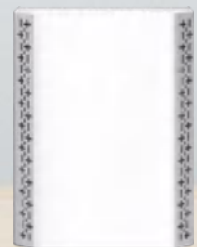


Plasma Air Disinfection System



Breathe Nature Indoors



Origin of Plasma Air Technology

Air purification itself exists in nature. The flawlessness and infinite creativity of nature's processes establish the scale, process and results of the operation of anything, thereby instructing us to understand the mystery.

The process of air ionization imitates nature. We develop different products according to different indoor environments, and according to the ion concentration in nature, the ions in the indoor air will always be replenished. The ion concentration in nature is 800/cm³, including 400 positive and negative ions each.

Using ionization technology, we can artificially realize the high-efficiency and harmless ionization process of natural air self-purification. While maintaining the life of ions for about 2.5 hours, and then controlling the concentration of ions, we can produce positive and negative ions similar to those in nature. The purpose of purifying indoor air is to make indoor air reach the level of air quality in urban parks.

Can you remember the fresh air of waterfalls, mountains, seashores and after heavy rains, because it is rich in active ions. The plasma air disinfection and purification system can generate a large number of positive and negative ions and control their quantity. Negative ions contain an extra electron, while positive ions lack an electron. This unstable electron ensures the activity of the ions, thereby ensuring the best effect of disinfection and sterilization of the positive and negative ions and air purification.

Do you still remember the fresh air after rainstorms



Plasma Air Disinfection & Purification Technology

Human & Machine Can Coexist



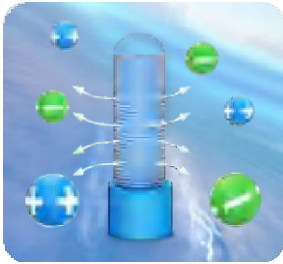
Plasma air disinfection and purification system-applying knowledge of physics, chemistry, biology and environmental engineering, created plasma air disinfection and purification technology, and successfully realized Einstein's ionization theory. By simulating the natural air environment, the indoor air quality has been significantly improved, and various harmful pollutants can be quickly and effectively removed and decomposed. This is our belief :You can also enjoy the forest-like air at home.



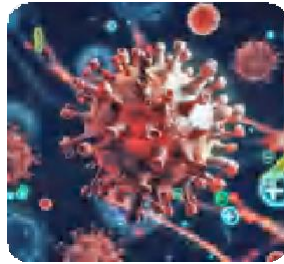
Our technology solves the negative problems of many traditional disinfection technologies such as activated carbon, photoion generator, ozone generator, high-voltage static electricity, photocatalyst, etc. And it can quickly disinfect and sterilize, reduce dust in the air, neutralize and decompose pollutants in the air, and remove volatile organic compounds. It is an effective way to clean and purify the air!

Working Principle

The ionization system of plasma air (Plasma ions) uses a specific voltage principle to work. The internal/external electrodes of the positive and negative ion generator (separated from each other by an insulator) force the discharge to trigger, and then generate ion clusters close to nature. These millions of charged ion clusters actively collide with bacteria, viruses, and other harmful substances in the air, breaking through cell membranes, DNA and proteins, causing them to quickly rupture and lose their activity until they are killed and decomposed. This method is called It is air ionization technology.



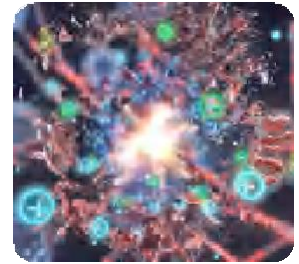
The plasma tube produces a large amount of positive and negative ions



Charged ion cluster activeAttack viruses and bacteria



Destroy cell membranes, viruses DNA and protein



Make it lose activity quickly Until it is killed and decomposed

Benefits of Plasma

Reduce dust particles/haze

Dust particles and pollen in the air are combined through ionic bonds, and these charged particles quickly condense into particles, increasing their size and being easily removed by the filter, reducing bacteria in the respiratory zone.

Neutralizes odors/deodorizes

The odorous gas will be combined and oxidized by the active ions, and the odor, odor and other polluted air will be quickly neutralized and decomposed by the positive and negative ions and finally eliminated.

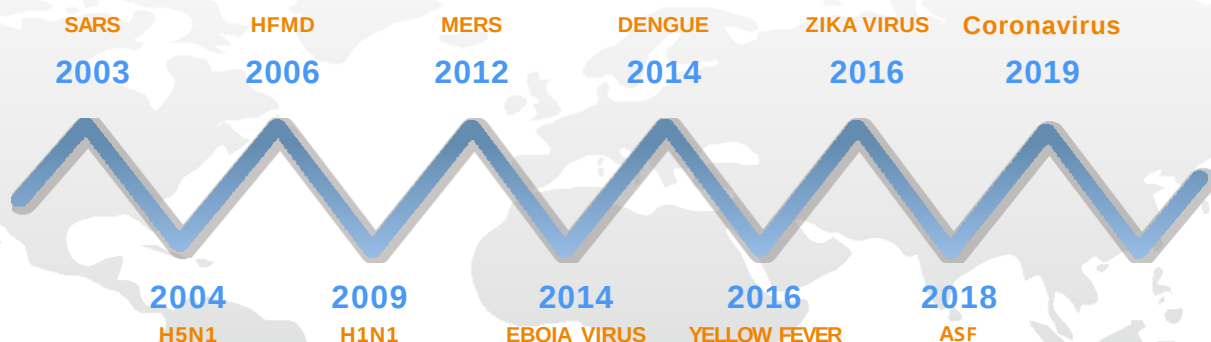
Disinfection /sterilization

In the balanced positive and negative ion air, a certain amount of energy is generated when the electron pulses discharge. When the electron collides with viruses and bacteria, the energy transferred is the same or similar to the bond energy of the chemical bonds, and these bonds will be broken. Viruses and bacteria Can't breed anymore.

In addition to HCHO /TVOC/Benzene

Carpets, building materials, furniture, paints, solvents or pesticides contain various volatile organic compounds. When ions collide with these volatile organic compounds and attack and break these bonds, they will stimulate their atoms and molecular radicals to act The effect of activation or direct degradation together promotes the degradation of TVOC and produces CO₂ and H₂O.

Viruses & Bacteria keep harming our physical and mental health!



We need to be protected by a safe, efficient, and professional disinfection technology that can human and machine coexist.

Plasma Disinfection VS Other Air purification

Plasma ions technology is superior because it proactively treats the air in the occupied space at the source of contamination. Traditional end-of-pipe solutions utilize a reactive "pass-through" or "filtered" approach.

Mode Function	Plasma ions	PHOTOION GENERATOR	HIGH VOLTAGE STATIC ELECTRICITY	ACTIVATED CARBON FILTER 1	UV 2	Ozone machine	Chemical scrubber
Antibacterial and antivirus	Fast	General	General	—	Slowly	Medium	—
Human and machine coexistence	Support	Need to be designed	Support	Support	No	No	Support
Energy saving	UP to 50%	General	General	—	General	Excellent	—
Air resistance	—	—	—	High	—	—	High
Real-time purification air capacity	Excellent	Low	Low	Low	Medium	Medium	Invalid
Eliminate Harmful gas	Fast	Low	Low	General	Less	General	General
Eliminate Harmful pollutants	Fast	General	General	Low	Less	General	Fast
Replacement cost	Low	Medium	High	Medium	Low	Low	High
Safety reliability	High	General	General	High	General	Low	General
Purify the area	Widely	General	General	General	Medium	Medium	General

- 1) HEPA filters add significant pressure drop resulting in larger horsepower motors and increased fan energy.
- 2) Carbon has high first cost, additional space requirements in the air handling units and prohibitive media replacement costs.
- 3) At high levels, UV can create noxious gases and is mutagenic. Bacteria kill rates are negligible with no effectiveness in the un-occupied space.

