

DM450/DM900 CEILING SUSPENDED ELECTRONIC AIR CLEANER

With UVC Germicidal Irradiator

The DM450/DM900 is a commercial grade Electronic Air Cleaner with UVC Germicidal Irradiator. This unit is designed to be flush mounted to false Ceilings in the room. The DM450/DM900 is effective in removing dust, tobacco smoke, bacteria, pollen, lint and various pollutants. The UVC irradiator disables germs and bacteria in the environment, making the air cleaner and healthier. The air is purified and recycled back to the premises. This means there is no loss of cool or heated air from the premises as the dirty air need not be exhausted out from the premises.

The DM450/DM900 is suitable for use in offices, bars and restaurants, classrooms, clubs, smoking rooms, clinics, medical institutions etc.

FEATURES

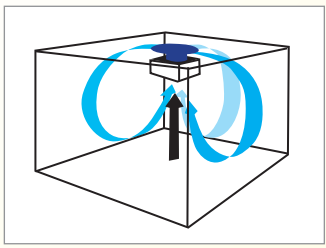
- Infra Red Remote Control
- UVC Germicidal lamps to eliminate germs and bacteria
- 3 Speed motor control for desired rate of cleaning
- Washable Main Filters and Pre-filters
- Optional charcoal filter for odour control.
- Flush Mounted to false ceiling, Fits into 60cm x 60cm and 60cm x 120cm ceiling board.
- Re-circulates clean indoor air without any loss of airconditioning or heating in the room. Dirty air intake in one direction and clean air discharge in 3 directions.
- Collect dust particles from 0.01 microns and up.

SPECIFICATIONS

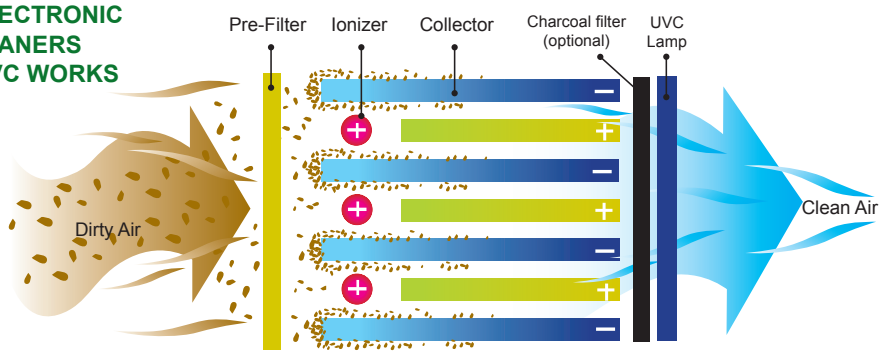
| | DM450 | DM900 |
|------------------------|---|------------------|
| Dimensions. WxLxH (mm) | 570 x 570 x 300 | 570 x 1150 x 350 |
| Material | 1.0mm Electro Galvanised Steel, Epoxy Powder Coated | |
| Weight | 27 Kg | 50Kg |
| Voltage | 230VAC | 230VAC |
| Power Consumption: | 220 watts | 450 watts |
| Efficiency | Up To 95% | Up To 95% |
| Max Air Volume | 800 CMH | 1550 CMH |
| Speeds | 3 | 3 |
| Coverage (Floor Area) | 40 - 50 Sqm | 80 - 100 Sqm |
| Ionising Voltage | 8.1 KV | 8.1 KV |
| Collecting Voltage | 4.1 KV | 4.1 KV |
| UVC Lamp | 15 Watts | 15 Watts |



COANDA AIR FLOW EFFECT



HOW ELECTRONIC AIR CLEANERS WITH UVC WORKS



Air passes through the high voltage ionizing section where it is given a high electrical charge. The charged particles then pass through a series of alternately charged plates. The charged particles are repelled by plates with the same polarity and attaches to the plates of the opposite polarity.

A 15 watt UVC germicidal lamp adds to the cleaning process by destroying germs, bacteria and viruses in the air as it flows through the machine.



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