EddaAir®
Plasma Technology

Medical level

Powered By
Plasma-Solutions
Air Purification Technology
Beautiful | Air

Breathe Nature Indoors

Public Transport Series

EddaAir®
Plasma Technology

PS-500T2

EddaAir®
Plasma Technology

PS-500T1

Changeable environment, bacteria and viruses
Keep hurting our physical and mental health

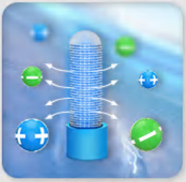
2003 SARS
2004 H5N1
2006 HFMD
2009 H1N1
2012 MERS
2014 EBOIA
2014 DENGUE
2016 YELLOW FEVER
2016 ZIKA VIRUS
2018 ASFV
2019 2019-VIRUS

Plasma air disinfection and purification technology

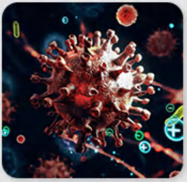
Take care your health

Working Principle

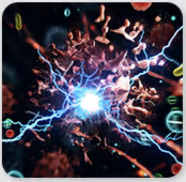
Plasma ions ionization system is the use of a specific voltage principle, through the positive and negative ion generator of the inner/outer electrode (through the insulator to separate them from each other) force the discharge triggered, and then generate similar to the nature of the ion cluster. These millions of charged ion clusters actively collide with bacteria, viruses, and other harmful substances in the a ir, breaking down cell membranes, DNA and proteins, making them rapidly break and inactivate, until they are killed and decomposed. This method is called air ionization technology.



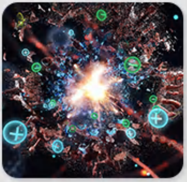
Plasma tube generation
Lots of positive and negative ions



Charged ion clusters with fine Bacteria and viruses collide and penetrate



Destroy cell membranes, virusesDNA and proteins

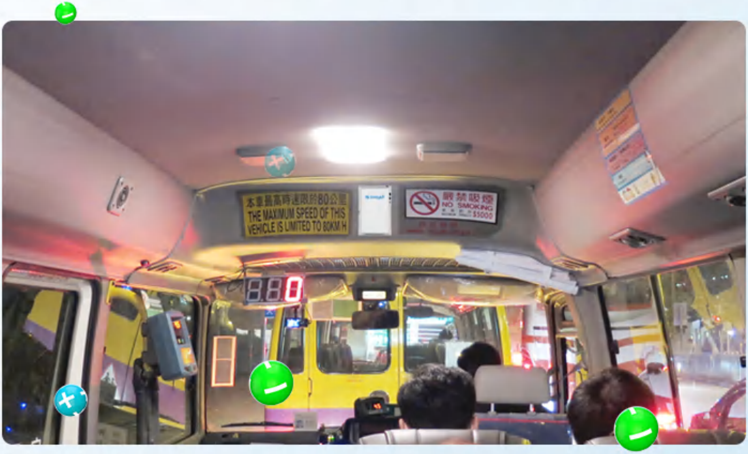


Which rapidly inactivates it Until it is killed and decomposed

Human-machine coexistence

Plasma * technology is different from traditional ozone UV purifiers.

Can do no harm to people and animals when working.



