

# ULTRAUV

Disinfection systems with  
ultraviolet radiation

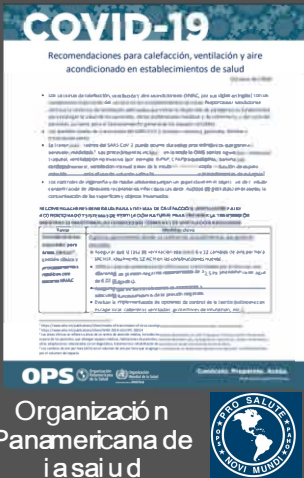


quality performance flexibility

Delta T Group

**Complies with international COVID-19  
prevention requirements**

**BACTERICIDAL CLEANING SYSTEMS  
PRECISION AIR CONDITIONERS  
CENTRAL AIR CONDITIONERS  
MEDICAL INSTALLATIONS  
INSTALLATIONS FOR SWIMMING POOLS  
HUMIDIFIERS  
CONVECTORS  
AUTOMATION  
DEHUMIDIFIERS  
DRAYCOOLERS  
FAN COILS  
COOLING TOWERS  
CHILLERS**



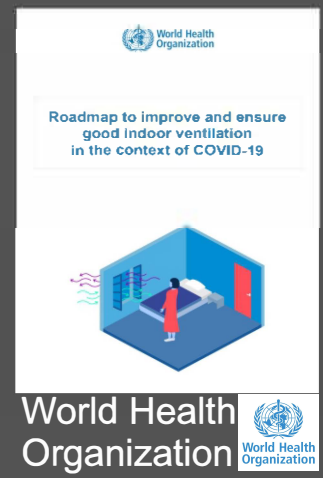
Organizació n  
Panamericana de  
la salud



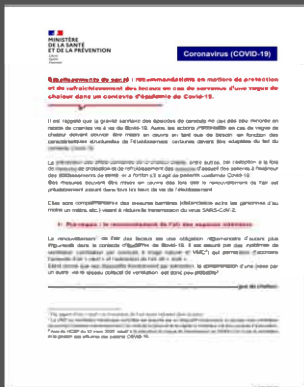
Istituto Superiore  
di Sanità Italy



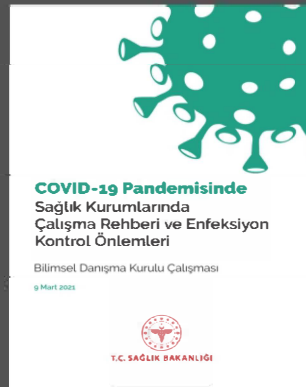
AWMF  
online



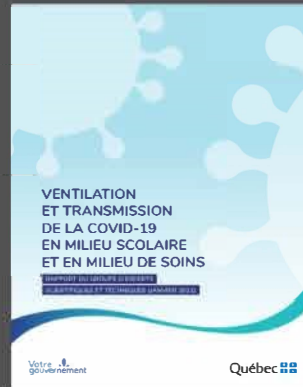
World Health  
Organization



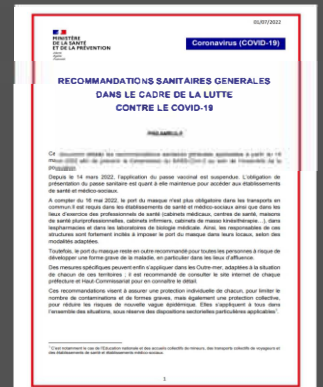
Ministère de la  
santé et de la  
prévention  
France



