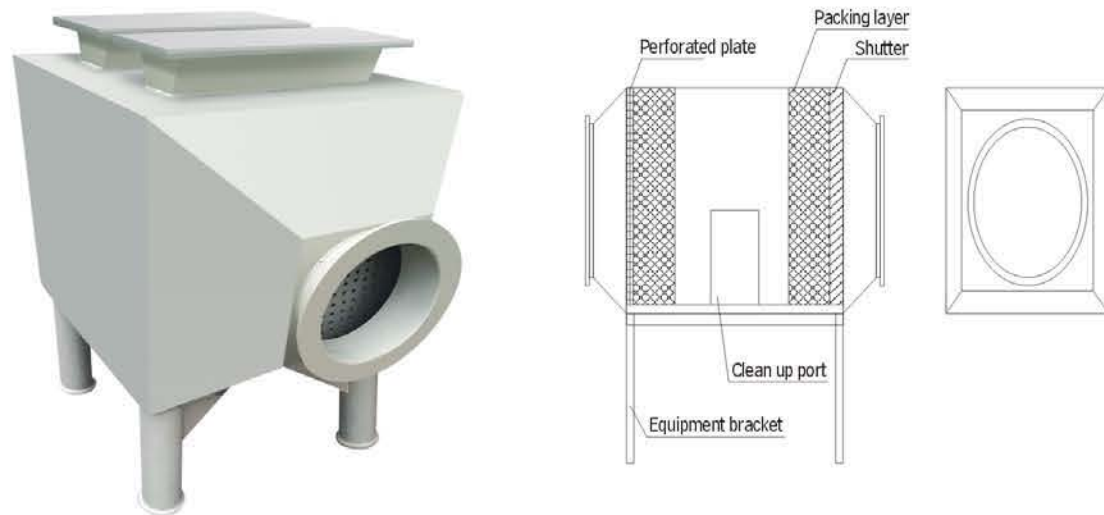
-30°C ~60°C, Humidity 70%



## 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 wastewater can also be used in conjunction with other water treatment plants.

## APPLICATIONS



High Class Hotel



Business Building



Super Market



Hospital



Blood Station



Community Healthcare Service



Research Laboratory



Pharmaceutical Company



Chemical Factory



Airport



Railway Station



Bank



Restaurant Kitchen



Beauty Parlor



Kindergarten