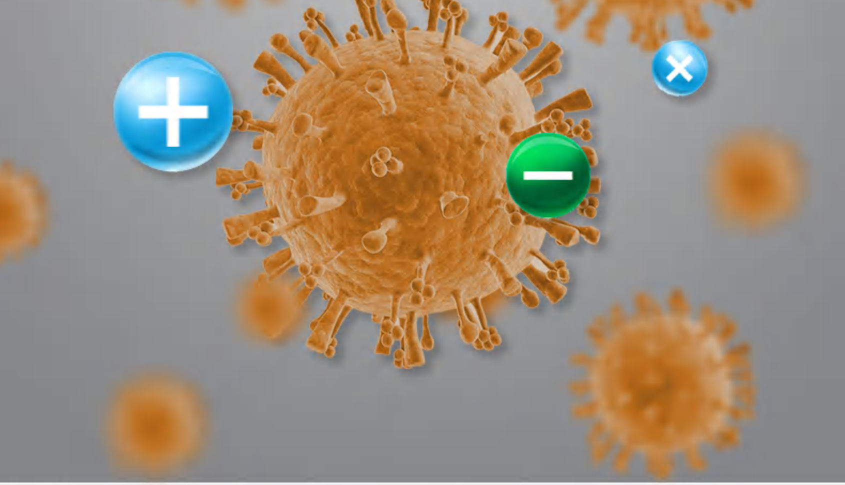
One minute *

High efficiency sterilization

inactivation ratio

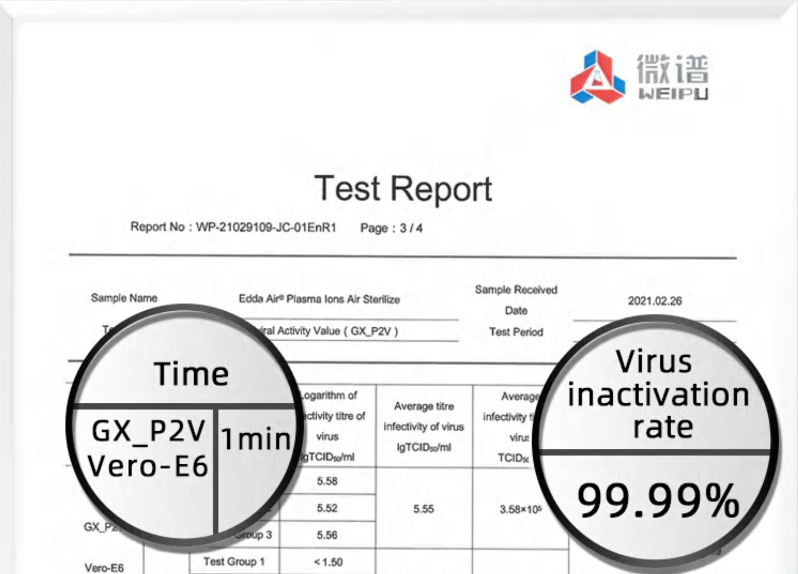
Disinfection &
Sterilization

> 99.99%



*

Report number：WP-21029109-JC-01CnR1



微谱
WEIPU

Test Report

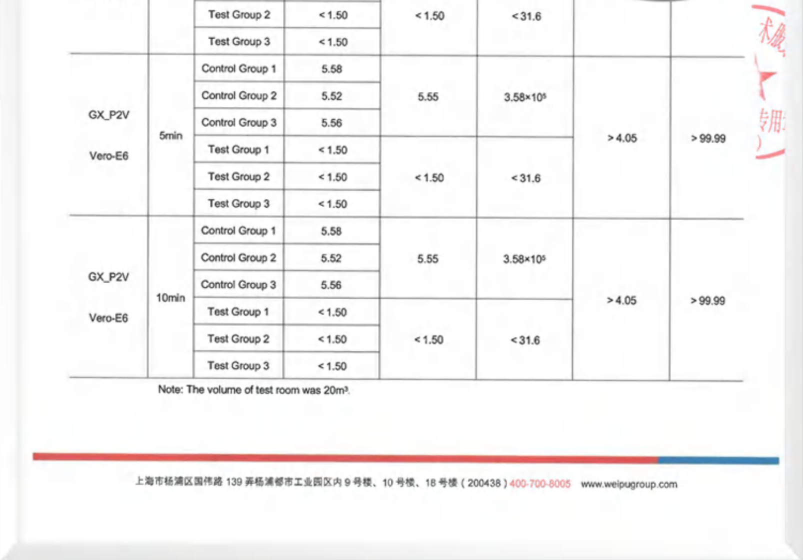
Report No : WP-21029109-JC-01EnR1 Page : 3 / 4

Sample Name	Edda Air® Plasma Ions Air Sterilize	Sample Received Date	2021.02.26
T	iral Activity Value (GX_P2V)	Test Period	

			ogarithm of ctivity titre of virus lgTCID$_{50}$/ml	Average titre infectivity of virus lgTCID$_{50}$/ml	Average infectivity t virus TCID$_{50}$
			5.58	5.55	3.58×10^5
			5.52		
GX_P2		roup 3	5.56		
Vero-E6		Test Group 1	< 1.50		