Türkiye Sağlık  
Bakanlığı



Gouvernement  
du Québec  
Canada



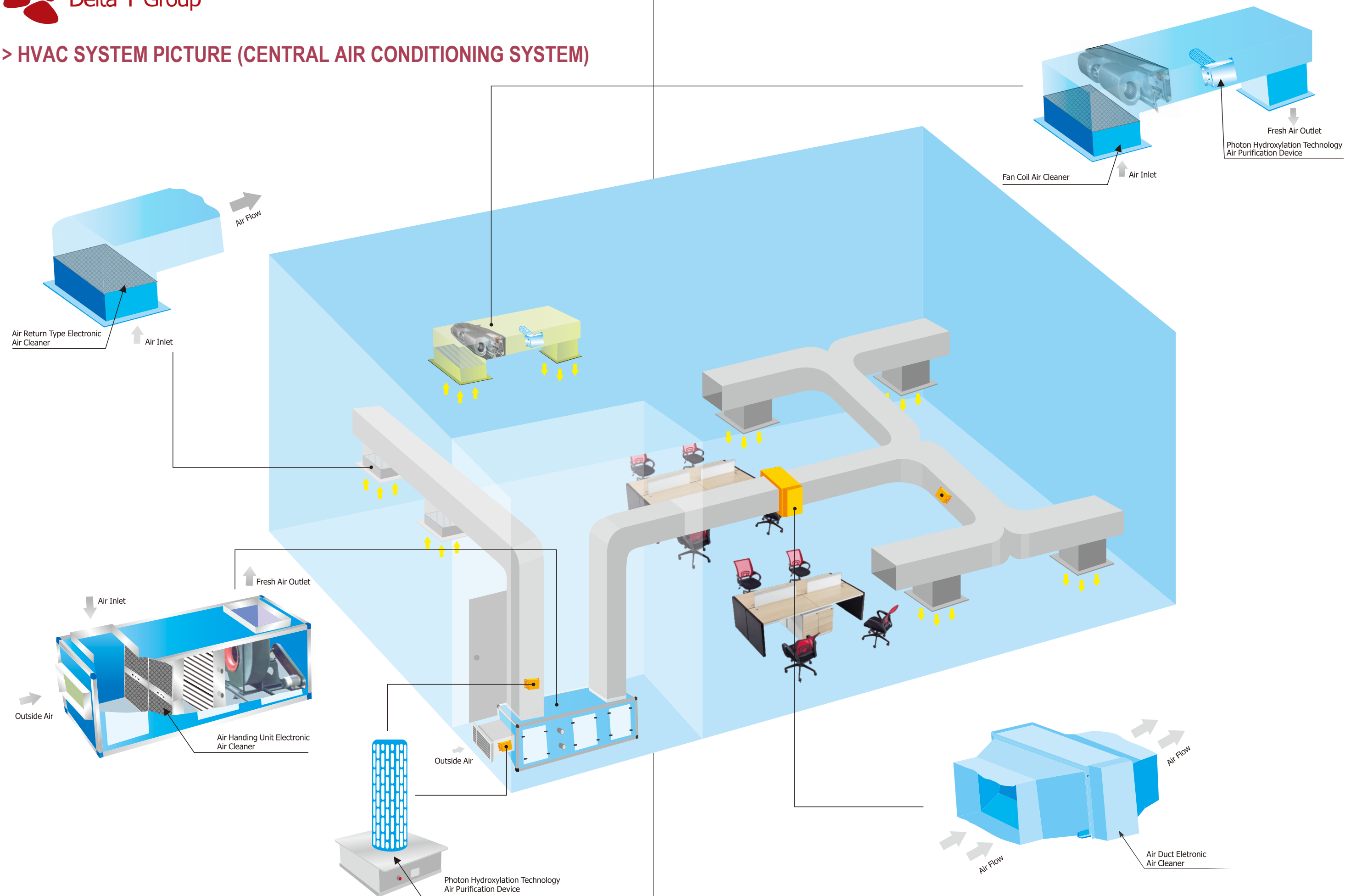
Ministère des  
solidarités de  
l'autonomie et des  
personnes handi  
capes France



