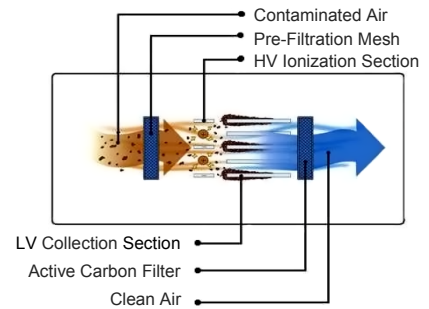
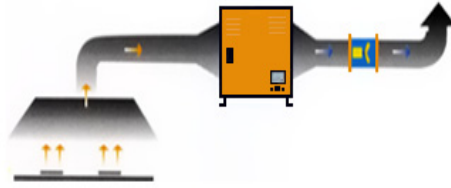


# ADM AK-Series Electrostatic Air Cleaner

## For Commercial Kitchen Exhaust Air Cleaning



Typical grease filters in the cooker hood itself is only for controlling the large grease particulates generated during the cooking process but are ineffective in removing the finer grease particulates, oil mist, cooking fumes, smoke and odors. These pollutants build-up in the ducts, blower, roof and outside walls of the building, are highly flammable and frequently cause fires.

**The AK-Series**, our high performance kitchen exhaust air cleaner provides effective containment for air pollutants and prevents possible fire hazard and reduces air duct cleaning maintenance while keeping the air free of annoying smoke and greasy odors. The treated air can then be re-circulated back to the airstream or expelled out of the building.

These air cleaners are designed based on the principle of Electrostatic Precipitation\*, with high efficiency filtration and odor absorption filters.

The efficiency rating is 95% for particles of 0.01 micron in accordance with ASHRAE Standard.

\*Electrostatic Precipitation: The removal of very fine particles suspended in a gas by electrostatic charging and subsequent precipitation onto a collector in a strong electric field.

### How AK series works

Contaminated air is drawn by the blower through a washable metal mesh pre-filter, which traps large dust particles. The remaining particles, some as small as 0.01 micron, pass into a strong electrical field (ionizing section -12.5 kV ~13KV) where the particulates receive an electrical charge. The charged particles are then drawn into a collecting plate section made up of a series of equally spaced parallel plates. Each alternate plate is charged with the same polarity (collecting section- 6~7KV) as the particles, which repel, while the interleaving plates are grounded, which attracts and collect the contaminants. An after-filter will then complete the air cleaning process.

### Key Features

- Two stage electrostatic precipitators, Pre-filter & After-filter
- On-off switch with indicating light
- 16 gauge welded galvanized steel cabinet with powder coated finish
- Over-load protection in the power system
- No tools required for quick and easy service & maintenance
- Electronic cells are designed to be dishwasher-safe

Specification	AK-30	AK-50	AK-60
Air Volume (cmh)	3000	5000	6000
Power Consumption (W)	40	60	80
Dimension (mm) W x H x L	500 x 666 x 590	500 x 666 x 800	500 x 666 x 1060
Flange (mm)	404 x 474	612 x 474	874 x 474
Weight (kg)	55	65	75