

EXCELAIR

EP Series
Electrostatic Air Cleaner



EP Series

Electrostatic precipitators (ESPs) or electrostatic air cleaners are particulate collection devices which use electrostatic forces to separate particulate matter (PM) from exhaust air. Electrostatic precipitators (ESP) are highly efficient and can remove dust and smoke from the airstream by minimally interfering with the airflow. EXCELAIR EP Series is ideal for the removal of grease and smoke from commercial cooking applications, as well as smoke, fumes, and oil/coolant mists from industrial processes.

APPLICATIONS:

Excelair ESP is specifically designed for kitchen extract system. These units are particularly used to reduce smoke, grease and cooking smells from the extract of commercial kitchens and restaurants. The duct- installed ESP systems trap the smaller grease particles and other contaminant that pass the grease filters in the kitchen hood. These units are suitable for indoor and outdoor application. The entire range fit in-line with the kitchen ducting and can be configured modularly to cope with all extract requirements.

▮ Capable of handling kitchen extract from Hotel, Restaurant, Food-Processing Plant
▮ Smoke and oil mists - Unit is capable of filtering smoke and mist from manufacturing processes, food processing and oil mists.
▮ Mediums - Unit is capable of filtering dusts, mists, and/or fumes.



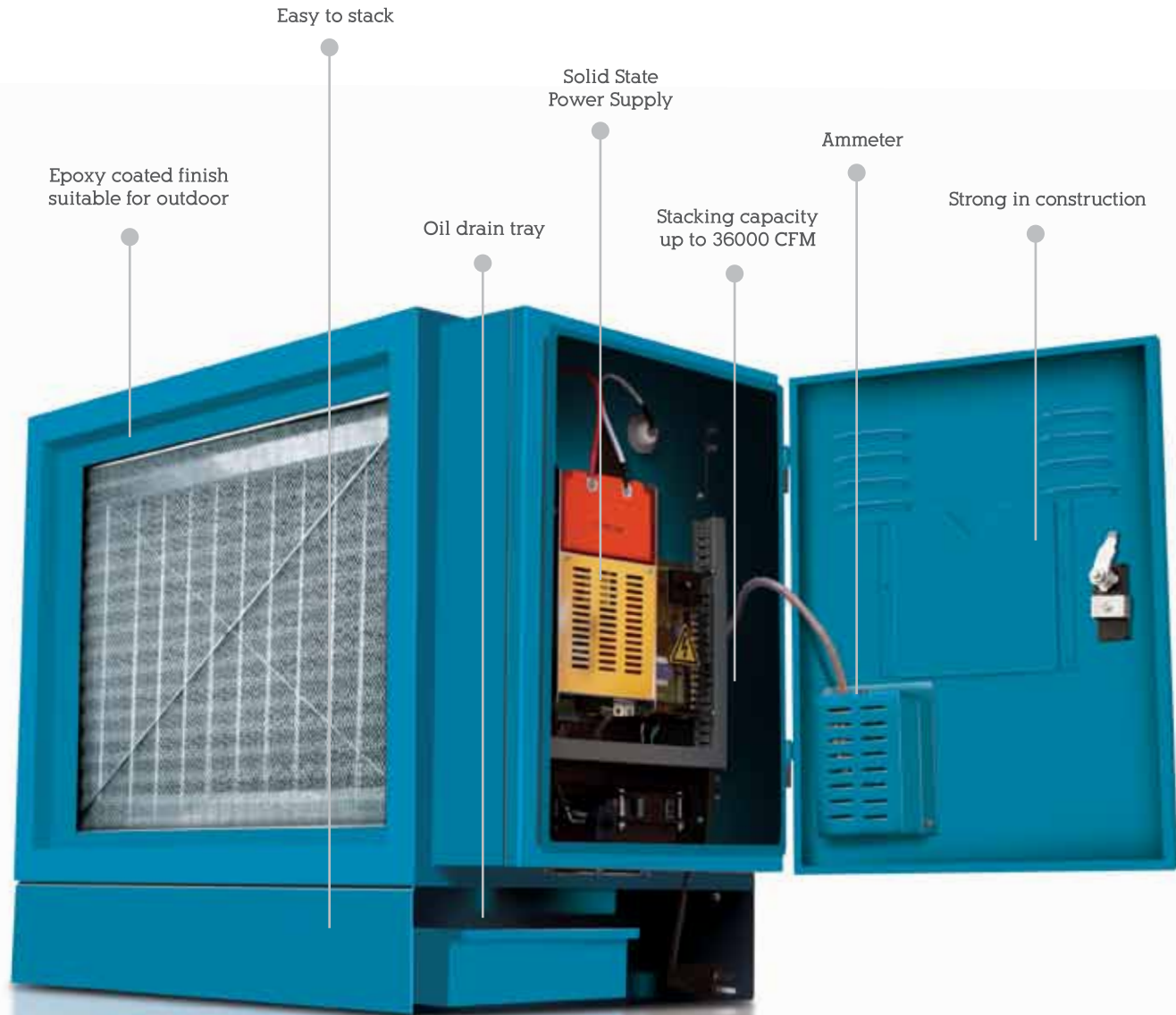
FEATURES

Efficient: ESP can achieve upto 99% efficiency

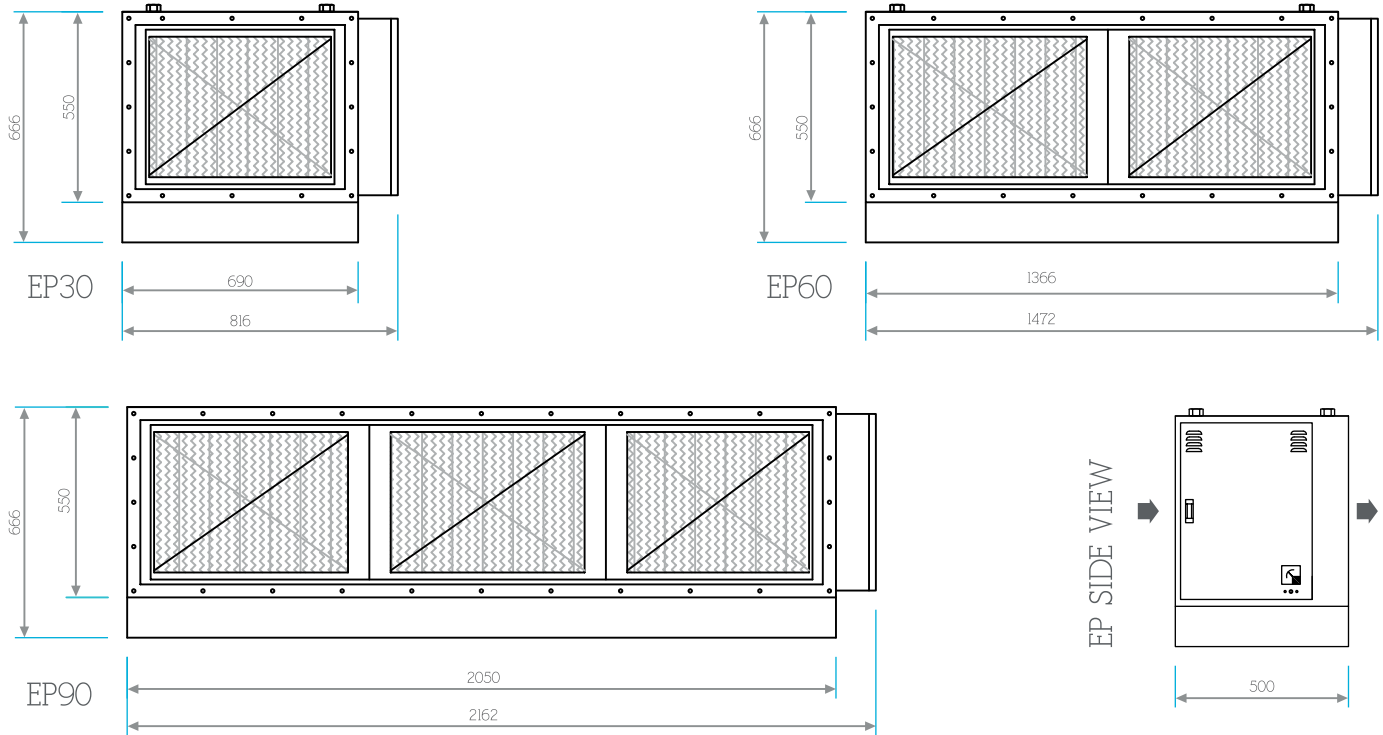
Advanced: Electrostatic power control system adjusts the electric field intensity automatically.