Time	
GX_P2V Vero-E6	1min

Virus inactivation rate
99.99%



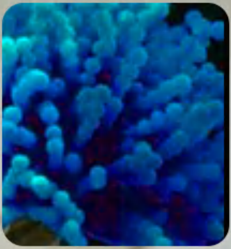
		Test Group 2	< 1.50	< 1.50	< 31.6		
		Test Group 3	< 1.50				
GX_P2V Vero-E6	5min	Control Group 1	5.58	5.55	3.58×10^5	> 4.05	> 99.99
		Control Group 2	5.52				
		Control Group 3	5.56				
		Test Group 1	< 1.50	< 1.50	< 31.6		
		Test Group 2	< 1.50				
		Test Group 3	< 1.50				
GX_P2V Vero-E6	10min	Control Group 1	5.58	5.55	3.58×10^5	> 4.05	> 99.99
		Control Group 2	5.52				
		Control Group 3	5.56				
		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 $20m^3$.

上海市杨浦区国伟路 139 弄杨浦都市工业园区内 9 号楼、10 号楼、18 号楼（200438）400-700-8005 www.weipugroup.com

E. coli*[1]
Sterilization rate of 99.99%

Staphylococcus aureus *[1]
Sterilization rate of 90.91%



Aspergillus Niger *[1]
Sterilization rate of 99.99%

Long - term air purification

The positive and negative ions produce neutralization reaction energy

Deep removal of harmful gases in the air

The smell Removal rate >97.5%

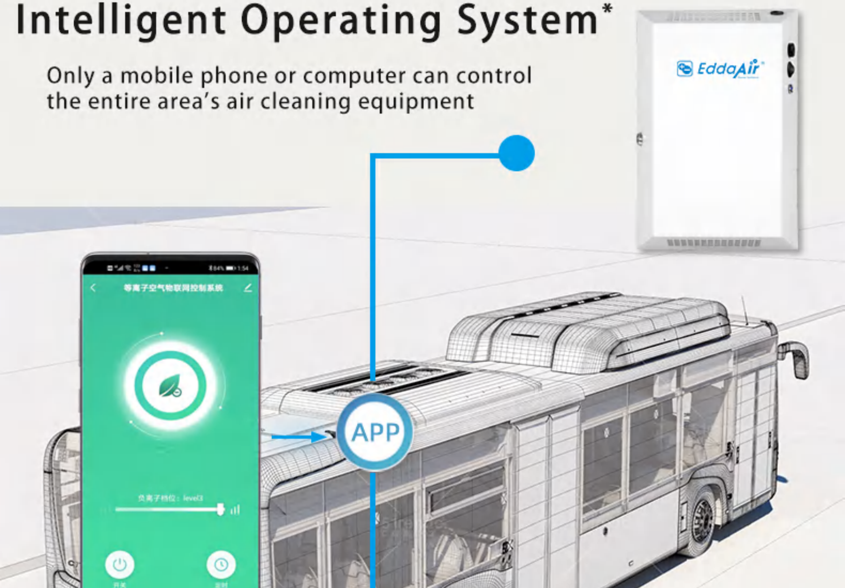
*[1] 廣微測 Report number：2019SP0928R01

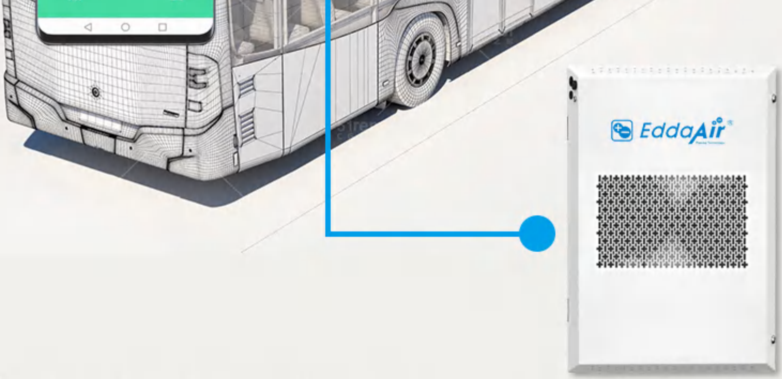
Other harmful substances can be purified

