IVOLTAIR
ELECTROSTATIC AIR CLEANER

IV5000 & IV5000UV



Electrostatic Air Cleaner

KITCHEN EXHAUST APPLICATIONS

- Smoke
- Grease
- Wood-fire
- Odor
- Display mobile cooking stations
- Vent less hood

INDUSTRIAL APPLICATIONS

- Oil
- Fumes
- Dust
- Coolant
- CNC workshops

HVAC APPLICATIONS

- Lounges
- Smoking rooms
- Return air
- Supply air

www.ivoltair.com

IV5000 & IV5000UV

Technical specification

Dimensions (mm)	H515*W695*L1280
Metal of construction	MS CRCA 1.6MM
Finishing	7 tanks processed, Grey powder coat
Electrical parameters	110 - 220V AC, 50HZ, 100 Watts Max
High voltage	Dual output PWM technology power supply unit short circuit, arc protection and auto reset 1.0 Second recovery time CE certified power supply unit
Safety features	Door safety switch integrated, earth leak trip
Air volume	5000 – 6800 CMH
Particle capture range	0.1 Micron Meter - 10 Micron Meter
Maximum efficiency	95% DOP single pass test 97% DOP double pass test complies ANSI / ASHRAE 52.2-2017 standard test procedure
ESP cell technology	Dual stage (Ionizer & collector)
No of cells	2
Mesh filters	02 of aluminum mesh with SS304 frame
BMS connectivity	No volt Relay for BMS monitoring / alarm integration
Operator interface	Green LED - Healthy |Red LED - Clean / Maintenance | Power on/off switch | AC protection fuse
Installation type	Ceiling suspended, floor and stand mount.

UV details (IV5000UV) for odor removal & air disinfection application

UV lamp wattage	130W * 02
UV output	420 micro watt/sq cm
OZONE output	4.2 Grams/hour (at standard conditions)
Rated life	10000 hours
Control unit	Digital timer with run hours display
Operator interface	UV on blue LED indication

*Complies **ASHRAE 52.2-2017** Standard for filter efficiency test*

*Complies **NFPA96** Safety standard for ventilation application*

*Complies **NFPA79** electrical standard*

*Complies **IS2418** standard for UV lamps*

*Complies **IS13021** standard for UV ballast*

*Complies **CE** standard for high voltage power supply*

IVOLTAR® Electrostatic Air Cleaner comes with BDC™ enabled, Bi-directional configuration this enables user friendly installation regardless of directional limitation

Registered Design

CE ISO

Product of India

Maximum efficiency of the machine achieved within minimum specified air velocities and proper duct work design. IVOLTAIR® and BDC™ are the registered properties of its respected organizations

Company contact information

Envisync Systems Pvt Ltd
Hyderabad TS India.

sales@ivoltair.com

www.ivoltair.com

As a part of continues product development this document will be subjected to upgrade, change and modify without any notice, please check for updated document timely.