mosvent.com



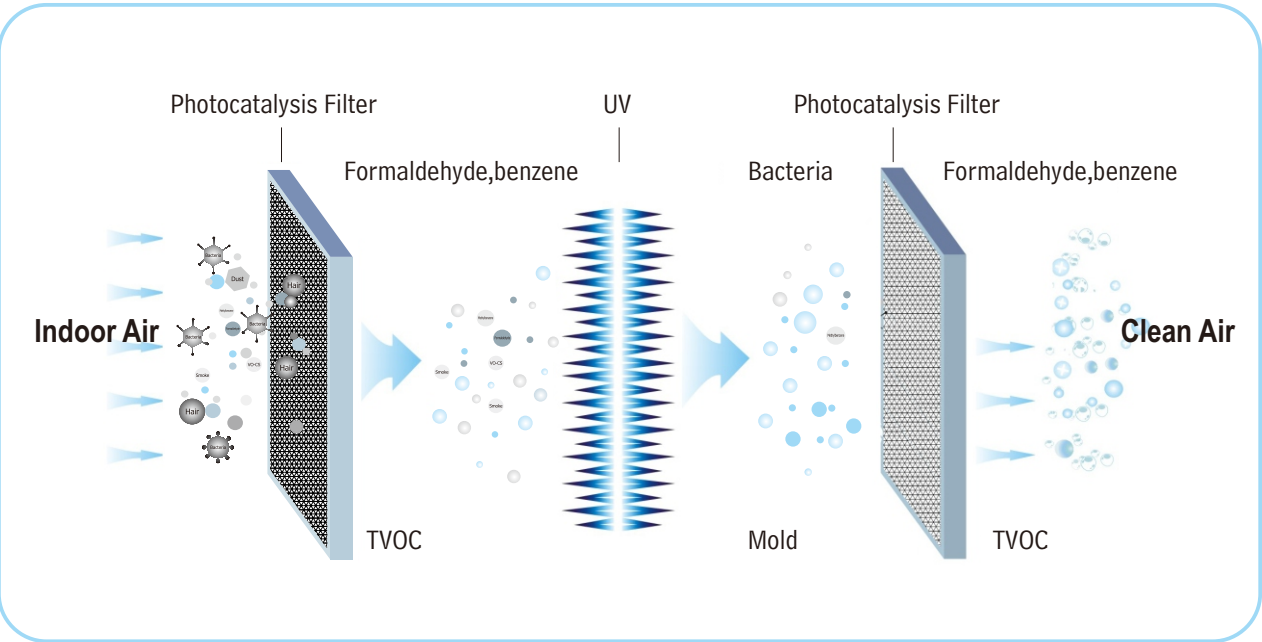
> HVAC SYSTEM PICTURE (CENTRAL AIR CONDITIONING SYSTEM)



>PHOTOCATALYTIC AIR PURIFICATION DEVICE

>Photon Catalytic Purification

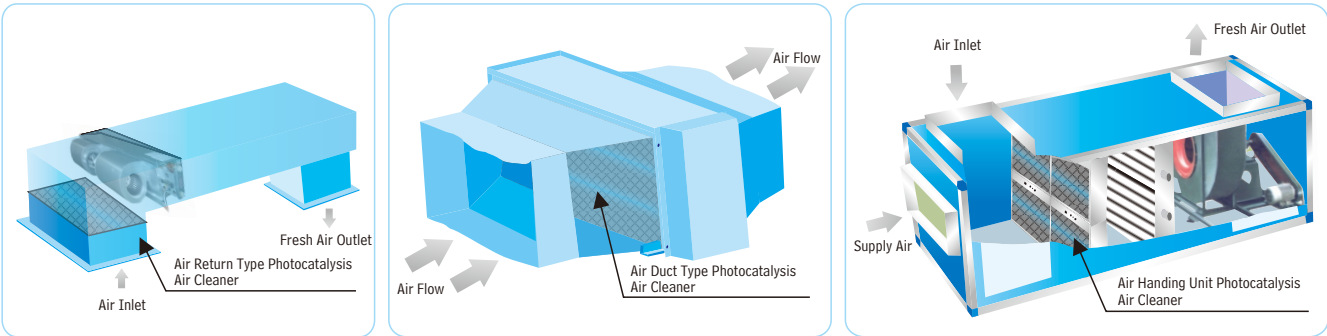
As shown on below picture, the central air conditioning system supplies air to the Pre-filter to filter out some particles; and they gets the electron voltage in Photocatalysis Filter (TiO2)by the effect of UV light which can decomposes harmful gases such as formaldehyde, benzene, TVOC, etc. It is sent 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.



>Products Function And Features

- High efficiency to kill bacteria, virus and harmful microorganisms.
- Decompose harmful gases, such as formaldehyde, benzene, ammonia, TVOC, ect.
- Easy maintenance.
- Low power consumption.
- Low pressure drop.