Ventilation in-duct series



PS-300



PS-400

300 Adapted air volume:	300CFM/510m ³ /h
400 Adapted air volume:	400CFM/680m ³ /h
Weight:	100g/115g
Voltage:	5V DC (300) 12V DC (400)
Power:	4.0W/5.0W
Noise:	≤ 10dB
Shell Material:	ABS Flame retardant materials
Applicable area:	20m ² /30m ²
300 Dimensions:	128*57*34mm
400 Dimensions:	163*57*34mm
Tube size:	30mm(1.2 inch)/70mm (2.8 inch)
Number of ion tubes:	1
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



Horizontal

PS-500



Vertical section

Adapted air volume:	580CFM/1000m ³ /h
Weight:	450g
Voltage:	12V DC / 24VDC
Power:	5.0W
Noise:	≤ 10dB
Shell Material:	ABS Flame retardant materials
Applicable area:	30 ~ 50m ²
Dimensions:	133*70*154mm/200*70*50mm
Tube size:	80mm(3.1 inch)
Number of ion tubes:	1
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-501SE

Adapted air volume:	1500CFM/2550m ³ /h
Weight:	1.0 kg
Voltage:	24V DC
Power:	6.0W
Noise:	≤ 20dB
Shell Material:	SPCC
Applicable area:	80m ²
Dimensions:	128*53*260mm
Tube size:	180mm(7 inch)
Number of ion tubes:	1
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-501S



PS-502S

501S Adapted air volume:	1500CFM/2550m ³ /h
502S Adapted air volume:	3000CFM/5100m ³ /h
Weight:	2.55kg/2.7kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	6.0W/8.0W
Noise:	≤ 20dB
Shell Material:	SPCC
Applicable area:	80m ² /150m ²
Dimensions:	178*103*260mm
Tube size:	180mm(7 inch)
Number of ion tubes:	1 (501S) 2 (502S)
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-501T



PS-502T

501T Adapted air volume:	3000CFM/5100m ³ /h
502T Adapted air volume:	5000CFM/8500m ³ /h
Weight:	2.85kg/3.1kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	10.0W/14.0W
Noise:	≤ 20dB
Shell Material:	Stainless steel
Applicable area:	100m ² /200m ²
Dimensions:	192*192*430mm
Tube size:	350mm(14.0 inch)
Number of ion tubes:	1 (501T) 2 (502T)
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system

Ventilation in-duct series



Horizontal



Vertical section

PS-504T

Adapted air volume:	6500CFM/11000m ³ /h
Weight:	8.0kg/5.8kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	20.0W
Noise:	≤ 20dB
Shell Material:	SPCC
Applicable area:	400~600m ²
Horizontal Dimensions:	545*280*230mm
Vertical section Dimensions:	280*280*460mm
Tube size:	350mm(14.0 inch)
Number of ion tubes:	4
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-505T



PS-505TT

505T Adapted air volume:	8000CFM/13600m ³ /h
505TT Adapted air volume:	9500CFM/16000m ³ /h
Weight:	8.3kg/12.35kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	29.0W/76.0W
Noise:	≤ 20dB
Shell Material:	SPCC
Applicable area:	500m ² /600m ²
505T Dimensions:	545*280*220mm
505TT Dimensions:	710*280*220mm
505T tube size:	350mm(14.0 inch)
505TT tube size:	520mm(20.5 inch)
Number of ion tubes:	5
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-508T



PS-508TT

508T Adapted air volume:	12800CFM/22000m ³ /h
508TT Adapted air volume:	15000CFM/25500m ³ /h
Weight:	11.2kg/14.5kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	47.0W/72.0W
Noise:	≤ 20dB
Shell Material:	SPCC
Applicable area:	800~1200m ²
Horizontal form factor:	545*280*450mm
Vertical form factor:	545*280*620mm
508T tube size:	350mm(14.0 inch)
508TT tube size:	520mm(20.5 inch)
Number of ion tubes:	8
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-509TT

Adapted air volume:	17000CFM/28900m ³ /h
Weight:	15.5kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	67.0W
Noise:	≤ 20dB
Shell Material:	SPCC
Applicable area:	1800m ²
Dimensions:	710*280*320mm
Tube size:	520mm(20.5 inch)
Number of ion tubes:	9
Tube lifespan:	17000 Hours
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system

Ventilation in-duct series



PS-501TO



PS-502TO

501TO Adapted air volume:	3000CFM/5100m ³ /h
502TO Adapted air volume:	5000CFM/8500m ³ /h
Weight:	6.0kg/6.2kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	10.0W/14.0W
Noise:	≤20dB
Shell Material:	PVC
Applicable area:	100m ² / 200m ²
Dimensions:	460*200*300mm
Tube size:	350mm(14.0inch)
Number of ion tubes:	1 (501TO) 2 (502TO)
Tube lifespan:	17000 Hours
Pipe material, diameter, ion tube size and quantity can be customized according to requirements	
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-509TO

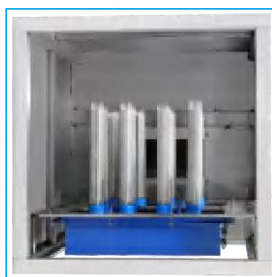
Air volume:	17000CFM/28900m ³ /h
Weight:	28.6kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	219.0W
Noise:	≤ 20dB
Shell Material:	PVC
Applicable area:	1800m ²
Dimensions:	1080*310*360mm
Tube size:	520mm(20.5 inch)
Number of ion tubes:	9
Tube lifespan:	17000 Hours
Pipe material, diameter, ion tube size and quantity can be customized according to requirements	
Optional accessories:	APP/Wind pressure switch/ Ion quantity control system



PS-504T



Plasma cold chain/transmission chain disinfection equipment



PS-508T



Plasma fresh air pipeline disinfection system
(including air cabinet: AHU or PAU)

Wall-mounted series



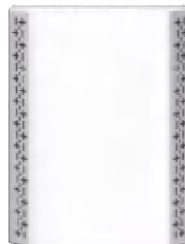
PS-400T1

Air volume:	15m ³ /h
Weight:	300g
Voltage:	12V DC / 24V DC
Power:	6.0W
Noise:	≤ 30dB
Sheel Material:	Aluminium Alloy
Coverage area:	5~15m ²
Dimensions:	195*100*60mm
Tube size:	70mm (2.8inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours
Optional accessories:	APP/Remote control/ Ion quantity control system



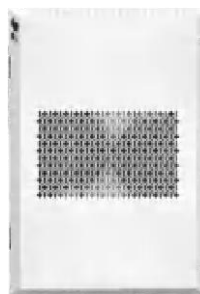
PS-500T1

Air volume:	0~60m ³ /h
Weight:	1.0kg
Voltage:	12V DC / 24V DC
Power:	7.0W
Noise:	≤ 50dB
Sheel Material:	Aluminium Alloy
Coverage area:	20~30m ²
Dimensions:	260*175*60mm
Tube size:	80mm (3.1inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary filter
Optional accessories:	APP/Remote control/ Ion quantity control system



PS-501TX

Air volume:	0~128m ³ /h
Weight:	1.4kg
Voltage:	12V DC / 24V DC
Power:	7.0W
Noise:	≤ 50dB
Sheel Material:	Aluminium Alloy
Coverage area:	30~50m ²
Dimensions:	180*100*240mm
Tube size:	80mm (3.1inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary filter
Optional accessories:	APP/Remote control/ Ion quantity control system



PS-500T2

Air volume:	0~220m ³ /h
Weight:	3.0kg
Voltage:	12V DC / 24V DC
Power:	26.0W
Noise:	≤ 50dB
Sheel Material:	Aluminium Alloy
Coverage area:	50~100m ²
Dimensions:	500*340*60mm
Tube size:	80mm (3.1inch)
Number of ion tubes:	2 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary filter
Optional accessories:	APP/Remote control/ Ion quantity control system



PS-500T3

Air volume:	0~138m ³ /h
Weight:	2.2kg
Voltage:	12V DC / 24V DC
Power:	45.0W
Noise:	≤ 50dB
Sheel Material:	Aluminium Alloy
Coverage area:	60~80m ²
Dimensions:	355*235*100mm
Tube size:	100mm (3.9inch)
Number of ion tubes:	2 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary filter
Optional accessories:	APP/Remote control/ Ion quantity control system

Wall-mounted series



PS-501TR

Air volume:	0~460m ³ /h
Weight:	8.7kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	72.0W
Noise:	≤ 50dB
Shell Material:	Stainless steel
Applicable area:	50~100m ²
Dimensions:	425*125*320mm
Tube size:	180mm(7.0 inch)
Number of ion tubes:	2(Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary filter/Timer (standard)
Optional accessories:	APP/Remote control/ Ion quantity control system



