

Equipment structure & Application scenarios

Plasma air sterilizer

Equipment structure includes the shell, filter device, plasma high-pressure module, cold catalyst catalytic device, starter, controller, display screen and circulating fan. The fan is used to sterilize the air through plasma sterilization and disinfect the whole space for many times. It has the advantages of low energy consumption, high ablation efficiency, no pollution and long service life. The lifespan of plasma generator and plasma electrode can reach 25000 hours.

Application scenarios: Disinfection of Type II hospital environment, enterprises and institutions, school classrooms at all levels, and crowded indoor public environment.

Ultraviolet rays air sterilizer

Equipment structure includes the shell, filter device, ultraviolet germicidal lamp, ballast, photocatalyst catalytic device, controller, display screen and circulating fan. It has the advantages of low energy consumption, high efficiency sterilization, no pollution and long service life. The lifespan of the high intensity quartz ultraviolet germicidal lamp can reach 8000 hours

Application scenarios: Disinfection of Type II hospital environment, enterprises and institutions.



License of medical device manufacturer
SSYJX production license No. 20170071

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AIR STERILIZER



HUAXI

Plasma air sterilizer

Working principle &Disinfection ability

Huaxi plasma air sterilization adopts bipolar plasma electrostatic field to break down negatively charged bacteria and adsorb polarized dust. The second sterilization procedure includes Drug-impregnated activated carbon, electrostatic net, cold catalyst catalysis and other devices. Large amount of processed air circulates rapidly, keeping the controlled environment at the standard of "sterile room".

Plasma is rich in living radical polymerization, which can effectively kill microorganisms in the air, degrade harmful substances in the air and destroy the transmission route of corona virus, and greatly reduce the virus infection rate in confined spaces. Plasma strilti is fast and thorough, its kili rate of natural bacteria >90% (60 mins), kili rate of Escherichia coli, Staphylococcus aureus and Candida albicans >99.9% (40 mins). 45 minutes after power on, sedimentated bacteria< 15 CFU/ petri dish, planktonic bacteria < 800/m'.



Mobile type

Specification:520*420*860mm
Negative ion concentration:≥3*10⁷
Circulating air volume:850m³/h
Electron density of plasma electric field:3.3*10¹⁷ ~2.6*10¹⁸
Power supply:AC220V(110v)50Hz±10%
Particulate matter (0.5 μ m) removal rate:≥99.99%



Wall-mounted type

Specification:990*218*322mm
Negative ion concentration:≥3*10⁷
Circulating air volume:850m³/h
Electron density of plasma electric field:3.3*10¹⁷ ~2.6*10¹⁸
Power supply:AC220V(110v)50Hz±10%
Particulate matter (0.5 μ m) removal rate :≥99.99%



Floor-standing type

Specification:520*450*1800mm
Negative ion concentration:≥6*10⁶
Circulating air volume:1500m³/h
Electron density of plasma electric field:3.3*10¹⁷ ~2.6*10¹⁷
Power supply:AC 220V±22V
Particulate matter (0.5 μ m) removal rate :≥99.99%

No.	Type	Model	Disinfection area	Usage	Plasma voltage	Power
1	Floor-standing type	HX-PAS-G2000	185m ³	Medical	9000V	≤150W
2	Wall-mounted type	HX-PAS-B1200	100m ³	Medical	9000V	≤50W
3	Mobile type	HX-PAS-Y1200	100m ³	Medical	9000V	≤105W

Ultraviolet rays air sterilizer

Working principle &Disinfection ability

Huaxi ultraviolet air sterilizer uses ultraviolet rays to disinfect air. Ultraviolet rays with proper wavelength can destroy the molecular structure of DNA (deoxyribonucleic acid) or RNA (ribonucleic acid) in microbial cells, resulting in the death of growth cells and 1 or regenerative cells, so as to achieve the effect of sterilization and disinfection. Ultraviolet disinfection technology is based on modern preventive medicine, medicine and photodynamic, using specially designed ultraviole light to irradiate circulating air to kill pathogens.

In the air disinfection test, the natural sterilization rate of the product was more than 90%, and the illing rate of Staphylococcus albus (8032 strains) was more than 99.9%. Ultraviolet radiation combined with photocatalyst can effectively kill microorganisms in the air and filter harmful substances in the air, which can greatly destroy the transmission path of coronavirus and greatly reduce the infection rate of confined space.



Wall-mounted type

Specification:990*218*322mm
Service life of ultraviolet lamp tube:≥8000h
Circulating air volume: ≥850m³/h
Power supply: AC220V(110v)50Hz±10%

No.	Type	Model	Disinfection area	Usage	UV intensity	Power
1	Wall-mounted type	HX-UVS-B1200	100m ³	Medical	≥13800μW/cm ²	≤410W

