

Particulate Removal (Grease and Smoke)






Modular Type





MAM-ESPE1 Series

Electrostatic Precipitator Technology consists of the Pre-Filter, Ionizer, Collector and After Filter sections. The Pre-Filter section filters out coarse particles from the contaminated air, while the Ionizer section charges the fine particles that are not filtered by the pre-filter. These charged particles will then enter the Collector section which is made up of parallel spaced plates. Each alternating plate is charged with the same polarity as the charged particles which will in effect repel the particles on to the other set of plates that is grounded. The particles will remain collected at the grounded plates until they are washed away.

The After Filter section is entirely optional. Whether it is for removal of odours or hazardous gases, this section is customizable to meet the customers' needs as AAF has a full range of filtration products capable of serving their requirements.

SERIES						
Model		MAM-ESP30E1	MAM-ESP40E1	MAM-ESP60E1	MAM-ESP80E1	MAM-ESP120E1
Input Power		220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz	220V/50Hz
Airflow (m³/h)		2400-3400	3400-4800	4800-6800	6800-9800	9600-13600
Efficiency		95%	95%	95%	95%	95%
Resistance* (Pa)		23	23	23	23	23
Dimension (LxWxH mm)		677x560x833	845x560x833	1187x560x833	1523x560x833	2201x560x833
Flange mouth dimension (AxB mm)		431x614	599x614	941x614	1277x614	1955x614
Rated Power (w)		56	77	121	154	231
Electrical Cell (Pc)		1	1	2	2	3
Power pack quantity		1	1	1	1	1
Unit Weight (kg)		61	71	95	116	168

SERIES			
Model		MAM-ESP160E1	MAM-ESP240E1
Input Power		220V/50Hz	220V/50Hz
Airflow (m³/h)		13600-19200	19200-28800
Efficiency		95%	95%
Resistance* (Pa)		23	23
Dimension (LxWxH mm)		1523x560x1536	2201x560x1536
Flange mouth dimension (AxB mm)		1277x1317	1955x1317
Rated Power (w)		308	462
Electrical Cell (Pc)		4	6
Power pack quantity		2	2
Unit Weight (kg)		224	326

*Resistance (Pa) indicated above refers to collector cell resistance only.

**Actual product and specification may vary due to product enhancement.

***Unit by default comes with perforated plate <150 Pa.