PS-501TW



PS-501TW-UV

Air volume:	200m ³ /h
Weight:	9.5kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	77.0W/85.0W
Noise:	≤ 50dB
Shell Material:	Stainless steel
Applicable area:	50~100m ²
Dimensions:	490*125*342mm
Tube size:	350mm(14.0 inch)
Number of ion tubes:	1(Standard)
Tube lifespan:	17000 Hours
Number of UV lamps:	NA(501TW) 1 (501TW-UV)
Filter type:	Primary efficiency / high efficiency filter(Optional)
Optional accessories:	APP/Remote control/ Ion quantity control system



PS-501TY

Air volume:	0~850m ³ /h
Weight:	15.5kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	70.0W
Noise:	≤ 50dB
Shell Material:	Stainless steel
Applicable area:	50~100m ²
Dimensions:	730*180*405mm
Tube size:	520mm(20.5 inch)
Number of ion tubes:	2 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary efficiency / high efficiency filter(Optional) 、Timer (standard)
Optional accessories:	APP/Remote control/ Ion quantity control system

Movable Series



PS-501T2

Air volume:	0~850m ³ /h
Weight:	22.35kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	60.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Applicable area:	50~100m ²
Dimensions:	370*255*865mm
Tube size:	520mm(20.5 inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary efficiency / high efficiency filter(Optional)
Optional accessories:	APP/Remote control/ Ion quantity control system

Movable Series



PS-501T6

Air volume:	1200/1400/1600/1800m ³ /h
Weight:	60kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	299.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Applicable area:	200~300m ²
Dimensions:	630*383*1760mm
Tube size:	520mm(20.5 inch)
Number of ion tubes:	3(Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary efficiency / high efficiency filter(Optional) · Timer (standard)
Optional accessories:	APP/Remote control/Ion quantity control system



PS-501TC

Air volume:	200m ³ /h*2
Weight:	190kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	180.0W
Noise:	≤ 50dB
Shell Material:	Stainless steel
Number of UV lamps:	2
Dimensions:	1320*980*2100mm
Tube size:	520mm(20.5 inch)
Number of ion tubes:	2(Standard)
Tube lifespan:	17000 Hours
Filter type:	High efficiency filter*2
Face intelligent thermometer:	1(Standard)
Optional accessories:	APP/Remote control/Ion quantity control system

Ceiling-Mounted Series



PS-501T1



PS-501T1-UV

Air volume:	0~420m ³ /h
Weight:	16.5kg/18.5kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	50.0W/58.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Coverage area:	50~100m ²
Number of UV lamps:	NA(501T1) 1(501T1-UV)
Dimensions:	625*625*210mm
Tube size:	350mm(14.0 inch)
Number of ion tubes:	1(Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary efficiency / high efficiency filter(Optional)
Optional accessories:	APP/Remote control/Ion quantity control system



PS-501T4

Air volume:	0~1200m ³ /h
Weight:	31kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	220.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Coverage area:	200~300m ²
Dimensions:	1205*625*240mm
Tube size:	350mm(14.0 inch)
Number of ion tubes:	4(Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary efficiency / Medium efficiency filter bag(Optional)
Optional accessories:	APP/Remote control/Ion quantity control system

Ceiling-Mounted Series



PS-501T5

Air volume:	1200/1400/1600/1800m ³ /h
Weight:	38.0kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	200.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Coverage area:	200~300m ²
Dimensions:	1205*625*330mm
Tube size:	520mm(20.5 inch)
Number of ion tubes:	3 (Standard)
TTube lifespan:	17000 Hours
Filter type:	Primary efficiency / high efficiency filter(Optional)
Optional accessories:	APP/Remote control/ Ion quantity control system



PS-501T3

Air volume:	0~1000m ³ /h
Weight:	21.5kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	150.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Coverage area:	80~150m ²
Dimensions:	730*450*280mm
Tube size:	350mm(14.0 inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Medium efficiency filter bag / high efficiency filter(Optional)
Optional accessories:	APP/Remote control/ Ion quantity control system

Portable Series



PS-501TV

Air volume:	0~138m ³ /h
Weight:	3.0kg
Voltage:	24V DC
Power:	50.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Coverage area:	50~80m ²
Dimensions:	300*104*402mm
Tube size:	180mm(7.0 inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours
Filter type:	High efficiency filter*2
Optional accessories:	APP/Remote control/ Ion quantity control system



PS-501T4S

Air volume:	0~138m ³ /h
Weight:	7.4kg
Voltage:	120V AC / 240V AC
Power:	51.0W
Noise:	≤ 50dB
Shell Material:	SPCC
Coverage area:	50~100m ²
Dimensions:	530*160*225mm
Tube size:	180mm(7.0 inch)
Number of ion tubes:	4 (Standard)
Tube lifespan:	17000 Hours
Filter type:	Primary filter
Optional accessories:	APP/Remote control/ Ion quantity control system

Portable Series



PS-300T

Weight:	150g
Voltage:	5V DC
Power:	1.0W
Noise:	≤ 10dB
Shell Material:	ABS Flame retardant materials
Coverage area:	3~15m ²
Dimensions:	96*57*33mm
Battery Capacity:	2600mAh
Tube size:	30mm(1.2 inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours



PS-300T1

Air volume:	15m ³ /h
Weight:	350g
Voltage:	5V DC
Power:	5.0W
Noise:	≤ 30dB
Shell Material:	Aluminium Alloy +ABS
Coverage area:	10~120m ²
Dimensions:	200*70mm
Tube size:	30mm(1.2 inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours



PS-300T2

Air volume:	30~50m ³ /h
Weight:	550g
Noise:	≤ 30dB
Shell Material:	ABS
Voltage:	5V DC
Standby power:	≤ 0.2W
Operating Power:	≤ 4.0W
Dimensions:	120*194mm
Coverage area:	10~20m ²
Tube size:	30mm(1.2 inch)
Number of ion tubes:	1(Standard)
Tube lifespan:	17000 Hours
Filter Type:	High efficiency filter*1



PS-300T3

Air volume:	15~20m ³ /h
Weight:	650g
Noise:	≤ 30dB
Shell Material:	ABS
Voltage:	5V DC
Charging power:	5.0W
Power Rating:	10.0W Max
Dimensions:	125*30*300mm
Coverage area:	20~30m ²
Tube size:	30mm(1.2 inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours



PS-400T2

Air volume:	500m ³ /h
Weight:	3.85kg
Voltage:	120V AC / 240V AC
Frequency:	50/60Hz
Power:	30W
Noise:	≤ 30dB
Shell Material:	ABS
Coverage area:	100m ²
Dimensions:	240*240*820mm
TTube size:	70mm(2.8 inch)
Number of ion tubes:	1 (Standard)
Tube lifespan:	17000 Hours
Filter Type:	High efficiency filter

Optional Accessories



All Purify



APP

Version: 3.0
 Operating System: Android/IOS
 Software name: All Purify
 [names of other versions are automatically generated following the system language]
 System support languages: Multilingual (customizable)
 Currently supported languages: Simplified Chinese/Traditional Chinese/English/French/German/Russian/Japanese/Italian/Korean/Spanish/Arabic/Czech/Dutch/Polish/Hungarian/Vietnamese/Swedish/etc



PS-501 (Ion Quantity Control System)

Shell Material: ABS
 Weight: 450g
 Voltage: 120V AC / 240V AC
 Frequency: 50/60Hz
 Power: 3.0W
 Load: 200W
 Dimensions: 160*83*65mm



PS-502 (Wind pressure switch)

Shell Material: ABS
 Weight: 650g
 Voltage: 120V AC / 240V AC
 Frequency: 50/60Hz
 Power: 4.0W
 Load: 200W
 Dimensions: 160*83*65mm



PS-503 (Air quality detector)

Shell Material: ABS
 Weight: 225g
 Voltage: 5V DC
 Charging current: 1A
 Working hours: 8 hour
 Power: 4.0W
 Dimensions: 110*80*50mm



PS-100 (Water sterilizer)

Shell Material: ABS
 Rated power supply: DC 12V (External battery)
 Power Rating: 4.0W
 Inlet water temperature: Normal
 Inlet water quality: Running water
 Inlet water pressure: 0.6-1.2kg/cm²
 Ozone water flow: 200L/h-900L/h
 Ozone water concentration: 0.2~1.0PPM
 Dimensions: 97*110*38mm

Applications

Widely used in hotels, homes, hospitals, nursing homes, schools, Internet cafes, supermarkets, restaurants, airports, offices, entertainment venues, public restrooms, public transportation, basement parking lots, food processing and preservation, animal breeding and slaughterhouses, dry storage and cold storage warehouses, sewage treatment plants, waste transfer stations, volatile organic compounds (TVOC), industrial / commercial facilities and other places.