>Installation Pictures



>PRODUCT MODELS AND PARAMETERS

Photocatalytic Air Purification Device

>Air Return Type Photocatalysis Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-HC-340	340m³/h	545 × 250 × 125(mm)	≤10W	-5 ~ 45℃
ACPD-HC-510	510m³/h	645 × 250 × 125(mm)	≤10W	-5 ~ 45℃
ACPD-HC-680	680m³/h	745 × 250 × 125(mm)	≤15W	-5 ~ 45℃
ACPD-HC-850	850m³/h	845 × 250 × 125(mm)	≤15W	-5 ~ 45℃
ACPD-HC-1020	1020m³/h	965 × 250 × 125(mm)	≤25W	-5 ~ 45℃
ACPD-HC-1360	1360m³/h	1265 × 250 × 125(mm)	≤30W	-5 ~ 45℃
ACPD-HC-1700	1700m³/h	1370 × 250 × 125(mm)	≤30W	-5 ~ 45℃
ACPD-HC-2040	2040m³/h	1660 × 250 × 125(mm)	≤40W	-5 ~ 45℃

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

>Induct Type Photocatalytic Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-GC-500	500m³/h	473 × 185 × 150~350(mm)	≤10W	-5 ~ 45℃
ACPD-GC-1000	1000m³/h	473 × 283 × 150~350(mm)	≤10W	-5 ~ 45℃
ACPD-GC-2000	2000m³/h	885 × 283 × 150~350(mm)	≤20W	-5 ~ 45℃
ACPD-GC-3000	3000m³/h	1085 × 348 × 150~350(mm)	≤30W	-5 ~ 45℃
ACPD-GC-4000	4000m³/h	1085 × 445 × 150~350(mm)	≤40W	-5 ~ 45℃
ACPD-GC-5000	5000m³/h	1325 × 445 × 150~350(mm)	≤50W	-5 ~ 45℃
ACPD-GC-6000	6000m³/h	1625 × 445 × 150~350(mm)	≤60W	-5 ~ 45℃
ACPD-GC-8000	8000m³/h	1625 × 538 × 150~350(mm)	≤80W	-5 ~ 45℃
ACPD-GC-10000	10000m³/h	1625 × 678 × 150~350(mm)	≤120W	-5 ~ 45℃
ACPD-GC-12000	12000m³/h	1735 × 730 × 150~350(mm)	≤160W	-5 ~ 45℃

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

>AHU Type Photocatalytic Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-ZC-1360	1360m³/h	350 × 348 × 80~100(mm)	≤15W	-5 ~ 45℃
ACPD-ZC-1700	1700m³/h	600 × 348 × 80~100(mm)	≤18W	-5 ~ 45℃
ACPD-ZC-2720	2720m³/h	500 × 663 × 80~100(mm)	≤30W	-5 ~ 45℃
ACPD-ZC-3400	3400m³/h	600 × 663 × 80~100(mm)	≤36W	-5 ~ 45℃

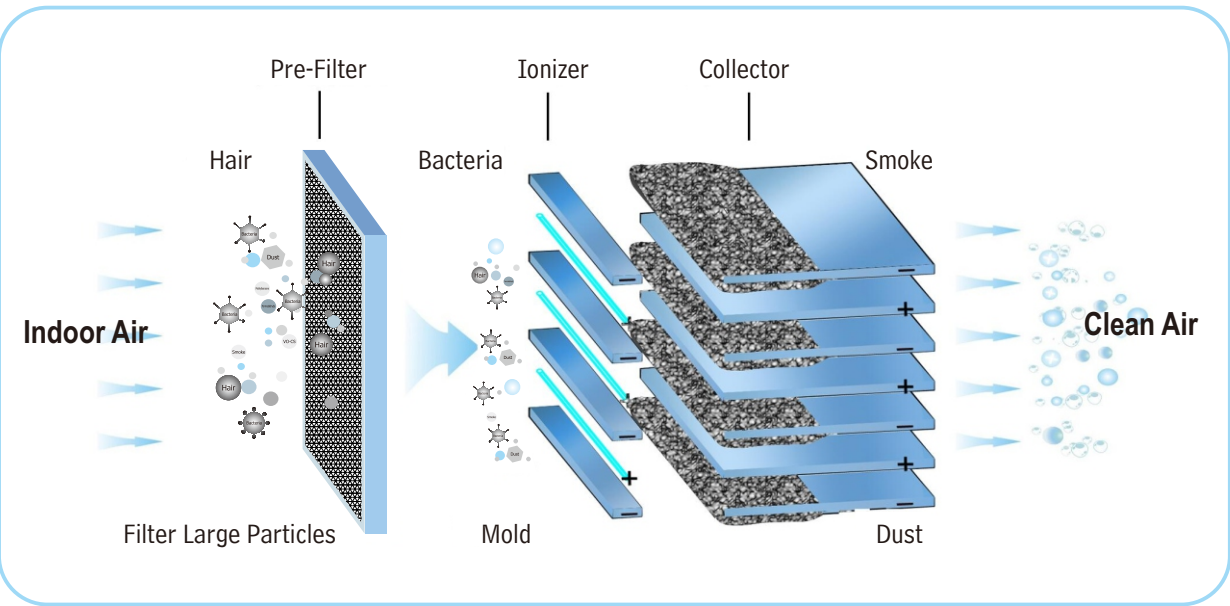
\* The above size and air volume is for reference, which can be customized according to actual needs.



