

AIRCLEAN

YOUR AIR FILTER MANUFACTURER

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Electrostatic Precipitator Filter

Applications

- Secondary grease and particulate removal
- 95% efficient against grease and smoke
- Low Resistance to Airflow
- Requires regular maintenance



Construction

The Airclean Electrostatic Air Cleaner is manufactured from 1.5mm Galvanised Steel and finished with an Epoxy Powder Coat. The two metal washable filters within the unit are manufactured with an aluminium frame and an aluminium knitted mesh filter pad.

The Ioniser and Collector in the unit are combined in a single aluminium cell using stainless steel spiked ionisers operating at 12kV, with the collector charged at 5.9kV and alternate plates at earth potential.

Technical

Filter Classification:

Grade F8 to EN779

Maximum recommended face velocity:

2.5m/s

Maximum operating temperature:

60°C

	1H x 1W	1H x 2W	2H x 2W	3H x 2W	4H x 2W
Airflow Rating (m ³ /s)	0.37 - 0.61	0.62 - 1.23	1.24 - 2.25	2.26 - 3.68	3.69 - 4.9
Optimum Airflow (m ³ /s)	0.43	0.92	2.06	3.21	4.29
Pressure Drop (Pa)	100	100	100	100	100
Overall Casing Height (mm)	533	533	1066	1599	2132
Overall Casing Width (mm)	626	1087	1087	1087	1087
Overall Casing Depth (mm)	635	635	635	635	635
Duct Height (mm)	432	432	965	1498	2034
Duct Width (mm)	397	857	857	857	857
Weight (kg)	44	80	160	240	320
No. of Cells	1	2	4	6	8

Supply Voltage 240 Volt Single Phase 50Hz

Extras

Control Panel Handing (Left / Right of Airflow), Oil Drain Point, Suspension Bolts, BMS Relay Contacts

Maintenance

The cell requires regular removal and cleaning using a proprietary cleaning fluid available in concentrate form in drums of 19, 113 and 208 litres.