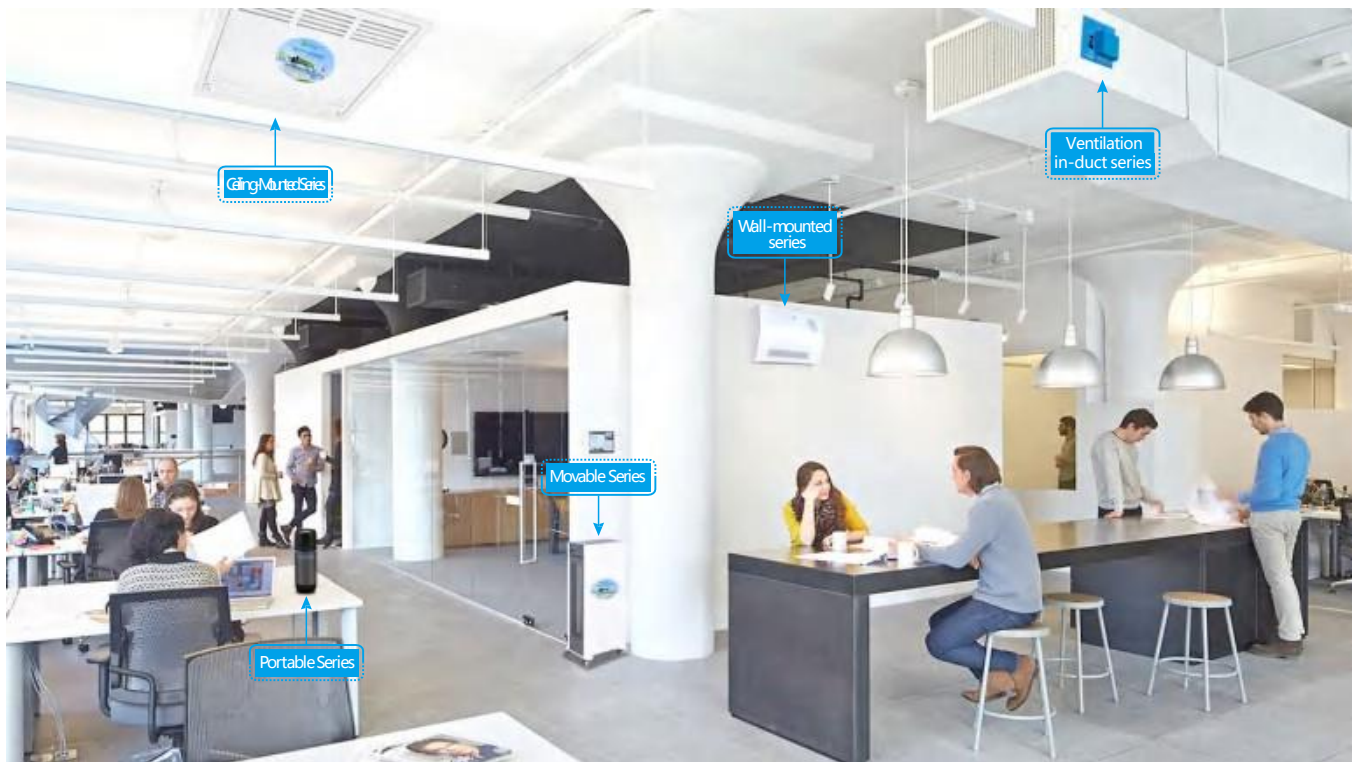
Product Series



APP remote control diagram

Just a mobile phone or computer,
Can remotely control the air purification
equipments in the whole area.





Medical Institution Case

Many areas of hospitals are often heavily polluted places where various bacteria and viruses are cross-spread. The hospital has a large flow of personnel and a large number of patients. It is inevitable that many pathogens such as bacteria, cold bacteria, cough viruses, etc. will be distributed in the air along with coughing and sneezing. Plasma air sterilization and disinfection equipment can be used in the coexistence of man and machine, real Actively target the source to kill all kinds of bacteria/viruses and eliminate odors, and at the same time prevent the spread of bacteria and viruses from person to person, and effectively protect the health of medical staff and patients.



PS-501TR



PS-501T1



PS-501TV



PS-501TW



PS-501T6

Home Application Case

There are various bacteria, viruses, peculiar smells and pollutants such as formaldehyde, volatile organic compounds TVOC and harmful particles in the indoor air. Because these pollutants continue to multiply and spread everywhere in the room, traditional air purification equipment can no longer achieve the expected disinfection and purification effect. Plasma air disinfection machine can efficiently disinfect and sterilize under the coexistence of human and machine, and can quickly and effectively remove harmful gases and odors such as formaldehyde, benzene, TVOC, etc. released by decoration, and prevent various indoor bacteria and viruses from spreading from person to person.



PS-400T2



PS-300T3

Ventilation In-duct Series Application Case

The ducted series products can be directly installed in the current air-conditioning system, fresh air duct system, including air cabinet (AHU or PAU), Fan Coil, and air-conditioning ducts. The ionization tube releases a large amount of positive and negative ions. In the case of coexistence of man and machine, active Disinfect and sterilize, neutralize and degrade various odors and pollutants, control the pollution sources of the indoor environment in a targeted manner, quickly solve various indoor air problems, and help us improve air quality.



PS-501T



PS-502T



PS-508TT



PS-504T

Commercial Case

There is a large flow of people in various commercial areas, and there are various pollution sources (especially in the central air-conditioning system), bacteria, viruses, formaldehyde/TVOC, peculiar smell, etc., which are easy to cause cross-infection and spread of diseases. Plasma disinfection and purification equipment can quickly sterilize and disinfect the items carried by guests and employees at entrances and exits, halls, and at the same time effectively prevent the spread of various viruses when humans and machines coexist.



PS-501TY



Conveyor chain disinfection machine



PS-501TV



PS-501T2



PS-400T1



PS-501T2

School Case

There are various bacteria, viruses, peculiar smells and pollutants such as formaldehyde, volatile organic compounds TVOC and harmful particles in the indoor air. Because these pollutants continue to multiply and spread everywhere in the room, traditional air purification equipment can no longer achieve the expected disinfection and purification effect. Plasma air disinfection machine can efficiently disinfect and sterilize under the coexistence of human and machine, and can quickly and effectively remove harmful gases and odors such as formaldehyde, benzene, TVOC, etc. released by decoration, and prevent various indoor bacteria and viruses from spreading from person to person.



PS-501T3



PS-501T1

Public Transportation Case

In crowded high-speed rails, subways, buses, and long-distance buses, the crowds are crowded and the air is difficult to circulate. Pollutants from human breathing, coughing, and sneezing are easily "trapped" in the car, which can easily cause the accumulation of bacteria and viruses. Contaminants such as benzene, formaldehyde, TVOC, peculiar smell, etc. will also be generated in the compartment. Special active plasma air disinfection and purification equipment is installed in the compartment, which can quickly target the source of pollution under the condition of coexistence of man and machine. Disinfection and sterilization of items can effectively prevent cross-infection and spread of various viruses.