## >PLASMA AIR PURIFICATION DEVICE

### > Plasma Principle

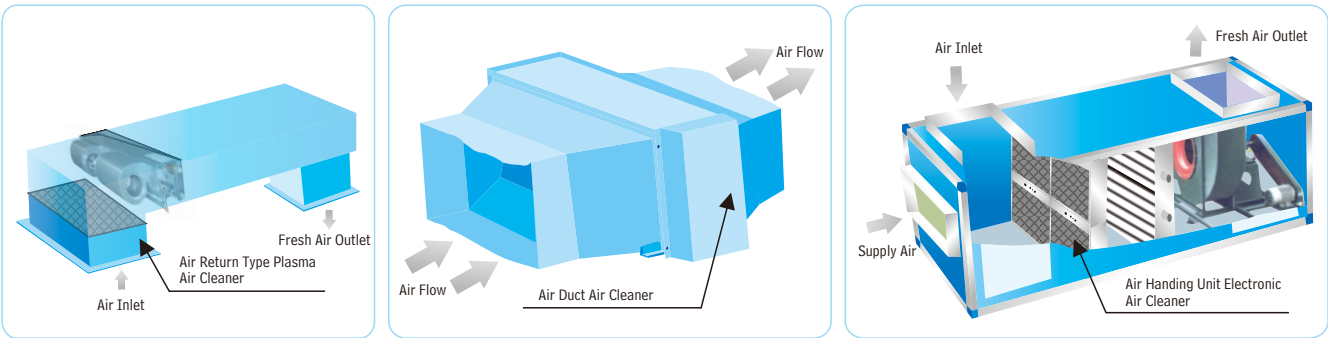
As shown on picture, the central air conditioning system supplies air to the pre-filter to filter out large particles of dust and hair; then, it is sent to a high-voltage DC 8000V ionization area, and under the action of the ionization area, the bacteria passing through the ionization area and the mold is ionized and penetrated, and it loses its activity and dies. At the same time, it passes through the parallel plate of alternating positive and negative in the dust collecting area, and has a DC voltage of 4000 volts. The dust and smoke in the air are adsorbed by the coulomb force, at last the fresh air outlet.



### >Products Function And Features

- High Sterilization Effect: natural bacteria and virus in the air eliminated rate $\geq 99.00\%$ .
- High purification effect: remove PM2.5  $\geq 96.50\%$ .
- Energy saving and environment protection: the device designed in module (1000m3/h) power  $\leq 5W$ .
- Recycling: Plasma modules and pre-filters can be cleaned after dust accumulation.
- Control: Pneumatic sensor technology, windy open, no wind off.
- Connected with the central air conditioner for turn OFF/ON.
- Easy maintenance: open the maintenance cover and directly extract the plasma module for cleaning.

### >Installation Pictures



## >PRODUCT MODELS AND PARAMETERS

Plasma Air Purification Device

### > Air Return Type Plasma Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-HD-340	340m³/h	545 × 250 × 100~180(mm)	≤5W	-5 ~ 45℃
ACPD-HD-510	510m³/h	645 × 250 × 100~180(mm)	≤5W	-5 ~ 45℃
ACPD-HD-680	680m³/h	745 × 250 × 100~180(mm)	≤5W	-5 ~ 45℃
ACPD-HD-850	850m³/h	845 × 250 × 100~180(mm)	≤5W	-5 ~ 45℃
ACPD-HD-1020	1020m³/h	965 × 250 × 100~180(mm)	≤10W	-5 ~ 45℃
ACPD-HD-1360	1360m³/h	1265 × 250 × 100~180(mm)	≤10W	-5 ~ 45℃
ACPD-HD-1700	1700m³/h	1370 × 250 × 100~180(mm)	≤10W	-5 ~ 45℃
ACPD-HD-2040	2040m³/h	1660 × 250 × 100~180(mm)	≤15W	-5 ~ 45℃

