IVOLTAIR
ELECTROSTATIC AIR CLEANER

Ventilation Ecology Unit



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

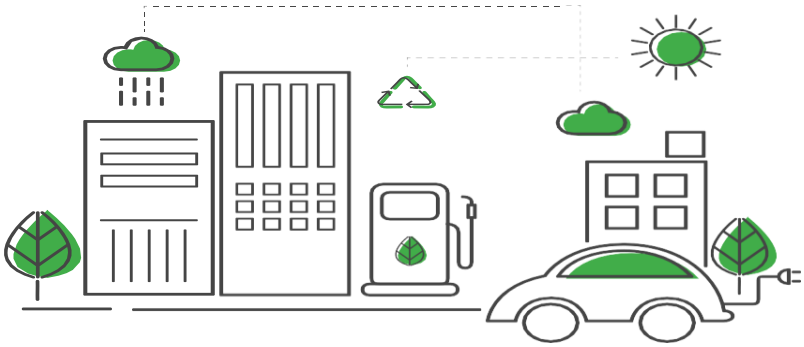
- *Lounges*
- *Smoking rooms*
- *Return air*
- *Supply air*

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Ventilation Ecology Unit

Technical specification

Capacity	Up to 30000 CFM Standard Models & Customized Design
Construction	Extruded Aluminum section, PU Foam Filled Double Skin Construction
Electrical	3Ph system
Electrostatic Precipitator	Yes, Double Pass, High Efficiency ESP cell Modules.
Bag filter	Yes, F7 Grade Multi Pocket Bag filter
Activated Carbon filter	Yes, carbon media filter in G4 grade down to 10 microns
UV system	Yes
Fan type	Backward curve, Centrifugal Fan Unit.
Filtration Efficiency	95 - 98 %
Electrical control Panel	Yes, Integrated Control panel with PLC, HMI & VFD.
BAS / BMS compliant	Yes, MODBUS RS485, Ethernet.
Compliant standards	Complies ANSI/ASHRAE 52.2-2017 standard test procedure
Installation	Floor / Ceiling suspended



*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

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