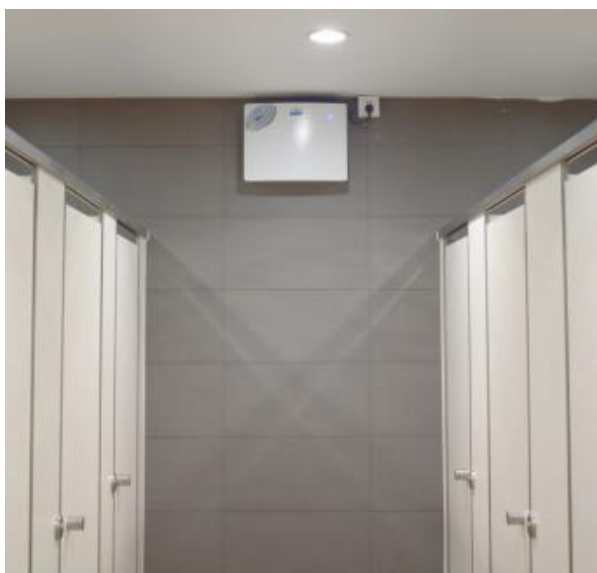
PS-500T2



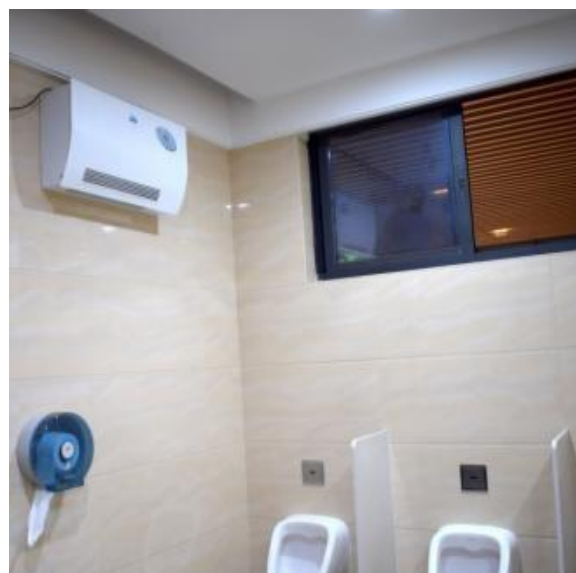
PS-501TC

Public Toilet Case

Public toilets are prone to foul smell (hydrogen sulfide), ammonia, and other peculiar smells, as well as a large number of bacteria and germs, which pose a great threat to people's lives and health. To keep public toilets clean, it is not enough for everyone to consciously pay attention to hygiene, especially public toilets with a lot of people. The installation of plasma disinfection, sterilization and deodorization equipment can greatly reduce the concentration of hydrogen sulfide and ammonia and other odors. It is recommended to install tap water ozone disinfection equipment in the wash basin and toilet, which can more effectively prevent various diseases from among people. Cross-spread.



PS-501TR



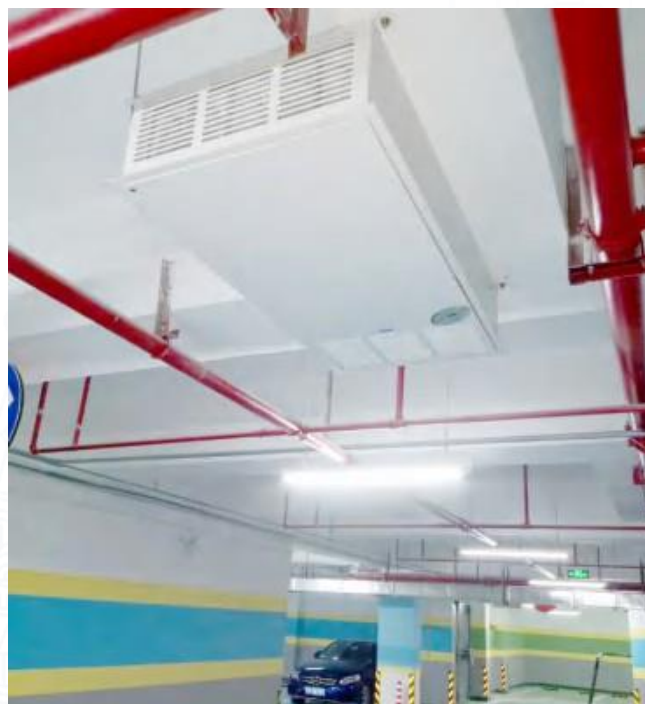
PS-501TY

Workshop Case

There are a large number of viruses, bacteria and nitrogen, carbon disulfide, styrene, sulfide H-S, TVOC, benzene, toluene, xylene and other organic pollutants and odors in the air of the production workshop. Plasma air disinfection and purification equipment can quickly and efficiently purify various organic pollutant gases under the coexistence of man and machine, and also effectively prevent various infectious diseases from spreading among colleagues in the production workshop, effectively improving work efficiency.



PS-501T6



PS-501T4

Food Processing Case

Food processing companies pay very little attention to the cleanliness of the air in their production environment, which has led to countless food poisoning and resource waste (mould and deterioration). Plasma air equipment can not only sink the floating particles in the air and remove the odor molecules in the air, while minimizing the evaporation of air moisture, improving the freshness of food, but also can efficiently and quickly kill in the coexistence of man and machine Harmful microorganisms (such as bacteria, molds, fungi, planktonic bacteria, viruses) in the workshop and storage space make the food not prone to spoilage and mold.



PS-501T1



PS-501T5

Breeding Industry/planting Industry Case

With the continuous improvement of the scale and intensification of livestock production, the ammonia produced by livestock and poultry and their wastes is increasing. It not only affects the normal production and life of human beings, but also endangers the health of livestock and poultry and reduces production performance. Livestock excrement and fertilizers will emit peculiar smells, such as ammonia, mercaptans, hydrogen sulfide, carbon dioxide, carbon monoxide and other malodorous gases. The installation of active plasma air disinfection and purification equipment can quickly decompose odors at the source of pollution, and effectively prevent influenza viruses such as plague, avian flu, swine flu (H1N1) and cross-infection.



PS-501T4



PS-501T4

Municipal Case

Domestic garbage rots and smells during the process of stacking, loading, unloading, and transportation, producing ammonia, organic ammonia and some mercaptans, methane and other gases with a strong pungent odor, which has a great impact on the lives of surrounding residents. Plasma air disinfection The equipment can effectively reduce the content of harmful gases such as H_2S , TVOC, NH_3 , NO_2 , and prevent the breeding of bacteria and the spread of diseases.



Waste Transfer Station Deodorization Program

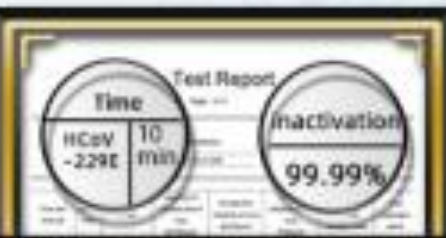
Plasma air disinfection and purification system can quickly sterilize and deodorize, which can effectively solve the problem of odor pollution and various odors.



Qualification & Test Report

U.S. Food and Drug Administration
registered products(FDA)