Safe: Overload protection in the power system ensures the safe running.

Economic: Long service cycle, lower power consumption, fits in less space.

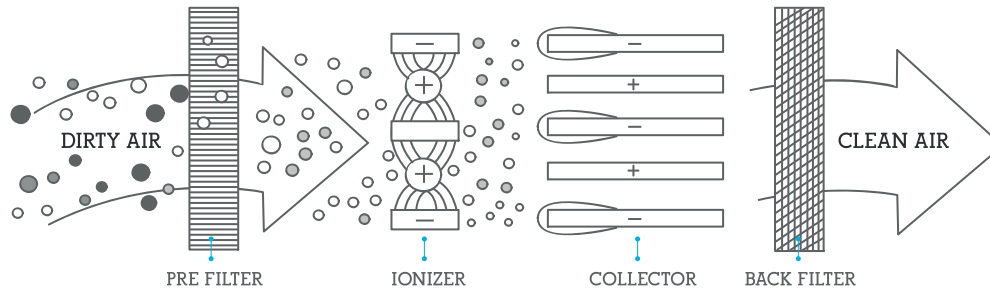


EP30, EP60, EP90 DIMENSIONS



HOW IT WORKS !

As air enters the electrostatic filter, the particles pass through a high intensity electrical field that imparts an electrical charge to the particles, which range in size from 0.01 micron to 10 microns. The charged particles pass through a series of alternately charged collector plates. Particles are repelled by plates with the same polarity and attracted to plates with opposite polarity, similar to how a powerful magnet works.



High Efficiency, Low pressure drop !

AIRFLOW DETAILS

Efficiency	Resistance	EP30	EP60	EP90
99%	0.12" wg	1800	3500	5300
95%	0.22 " wg	2000	4000	6000
80%	0.49" wg	3000	6000	9000

CELL SPECIFICATION

Dimension
677 (W) x 464 (H) x 254 (D)

Weight of Each Cell
18 Kg per cell

Material
Aluminium & Stainless steel

PRE-FILTER DETAILS

The EP units shall have one filter at
the air entry side.

Filter
1" thick - Excelair Metallic Filter

Mounting
Hanging / Floor mounting

SPECIFICATION

EP30	EP60	EP90
60 W Nominal	100 W Nominal	120 W Nominal
1800 CFM @ 99%	3500 CFM @ 99%	5300 CFM @ 99%
3000 CFM @ 80%	6000 CFM @ 80%	9000 CFM @ 80%
65 Kg	85 Kg	105 Kg
200-240 V, 50 hz	200-240 V, 50 Hz	200-240 V, 50 Hz
GI Epoxy Coated	GI Epoxy Coated	GI Epoxy Coated
1	2	3
690 W x 550 H	1366 W x 550 H	2050 W x 550 H
816 x 666 x 500	1472 x 666 x 500	2162 x 666 x 500
99%	99%	99 %

EP Series

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EXCELAIR

Products from



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