- GX-P2V
- H1N1
- PM2.5
- peculiar smell
- Hand-foot-mouth
- ASFV

Intelligent Operating System*

Only a mobile phone or computer can control the entire area's air cleaning equipment


EddaAir
等离子空气物联网控制系统
负离子档位：level3
APP



*** Optional functions, details, please consult customer service!**

Plasma ions Purifier VS Traditional Air Purifier

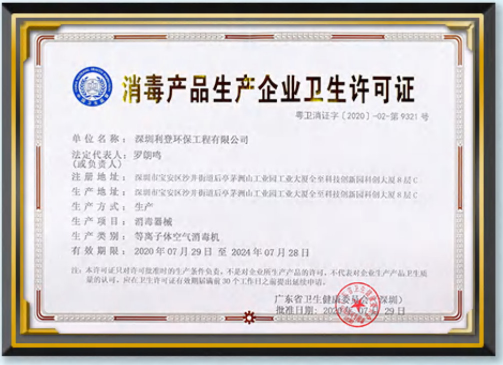
Mode Function	Plasma ions	PHOTOION GENERATOR	HIGH VOLTAGE STATIC ELECTRICITY	ACTIVATED CARBON FILTER 1	UV 2	Ozone machine	Chemical scrubber
Antibacterial and antivirus	Fast	General	General	╲	Slowly	Medium	╲
Human and machine coexistence	Support	Need to be designed	Support	Support	No	No	Support
Energy 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. The high initial cost of activated carbon requires extra space in the air handling unit and high replacement costs.
2. Under high-intensity use, ultraviolet rays will produce toxic gas and have mutagenicity. The killing rate of bacteria can be ignored Ignore it, it has no effect in the occupied space.

Qualification & Test Report

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

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



消毒产品生产企业卫生许可证

粤卫消证字〔2020〕-02-第 9321 号

单位名称：深圳利登环保工程有限公司
法定代表人：罗朗鸣
（或负责人）
注册地址：深圳市宝安区沙井街道后亭茅洲山工业园工业大厦全至科技创新园科创大厦 8 层 C
生产地址：深圳市宝安区沙井街道后亭茅洲山工业园工业大厦全至科技创新园科创大厦 8 层 C
生产方式：生产
生产项目：消毒器械
生产类别：等离子体空气消毒机
有效期限：2020 年 07 月 29 日 至 2024 年 07 月 28 日

注：本许可证只对许可批准时的生产条件负责，不是对企业所生产产品的许可，不代表对企业生产产品卫生质量的认可。应在卫生许可证有效期届满前 30 个工作日之前提出延续申请。

广东省卫生健康委员会（深圳）
批准日期：2020 年 07 月 29 日

全国消毒产品网上备案信息服务平台

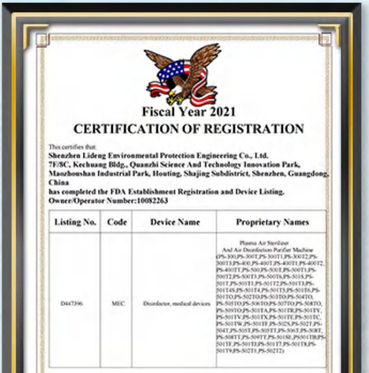
Edda

基本信息

检验报告列表

生产企业信息

详细信息



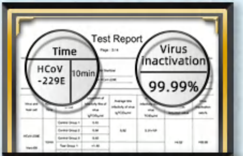
Fiscal Year 2021
CERTIFICATION OF REGISTRATION

This certifies that:
Shenzhen Lideng Environmental Protection Engineering Co., Ltd.
7F/8C, Kechuang Bldg., Quanzhi Science And Technology Innovation Park, Maozhoushan Industrial Park, Houting, Shajing Subdistrict, Shenzhen, Guangdong, China
has completed the FDA Establishment Registration and Device Listing.
Owner/Operator Number:10082263