Guangdong Health Consumer Certificate
(2020)-02-No. 9321

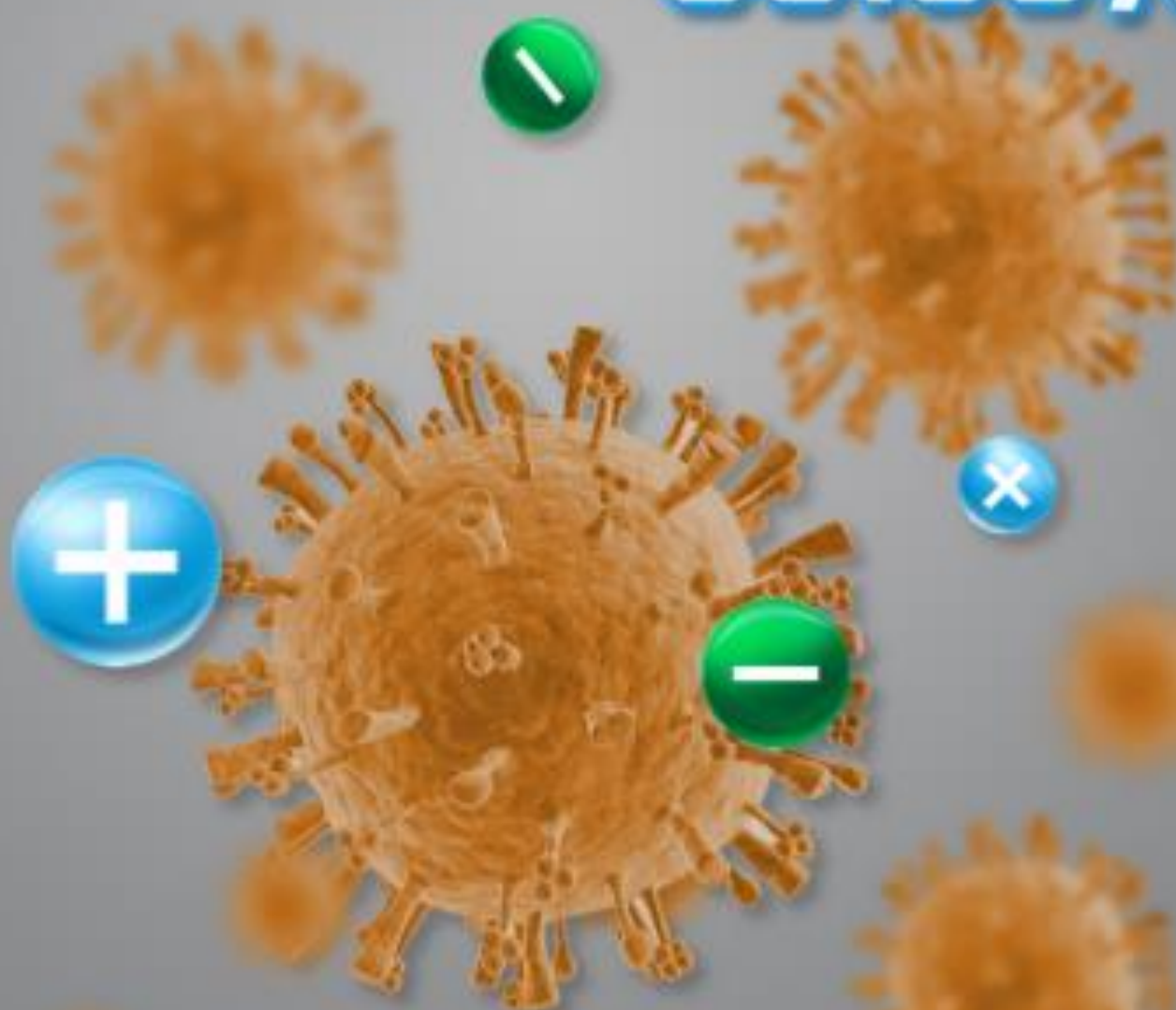


One minute *

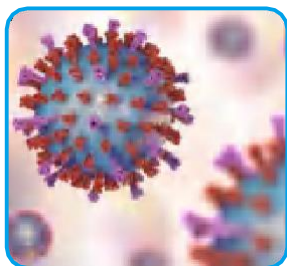
High Efficiency Sterilization

inactivation ratio

Coronavirus > 99.99%



* Report number: WP-21029109-IC-01EnR1



Coronavirus in one minute
Inactivation rate > 99.99%



Escherichia coli
Kill rate > 99.99%



Staphylococcus aureus
Kill rate 90.91%



Aspergillus niger
Kill rate > 99.99%



Test Report

Report No : WP-21029109-JC-01EnR1 Page : 3 / 4

Sample Name Edda Air® Plasma Ions Air Sterilize

Sample Received

2021.02.26

Test Item Antiviral Activity Value (GX_P2V)

Date

Test Period

2021.02.26 ~ 2021.03.30

1. Test Result

Virus and host cell	Time	Group	Logarithm of infectivity titre of virus lgTCID ₅₀ /ml	Average titre infectivity of virus lgTCID ₅₀ /ml	Average infectivity titre of virus TCID ₅₀ /ml	Average logarithm reduction value	Virus inactivation ratio%		
GX_P2V Vero-E6	1min	Control Group 1	5.58	5.55	3.58×10 ⁵	> 4.05	99.99%		
		Control Group 2	5.52						
		Control Group 3	5.56						
		Test Group 1	< 1.50	< 1.50	< 31.6				
		Test Group 2	< 1.50						
		Test Group 3	< 1.50						
GX_P2V Vero-E6	5min	Control Group 1	5.58	5.55	3.58×10 ⁵	> 4.05	> 99.99		
		Control Group 2	5.52						
		Control Group 3	5.56						
		Test Group 1	< 1.50	< 1.50	< 31.6				
		Test Group 2	< 1.50						
		Test Group 3	< 1.50						
GX_P2V	10min	Control Group 1	5.58	5.55	3.58×10 ⁵	> 4.05	> 99.99		
		Control Group 2	5.52						
		Control Group 3	5.56						



ISET S.r.l. Unipersonale

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www.iset-italia.com - customerservice@iset-italia.com

Cap. 100.000 €
Cod. Fisc. n° 01704740369
REA
Cod. Min. 10
Cod. 0202008

CERTIFICATE

Certificat - Certificado - Сертификат - Zertifikat - 證書

- 1) **APPLICANT:** (who finally puts the product on the market)
Shenzhen Lideng Environmental Protection Engineering Co., Ltd.
8C, Kechuang Bldg, Quanzhi Science And Technology Innovation Park,
Shasong Road, Houting, Shajing, Baoan Dist, Shenzhen, Guangdong, China
- 2) **CERTIFICATE NO.:** ISETC/001120200616
- 3) **TECHNICAL REFERENCE:** CTB200602013SN, CTB200606003EN
- 3) **ISET MARK:**



- 4) **CAUTION ABOUT CE MARKING** (Instruction for the Applicant who puts the product on the EU market):
The label of the CE Marking on the left side should be not less than 5mm height. CE Marking and EC Declaration of Conformity are duties for the manufacturer or its applicant who puts the product on the market. This one is responsible to start the CE marking and certification procedure as required by the legislation in force. Only for the products which are compulsorily included into specific Directives or Regulations will be necessary to appoint a Notified Body.



- 5) **TYPE OF PRODUCT:** Plasma Air Disinfection Purifier Machine

TRADE MARK: Edla Air

MODEL(S): PS-500 T1, PS-500 T, PS-500 T1, PS-500 T2, PS-500 T1, PS-500 T2, PS-501 TX, PS-501 TR, PS-501 TY, PS-501 T4S, PS-501 TA, PS-501 T2, PS-501 T6, PS-501 T1, PS-501 T4, PS-501 T5, PS-501 T3, PS-500, PS-400, PS-500, PS-501S, PS-501T, PS-504T, PS-505T, PS-508T

- 6) **LIST OF DIRECTIVES / REGULATIONS / STANDARDS** (as declared by the manufacturer itself)
Low Voltage Directive 2014/35/EU, Electromagnetic Compatibility 2014/53/EU
EN 60335-2-65:2005 + A1:2008 + A11:2012 used conjunction with EN60335-1:2012 + A11:2014
EN 55014-1:2017, EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013
- 7) **NOTE:** This document is not referred to any evaluation that could be considered as included in the scope of the activities covered by the standard BS EN ISO/IEC 17065:2012 or European Regulation 765/2008.
- 8) **REMARK:** Certificate is issued on voluntary application from the Client and it gives to the applicant the right to use and affix the ISET Mark on their products, even if it doesn't imply any assessment on the safety and compliance of the product. ISET declares that the only scope of the assessment is to verify the existence of the declaration issued by the manufacturer or an applicant under its own responsibilities.

- 9) **DATE OF ISSUE:** 10/06/2020

- 10) **SIGNATURE:** Xiao Ming

(Of behalf of the Legal representative)



EXPIRY DATE: 09/06/2025

VERIFICATION OF CONFORMITY

Reference No. : WTF17F119568R1E
Applicant : LIDEN ENVIRONMENTAL ENGINEERING CO.LTD
Address : Room 8c, Shasong Road, Shajing Houting, Bao'an District, Shenzhen City
Manufacturer : The same as above
Address : The same as above
Product : Edla air
Model No. : PS-501T
Technical data : AC 110-240V, 50/60Hz, 15W



Test Standards:

EN 55014-1:2017
EN 55014-2:2015
EN 61000-3-2:2014
EN 61000-3-3:2013

The above product has been tested by us with the listed standards and found in compliance with the European Electromagnetic Compatibility Directive 2014/53/EU. It is possible to use CE marking to demonstrate the compliance with the EMC Directive.

EN 55014-1: Electromagnetic Compatibility — Requirements for household appliances, electric tools and similar apparatus — Part 1: Emission
EN 55014-2: Electromagnetic Compatibility — Requirements For Household Appliances, Electric Tools And Similar Apparatus - Part 2: Immunity Product Family Standard
EN 61000-3-2: Electromagnetic Compatibility (EMC) Part 3-2: Limits for harmonic current emissions(Equipment input current up to and including 16A per phase)
EN 61000-3-3: Electromagnetic Compatibility (EMC) Part 3-3: Limitation of voltage supply systems for equipment with rated current ≤ 16A per phase and not subject to conditional connection

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the above mentioned EU Directive. Other relevant Directives have to be observed.
After preparation of the necessary technical documentation as well as the conformity declaration, the CE marking as shown below can be affixed on the equipment.



The statement is based on a single evaluation of the sample of above mentioned product. It does not imply an assessment of the whole production.

Waltek Services (Foshan) Co., Ltd.