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

### >Induct Type Plasma Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-GD-500	500m³/h	473 × 185 × 150 ~ 410(mm)	≤5W	-5 ~ 45℃
ACPD-GD-1000	1000m³/h	473 × 283 × 150 ~ 410(mm)	≤5W	-5 ~ 45℃
ACPD-GD-2000	2000m³/h	885 × 283 × 150 ~ 410(mm)	≤10W	-5 ~ 45℃
ACPD-GD-3000	3000m³/h	1085 × 348 × 150 ~410(mm)	≤10W	-5 ~ 45℃
ACPD-GD-4000	4000m³/h	1085 × 445 × 150 ~410(mm)	≤10W	-5 ~ 45℃
ACPD-GD-5000	5000m³/h	1325 × 445 × 150 ~410(mm)	≤15W	-5 ~ 45℃
ACPD-GD-6000	6000m³/h	1625 × 445 × 150 ~410(mm)	≤15W	-5 ~ 45℃
ACPD-GD-8000	8000m³/h	1625 × 538 × 150 ~410(mm)	≤20W	-5 ~ 45℃
ACPD-GD-10000	10000m³/h	1625 × 678 × 150 ~410(mm)	≤25W	-5 ~ 45℃
ACPD-GD-12000	12000m³/h	1735 × 730 × 150 ~410(mm)	≤30W	-5 ~ 45℃

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

### >AHU Type Photoelectric Air Purification Device

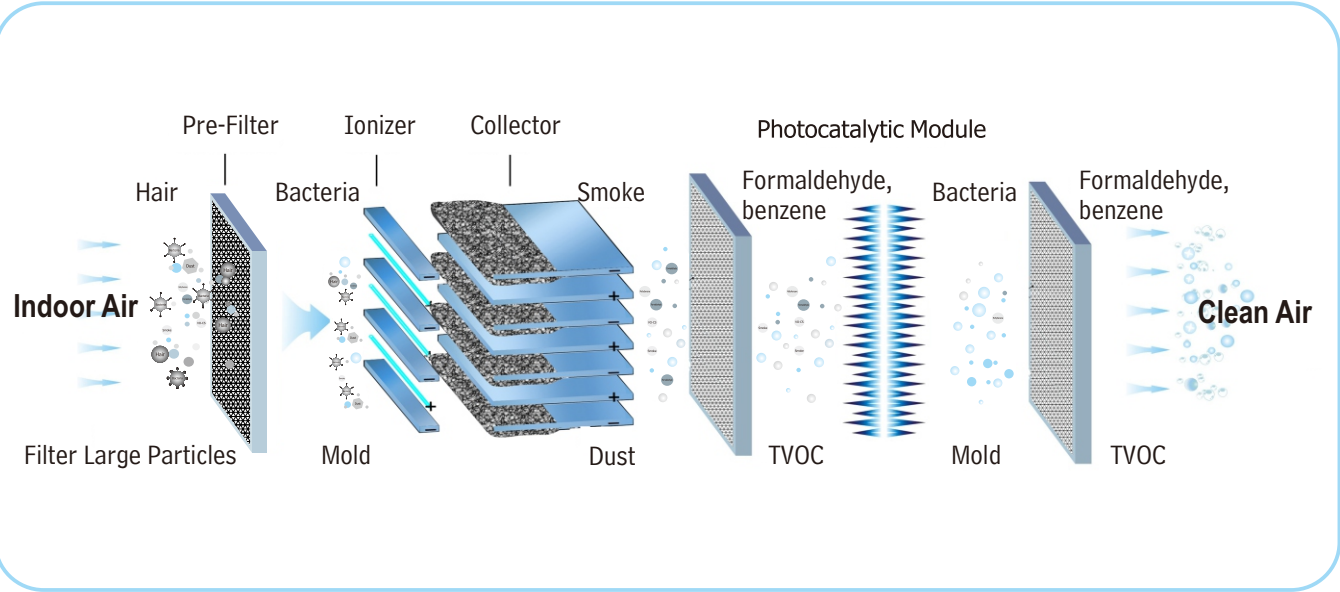
Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-ZD-1360	1360m³/h	500 × 348 × 100 ~180(mm)	≤5W	-5 ~ 45℃
ACPD-ZD-1700	1700m³/h	600 × 348 × 100 ~180(mm)	≤5W	-5 ~ 45℃
ACPD-ZD-2720	2720m³/h	500 × 663 × 100 ~180(mm)	≤10W	-5 ~ 45℃
ACPD-ZD-3400	3400m³/h	600 × 663 × 100 ~180(mm)	≤10W	-5 ~ 45℃

