

THE COMMERCIAL KITCHEN FILTRATION EXPERTS



Electrostatic Precipitation (ESP) Filter Unit



KEY FEATURES

- Eliminates up to **98% of oil, grease** and smoke particulate
- Filters particles down to sub-micron levels
- Produces Ozone to help reduce malodours
- Designed with an integral sump
- Modular in design
- Specifically designed for **commercial kitchen** application
- Energy efficient: - uses **no more than 50W**
- Greatly reduces grease build-up within the duct run

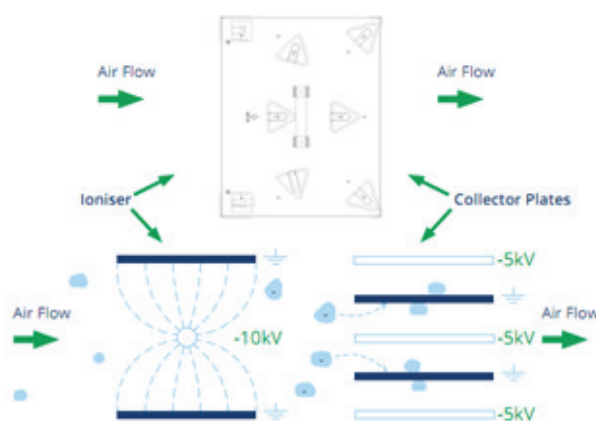
Technical Specification

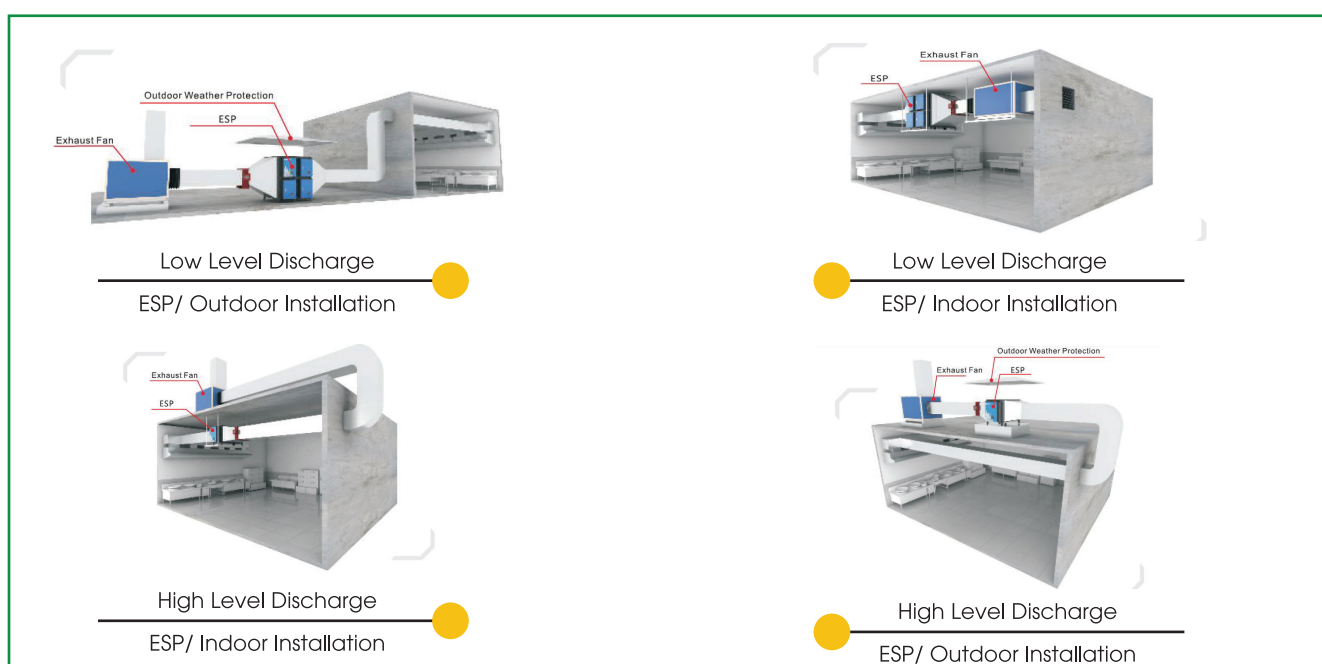
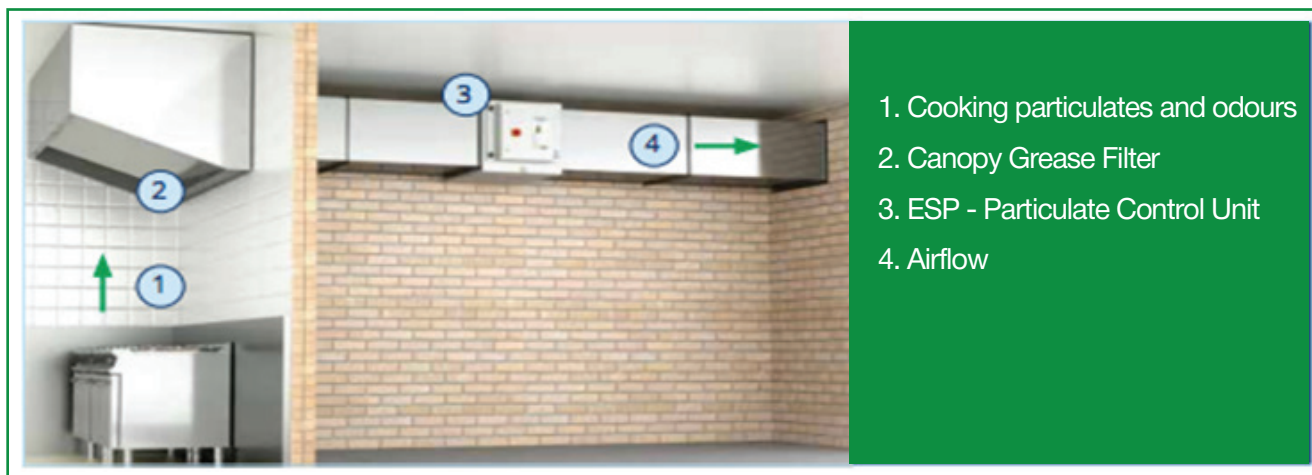
	ESP 1500	ESP 3000	ESP 4500	ESP 6000
Electrical Supply	220/240V 50Hz	220/240V 50Hz	220/240V 50Hz	220/240V 50Hz
Power consumption	20 Watts	30 Watts	40 Watts	50 Watts
Max Air Volume	Up to 0.7m ³ /sec	Up to 1.4m ³ /sec	Up to 2.1m ³ /sec	Up to 2.8m ³ /sec
Dimensions W/H/D	450mm/630mm/640mm	900mm/630mm/640mm	1350mm/630mm/640mm	1800mm/630mm/640mm
Weight	55Kg	85Kg	118Kg	153Kg

Technical specifications apply to both the Standard type (EI) and the UL-approved type (EUL).

OPERATING PRINCIPLES

The above diagram shows, in a basic visual, how an electrostatic precipitator works. As air passes into the combined ioniser/collector cell, the particulates in the air stream are polarised to a negative potential. As they continue through the ioniser and between the collector cell plates, the polarised particulates are repelled away from the negatively charged plates and attracted to the earthed plates where they stick and so are filtered out of the air flow.





AUTOWASH SYSTEM

An Autowash option can be provided for our entire ESP range. The autowash nozzle attachment sits inside our standard ESP units. Once connected to the control/wash station the collection cells can be automatically cleaned at regular frequency. The system is usually factory fitted but can also be retro fitted in existing installations, dependant on the generation of units installed. Daily cleaning keeps the filters working at their optimum efficiency and will greatly reduce the number of service visits required through the year.

