

EddaAir[®]
Plasma Technology



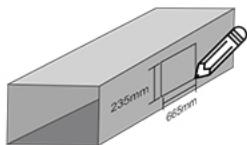
Model **PS-509TT**



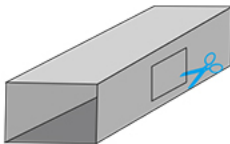
HOW EDDAAIR BIPOLAR IONIZATION WORKS

Much like sunlight does in the atmosphere, Edda Air technology produces a natural bio-climate rich in positive and negative oxygen ions. The negative ions contain an extra electron while the positive ions are missing an electron resulting in an unstable condition. In an effort to restabilize, these bipolar ions seek out atoms and molecules in the air to trade electrons with, effectively neutralizing particulate matter, bacteria and virus cells, odorous gases and aerosols, and VOCs.

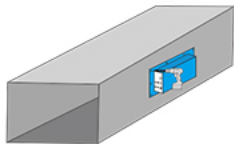
INSTALLATION



a



b



c

Applications of plasma ventilation in-duct series



HVAC



FCU



AHU

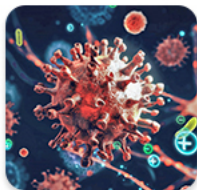


MAU

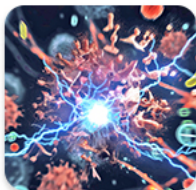
WORKING PRINCIPLE



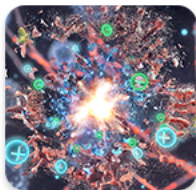
Plasma tube generation
Lots of positive and negative ions



Ions attack the pathogen
perforating cell walls



DNA and protein within the
cell wall are destroyed

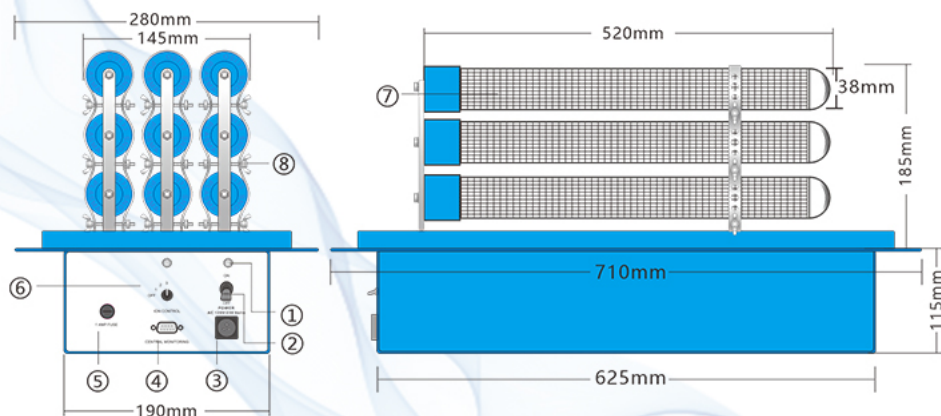


Which rapidly inactivates
it Until it is killed and
decomposed

SPECIFICATION

Size	710*280*320 mm	Applicable area	1300 m²
Weight	15.5 kg	Ion tube size	520 mm
Adaptive air volume	16000CFM(27200 m³/h)	Number of ion tubes	9 PCS
Voltage	AC 120V / AC 240V	Ion tube life	17000 hours
Power	67 W	Optional Accessories	Remote control / ion quantity control system
Noise	≤20 dB		
Shell material	SPCC		

PS-509TT (VENTILATION IN-DUCT SERIES)



- ① Work lights
- ② Power switch
- ③ Power plugs
- ④ Central monitoring
- ⑤ Fuse
- ⑥ Ion control
- ⑦ Ion tube
- ⑧ Screw

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 antiviral	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

PRODUCT FEATURES



Plasma Ion
Tube



Certificate



Bipolar Ionization



Healthy Safety



Easy Operation



Odor Removal



Low Consumption



Air Disinfection

CASE STUDIES





APPLICATIONS

Edda Air provides comprehensive indoor air quality solutions for all types of commercial, institutional, residential and industrial building projects.



HOSPITAL



OFFICE



FACTORY



PUBLIC PLACES



CLASSROOM



AIRPORTS