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

>PHOTOELECTRIC AIR PURIFICATION DEVICE

>Photoelectric Principle

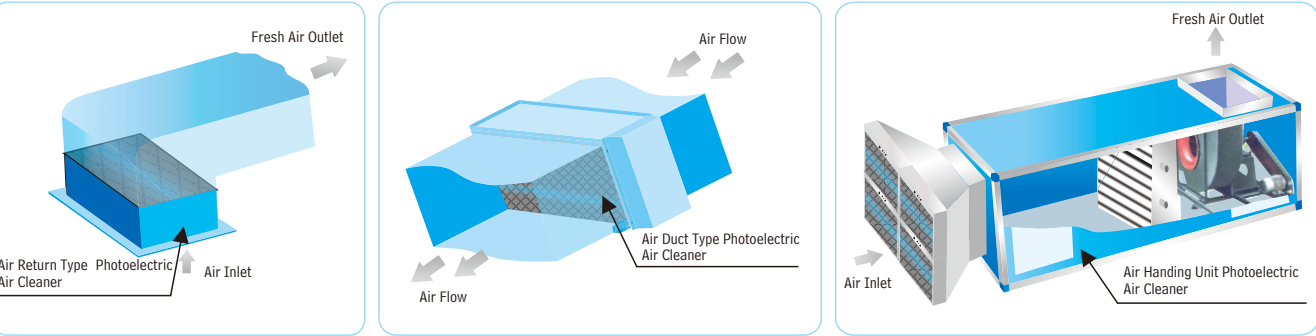
As shown on below picture, the central air conditioning system supplies air to the pre-filter to filter out large dust particles and hair; and sends to the plasma ionization zone which the plasma density is  $1.05 \times 10^{17} \sim 4.02 \times 10^{17} \text{ m}^{-3}$ . The bacteria and molds are eliminated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



>Products Function And Features

- 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 efficiency 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 Pictures



> PRODUCT MODELS AND PARAMETERS

Photoelectric Air Purification Device



>Air Return Type Photoelectric Air Purification Device

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

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

>Induct Type Photoelectric Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-GGD-500	500m³/h	473 × 185 × 180 ~ 495(mm)	≤ 15W	-5 ~ 45℃
ACPD-GGD-1000	1000m³/h	473 × 283 × 180 ~ 495(mm)	≤ 15W	-5 ~ 45℃
ACPD-GGD-2000	2000m³/h	885 × 283 × 180 ~ 495(mm)	≤ 30W	-5 ~ 45℃
ACPD-GGD-3000	3000m³/h	1085 × 348 × 180 ~ 495(mm)	≤ 40W	-5 ~ 45℃
ACPD-GGD-4000	4000m³/h	1085 × 445 × 180 ~ 495(mm)	≤ 50W	-5 ~ 45℃
ACPD-GGD-5000	5000m³/h	1325 × 445 × 180 ~ 495(mm)	≤ 65W	-5 ~ 45℃
ACPD-GDG-6000	6000m³/h	1625 × 445 × 180 ~ 495(mm)	≤ 75W	-5 ~ 45℃
ACPD-GGD-8000	8000m³/h	1625 × 538 × 180 ~ 495(mm)	≤ 100W	-5 ~ 45℃
ACPD-GGD-10000	10000m³/h	1625 × 678 × 180 ~ 495(mm)	≤ 145W	-5 ~ 45℃
ACPD-GGD-12000	12000m³/h	1735 × 730 × 180 ~ 495(mm)	≤ 190W	-5 ~ 45℃

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



>AHU Type Photoelectric Air Purification Device

Model	Air circulation	Product Size	Input Power	Environment Temperature
ACPD-ZGD-1360	1360m³/h	500 × 348 × 180 ~ 245(mm)	≤ 20W	-5 ~ 45℃
ACPD-ZGD-1700	1700m³/h	600 × 348 × 180 ~ 245(mm)	≤ 23W	-5 ~ 45℃
ACPD-ZGD-2720	2720m³/h	500 × 663 × 180 ~ 245(mm)	≤ 40W	-5 ~ 45℃
ACPD-ZGD-3400	3400m³/h	600 × 663 × 180 ~ 245(mm)	≤ 46W	-5 ~ 45℃

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