Listing No.	Code	Device Name	Proprietary Names
D447396	MEC	Disinfector, medical devices	Plasma Air Sterilizer And Air Disinfection Purifier Machine (PS-300,PS-300T,PS-300T1,PS-300T2,PS-300T3,PS-400,PS-400T,PS-400T1,PS-400T2,PS-400TT,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-501TO,PS-502TO,PS-503TO,PS-504TO,PS-505TO,PS-506TO,PS-507TO,PS-508TO,PS-509TO,PS-501TA,PS-501TR,PS-501TY,PS-501TV,PS-501TX,PS-501TE,PS-501TC,PS-501TW,PS-501TF,PS-502S,PS-502T,PS-504T,PS-505T,PS-505TT,PS-506T,PS-508T,PS-508TT,PS-509TT,PS-501SE,PS501TB,PS-501TE,PS-501TJ,PS-501T7,PS-501T8,PS-501T9,PS-502T1,PS-502T2)

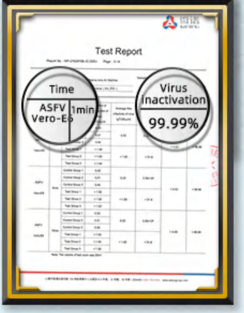
FDA

Initial Registration Date: July 05, 2021
Expiration Date: December 31, 2021



Test Report

Time
HCoV
-229E
10min
Virus
inactivation
99.99%

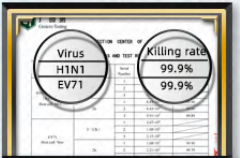


Test Report

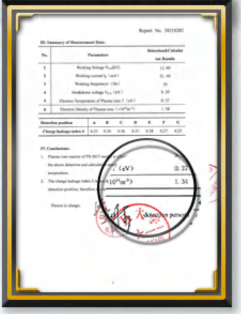
Time
ASFV
Vero-E6
1min
Virus
inactivation
99.99%

TEST REPORT

501TR,
UL 867, 5
UL 507, 1
UL 153, 1



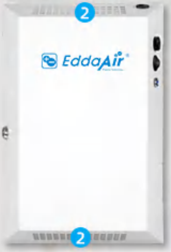
Virus
H1N1
EV71
Killing rate
99.9%
99.9%

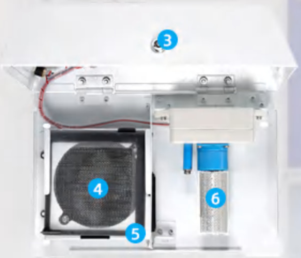


Product Application

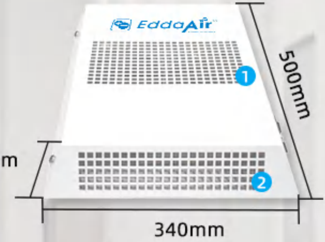
Product Display

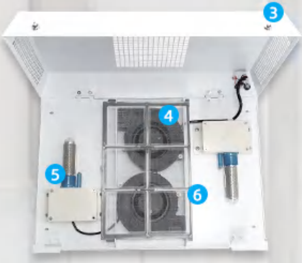
PS-500T1





PS-500T2





① Air inlet
② Air outlet
③ Device Lock
④ Fan
⑤ Plasma Generator
⑥ Primary filter

PS-500T1 Specification

Voltage and Power	Sterilization Method	Virus inactivation ratio%	Escherichia coli Inactivation rate	Material
12V /24V DC 7W	Plasma	99.99%	99.9%	Aluminum alloy

Air Volume m^3/h	Weight	Ion Tube Size (Standard)	Number of Ion Tubes	Ion Tube Life	Covered Area
0 ~ 60	1.0 kg	80mm	1	17000 Hours	20 ~ 30m^2

PS-500T2 Specification

Voltage and Power	Sterilization Method	Virus inactivation ratio%	Escherichia coli Inactivation rate	Material
12V /24V DC 26W	Plasma	99.99%	99.9%	Aluminum alloy

Air Volume m^3/h	Weight	Ion Tube Size (Standard)	Number of Ion Tubes	Ion Tube Life	Covered Area
0 ~ 220	3.0 kg	80mm	2	17000 Hours	50 ~ 100m^2