Hotline: 400-840-2288 E-mail: info@waltek.com.cn
http://www.waltek.com.cn

VERIFICATION OF CONFORMITY

Reference No. : WTF21F03027172J
Applicant : Shenzhen Lideng Environmental Protection Engineering Co., Ltd.
Address : 8C, Kechuang Bldg, Quanzhi Science And Technology Innovation Park, Shasong Road, Houting, Shajing, Baoan Dist, Shenzhen, Guangdong, China.
Manufacturer : The same as above
Address : The same as above
Product : Plasma Air Disinfection Purifier Machine
Model No. : Refer to test report model list
Technical data : Refer to test report model list



Test Standards:
EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019
EN 62233:2008

The above product has been tested by us with the listed standards and found in compliance with the European Directive LVD 2014/35/EU. It is possible to use CE marking to demonstrate the compliance with this LVD Directive.

Household and similar electrical appliances

Part 1: General requirements

Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the above mentioned EU Directive. Other relevant Directives have to be observed.

After preparation of the necessary technical documentation as well as the EU Declaration of Conformity, the CE marking as shown below can be affixed on the equipment under the sole responsibility of the manufacturer.



The statement is based on a single evaluation of the sample of above mentioned product. It does not imply an assessment of the whole production.

Waltek Testing Group (Foshan) Co., Ltd.

Hotline: 400-840-2288 E-mail: info@waltek.com.cn
http://www.waltek.com.cn

TEST REPORT

Reference No. : WTF21F03027172J
Applicant : Shenzhen Lideng Environmental Protection Engineering Co., Ltd.
Address : 8C, Kechuang Bldg, Quanzhi Science And Technology Innovation Park, Shasong Road, Houting, Shajing, Baoan Dist, Shenzhen, Guangdong, China.
Manufacturer : Shenzhen Lideng Environmental Protection Engineering Co., Ltd.
Address : 8C, Kechuang Bldg, Quanzhi Science And Technology Innovation Park, Shasong Road, Houting, Shajing, Baoan Dist, Shenzhen, Guangdong, China.
Product Name : Plasma Air Disinfection Purifier Machine
Model No. : See model list on page 3
Standards : Safety of household and similar electrical appliances
Part 1: General requirement
IEC 60335-1:2010+A1:2013+A2:2016
Date of Receipt sample : 2021-03-31
Date of Test : 2021-04-01 to 2021-06-10
Date of Issue : 2021-06-15
Test Report Form No. : WSH-603351X-01A
Test Result : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.
Address: No.13-19, 2/F, 2nd Building, Sunlink International Machinery City,
Chensun, Shunde District, Foshan, Guangdong, China
Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Compiled by:

William He
William He / Project Engineer



Waltek Testing Group (Foshan) Co., Ltd.
http://www.waltek.com.cn

Page 1 of 81

VERIFICATION OF CONFORMITY

- Federal Communications Commission (FCC) -
No. : CTB210203027EX-ZS

Applicant	Shenzhen Lideng Environmental Protection Engineering Co.,Ltd
Address	8C, Kechuang Bldg., Quanzhi Science And Technology Innovation Park, Shasong Road,Houting, Shajing, Baoan Dist., Shenzhen, Guangdong, China
Manufacturer	Shenzhen Lideng Environmental Protection Engineering Co.,Ltd
Address	8C, Kechuang Bldg., Quanzhi Science And Technology Innovation Park, Shasong Road,Houting, Shajing, Baoan Dist., Shenzhen, Guangdong, China
Product	Plasma Ions Air Sterilizer
Trade Name	EddaAir
Model(s)	PS-S01T, Additional models refer to next page.
Test Report No.	CTB210203027EX
Test Standards	CFR47, FCC Part 15 Subpart B, ANSI C63.4: 2014

Conform to the applicable FCC Rules and Regulations. The method of testing was in accordance to the most accurate measurement standards. Possible, and that all necessary steps have been enforced to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements. Other relevant Rules have to be observed.



Shenzhen CTB Testing Technology Co., Ltd
 Add: Floor 18/2, Building A, No. 26 of Xohu Road, Xinqiao Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, China.
 Web: <http://www.ctb-lab.net> Tel: 4556-707-583 Email: ctb@ctb-lab.net

VERIFICATION OF CONFORMITY

- Federal Communications Commission (FCC) -
No.: CTB210203027EX-ZS

Series models as below:

Model(s)	PS-300, PS-300T, PS-300T1, PS-300T2, PS-300T3, PS-400, PS-400T, PS-400T1, PS-400T2, PS-400T3, PS-500, PS-500T, PS-500T1, PS-500T2, PS-500T3, PS-500T6, PS-501S, PS-501T, PS-501T1, PS-501T2, PS-501T3, PS-501T4S, PS-501T4, PS-501T5, PS-501T6, PS-501T0, PS-501TA, PS-501TB, PS-501TY, PS-501TV, PS-501TX, PS-501TE, PS-501F, PS-502S, PS-502T, PS-504T, PS-505T, PS-505TT, PS-506T, PS-508T, PS-508TT, PS-509TT
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Paul Pan (Director)
Feb. 04, 2021



Shenzhen CTB Testing Technology Co., Ltd
Add: Floor 15.2, Building A, No. 28 of Xinhai Road, Xingjiao Community, Xingjiao Street, Baoan District, Shenzhen,
Guangdong, China.
Web: <http://www.ctb-lab.net> Tel: 4008-707-283 Email: ctb@ctb-lab.net

TEST REPORT

Reference No.	WTF21F03027165J
Applicant	Shenzhen Udesing Environmental Protection Engineering Co., Ltd. 8C, Keduang Bldg, Quanrui Science And Technology Innovation Park, Shasing Road, Houjing, Shajing, Baoan Dist, Shenzhen, Guangdong, China.
Manufacturer	Shenzhen Udesing Environmental Protection Engineering Co., Ltd. 8C, Keduang Bldg, Quanrui Science And Technology Innovation Park, Shasing Road, Houjing, Shajing, Baoan Dist, Shenzhen, Guangdong, China.
Product Name	EDOA AIR plasma air purifiers
Model No.	PS-501T1-UV, PS-501TW, PS-501T1, PS-501TA, PS-501TS, PS- 501TT, PS-501TX, PS-501TR, PS-501TY, PS-500T1, PS-500T2, PS- 500T3 120WAC, 75W for models PS-601T1-UV, PS-601T1, PS-601TA, PS- 501TS, 120WAC, 110W for models PS-501TW, PS-400T1, PS-501TX, PS- 501TR, PS-501TY, PS-600T1, PS-600T2, PS-600T3 UL 867, 5th edition, rev. Aug 7, 2018 UL 507, 10th edition, rev. May 27, 2020 UL 153, 13th edition Rev Jul 27, 2018
Date of Receipt sample	2021-03-31
Date of Test	2021-04-01 to 2021-04-26
Date of Issue	2021-04-30
Test Report Form No.	WST-133158-02A
Test Result	See below

Remarks:
The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamps of test institute and the signatures of correlative and approver.

Prepared By:

Waitek Testing Group (Foshan) Co., Ltd.
Address: No. 13-19, 2/F., 2nd Building, Sunlink International Machinery City,
Chencun, Shunde District, Foshan, Guangdong, China
Tel: +86-7 57-23811398 Fax: +86-7 57-23811381 E-mail: fo@waitek.com.cn

Compiled by:

Robert Luo
Robert Luo / Project Engineer



Waittek Testing Group (Foshan) Co., Ltd.
http://www.waittek.com.cn

Page 1 of 38

Reference No. : WTF21FC0027165J Page 2 of 36

Test Item description	EDDA AIR plasma air purifiers
Trade Mark	EDDA AIR
Model/Type reference	PS-5011T-UV, PS-501TW, PS-501T1, PS-501T4, PS-501T5, PS-400T1, PS-501TX, PS-501TR, PS-501TY, PS-500T1, PS-500T2, PS-500T3
Ratings	120VAC, 75W for models PS-501T1-UV, PS-501T1, PS-501T4, PS-501T5, 120VAC, 110W for models PS-501TW, PS-400T1, PS-501TX, PS-501TR, PS-501TY, PS-500T1, PS-500T2, PS-500T3
Model Similarity:	
N/A	
Summary of testing	
1. These samples are tested and complied with the requirements of standards listed on this report.	
2. Full tests were performed on models PS-501T1-UV, PS-501TW.	
3. Models PS-501T1-UV, PS-501T1, PS-501T4, PS-501T5 are identical, except enclosure color	
4. Models PS-501TW, PS-400T1, PS-501TX, PS-501TR, PS-501TY, PS-500T1, PS-500T2, PS-500T3 are identical, except enclosure color.	
General Similarity:	
N/A	

