

# ESP RANGE



Our ESPs have been specifically designed for kitchen extract systems; they have integral sumps to collect the oil, grease and smoke particles filtered out of the exhaust.

This not only simplifies servicing but eradicates potentially dangerous spillage from the bottom of the units and greatly cuts down on build-ups of grease within the ducting.

The ionisation voltage has been designed to run at a negative potential which enhances the ionisation of particles and also produces more ozone which is helpful in reducing cooking odours.

## KEY FEATURES

- ▶ Eliminates up to 98% of oil, grease and smoke particles
- ▶ 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
- ▶ IP65 rated for outside location

### Main Cabinet

Made of 18 gauge galvanised steel.

Fully welded to prevent any collected grease leakage.

Can be re-handed on-site without modification to provide Right to Left and Left to Right configuration.

Incorporates a sump for collecting oil and grease—minimum 16 litres capacity per collector cell.

Auto wash system is available – Factory or retrofit (after installation)

### Electrical Housing

Waterproof electrical housing.

Safety isolator to prevent the opening of the housing when switched on.

### Electrical Components & Capability

LED run light to indicate power and health.

Insulated using glazed ceramic.

Safety micro switch, which will disengage when the main door is opened.

The HVPS is a dual unit providing voltage at -10Kv for the ioniser and -5Kv for the collector.

The high voltage is negative polarity.

### Mesh Filters

Pre and post-mesh filter per collector.

Size: 485 x 450mm, made from woven aluminium.

### Collector Cell

Collectors and Ionisers are combined in a one-piece unit.

Size: 480 x 450 x 375mm.

Universal size, installed in groups of four.

### Serviceable Components

Collectors/filters are fully removable.

Hinged and removable door for service access.

	ESP 1500E	ESP 3000E	ESP 4500E	ESP 6000E
Electrical Supply	200/240V 50Hz	200/240V 50Hz	200/240V 50Hz	200/240V 50Hz
Max Air Volume	up to 0.7m <sup>3</sup> /h	up to 1.4m <sup>3</sup> /h	up to 2.1m <sup>3</sup> /h	up to 2.8m <sup>3</sup> /h
Max Power Consumption	20w	50w	50w	50w
Dimensions (mm)	W 450 mm	W 625 mm	W 609 mm	W 609 mm
	H 630 mm	H 630 mm	H 630 mm	H 630 mm
	D 640 mm	D 640 mm	D 640 mm	D 640 mm
Weight (kg)	55kg	85kg	118kg	118kg
Min/Max Working Temperature	4/56oC	4/56oC	4/56oC	4/56oC
Max Relative Humidity	75%	75%	75%	75%
Resistance	175pa	175pa	175pa	175pa

## THE BENEFITS OF ELECTROSTATIC TECHNOLOGY



Eliminates up to 99% of particles



Filters particles down to sub-micron levels



Modular design



Energy efficient