Waitek Testing Group (Foshan) Co., Ltd
http://www.waitek.com.cn

Test Report

Report No.: WP-21029109-JC-02En Page: 3 / 4

Sample Name		Eddie Air Plasma Ion Air Sterilizer		Sample Received Date		2021.02.26		
Test Item		Antiviral Activity Value (GX_P2V)		Test Period		2021.02.26~2021.04.12		
1. Test Result								
Virus and host cell	Time	Group	Logarithm of infectivity titre of virus lgTOD ₅₀ /ml	Average titre infectivity of virus lgTOD ₅₀ /ml	Average infectivity titre of virus TOD ₅₀ /ml	Average logarithm reduction value	Virus inactivation ratio/%	
ASFV Vero-E6	10min	Control Group 1	5.53	5.53	3.39×10 ³	>4.03	>99.99	
		Control Group 2	5.51					
		Control Group 3	5.55					
		Test Group 1	<1.50	<1.50	<31.6			
		Test Group 2	<1.50					
		Test Group 3	<1.50					
ASFV Vero-E6	30min	Control Group 1	5.53	5.53	3.39×10 ³	>4.03	>99.99	
		Control Group 2	5.51					
		Control Group 3	5.55					
		Test Group 1	<1.50	<1.50	<31.6			
		Test Group 2	<1.50					
		Test Group 3	<1.50					
ASFV Vero-E6	60min	Control Group 1	5.53	5.53	3.39×10 ³	>4.03	>99.99	
		Control Group 2	5.51					
		Control Group 3	5.55					
		Test Group 1	<1.50	<1.50	<31.6			
		Test Group 2	<1.50					
		Test Group 3	<1.50					

Note: The volume of test room was 20m³.

上海市检测认证中心 129 弄松江区工业园区 9 号楼, 10 号楼, 18 号楼 (200438) +86 2100 4000 www.wellogroup.com

Test Report

Report No.: WP-21019007-JC-01En Page: 3 / 4

Sample Name		EddieAir Plasma Ions Air Sterilizer		Sample Received Date		2021.01.06		
Test Item		Virus Inactivation Test: HCoV-229E		Test Period		2021.01.06 - 2021.02.01		
1. Test Result								
Virus and host cell	Action Time	Group	Logarithm of infectivity titre of virus lgTODu/ml	Average titre infectivity of virus lgTODu/ml	Average infectivity titre of virus TODu/ml	Average logarithm reduction value	Virus inactivation ratio%	
HCoV-229E Vero-E6	10min	Control Group 1	5.63	5.62	3.31×10 ³	>4.02	>99.99	
		Control Group 2	5.54					
		Control Group 3	5.60					
		Test Group 1	<1.50	<1.50	<31.6			
		Test Group 2	<1.50					
		Test Group 3	<1.50					
HCoV-229E Vero-E6	30min	Control Group 1	5.63	5.62	3.31×10 ³	>4.02	>99.99	
		Control Group 2	5.54					
		Control Group 3	5.60					
		Test Group 1	<1.50	<1.50	<31.6			
		Test Group 2	<1.50					
		Test Group 3	<1.50					
HCoV-229E Vero-E6	60min	Control Group 1	5.63	5.62	3.31×10 ³	>4.02	>99.99	
		Control Group 2	5.54					
		Control Group 3	5.60					
		Test Group 1	<1.50	<1.50	<31.6			
		Test Group 2	<1.50					
		Test Group 3	<1.50					

上海市检测认证中心 129 弄松江区工业园区 9 号楼, 10 号楼, 18 号楼 (200438) +86 2100 4000 www.wellogroup.com

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2019SP0928R01E

3. Sterilization and disinfection equipment disinfection efficacy test: Ozone Disinfection Cabinet							
1) Test Method: Technical Standard for Disinfection (Ministry of Health, Edition 2002), section 2-2.1.5.7							
2) Test results:							
Test germ	Test Time	Test space	Test group	Average cfu of testing groups (cfu/piece)	Average cfu of positive controls (cfu/piece)	Sterilization rate (%)	Sterilization logarithm (KL)
<i>Staphylococcus aureus</i> (ATCC 8338)	24h	1m ³ Test box	1	7.0×10 ⁴	7.5×10 ⁵	90.91	1.03
			2	7.5×10 ⁴	7.5×10 ⁵	90.26	1.00
			3	7.5×10 ⁴	8.0×10 ⁵	90.26	1.00
			Average	7.7×10 ⁴		90.48	1.01
<i>Escherichia coli</i> (8099)	24h	1m ³ Test box	1	<5	1.1×10 ⁶	>99.99	>5.32
			2	<5	1.1×10 ⁶	>99.99	>5.32
			3	<5	9.5×10 ⁵	>99.99	>5.32
			Average		1.1×10 ⁶	>99.99	>5.32
<i>Aspergillus niger</i> (ATCC 16404)	24h	1m ³ Test box	1	45	8.5×10 ⁵	99.99	4.30
			2	80	9.0×10 ⁵	99.99	4.17
			3	55	9.5×10 ⁵	99.99	4.21
			Average		9.0×10 ⁵	99.99	4.23

Sample photo:



(Blank below)

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2019SP0928R02E

Pollutants	Test Time	Test space	Test results		Rate of decline (%)	Test Method
			The concentration of the blank test compartment (mg/m ³)	The concentration of the sample test compartment (mg/m ³)		
Formaldehyde	24h	30m ³ Test chamber	1.02	0.18	82.4	Refer to QBT 2761-2006
Benzene	24h	30m ³ Test chamber	1.16	0.211	81.8	
TVOC	24h	30m ³ Test chamber	4.40	0.393	91.1	
Hydrogen sulfide	24h	15m ³ Test chamber	1.08	0.16	85.2	
Ammonia	24h	15m ³ Test chamber	2.02	0.21	89.6	

Sample photo:



(Blank below)



Institute for Electric Light Sources

Fudan University

Plasma Electron Density Detection Report

Samples Description: Edda Air ® PS-501T Plasma Ions Air SterilizerDetection Category: Commissioned detectionClient: Shenzhen Lideng Environmental Protection Engineering Co., Ltd.Detection Date: 04/02/2021Detection Organization: Institute for Electric Light Sources, Fudan University

III. Summary of Measurement Data:

No.	Parameters	Detection&Calculation Results
1	Working Voltage V_{p0} (kV)	12.80
2	Working current I_p (mA)	28.51
3	Working frequency ν (Hz)	50
4	breakdown voltage V_{p0} (kV)	9.20
5	Electron Temperature of Plasma ions T (eV)	0.36
6	Electron Density of Plasma ions ($\times 10^{18} m^{-3}$)	1.22

Detection position	A	B	C	D	E	F	G
Charge leakage index δ	0.36	0.33	0.37	0.35	0.32	0.25	0.28

IV. Conclusions:

1. Plasma ions reactor of PS-501T model is efficient for air sterilization according to the above detection and calculation results of Plasma ions electron density and temperature.
2. The charge leakage index δ is less than 0.5 of reasonable error range at every detection position, therefore no charges leak from Plasma ions reactor.

Person in charge:

detection person:

2

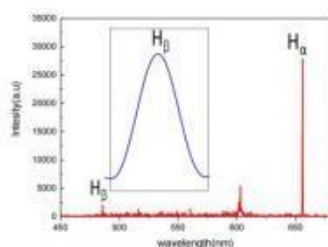
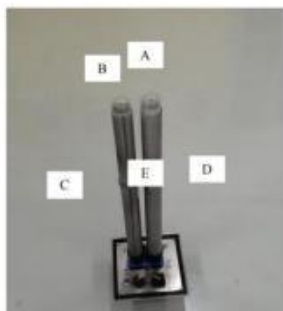
Figure 5. The emission spectrum from hydrogen discharge in the PS-501T Plasma ions reactor (H_{β} fine line on it)

Figure 6. The distribution of five detecting points around the PS-501T Plasma ions reactor



Figure 7. The distribution of two detecting points at the air inlet and outlet windows of the Edda Air ® PS-501T Plasma Ions Air Sterilizer

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Some Of Our Clients Agents Distributors





Our Products Are Sold Worldwide



Many Customers Are Not Listed One By One, Please Understand

***We focus on
Continuous Innovation
For Your Healthy Breathing***



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Plasma Ions Sterilization HCoV GX-P2V H1N1 ASFV EV71 HCHO TVOC PM2.5 Odor Air Volume