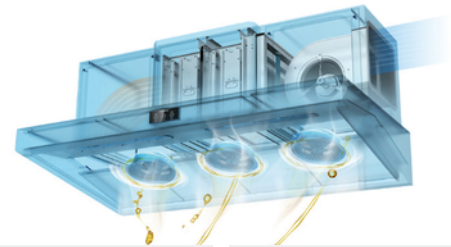




ELECTROSTATIC PRECIPITATOR (ESP) ELECTROSTATIC AIR CLEANER & BLOWER *integrated into a commercial kitchen hood*

RydAiR RC Series is an Electrostatic Precipitator (ESP) air purification system designed for commercial kitchens and restaurants. The ESP system is integrated into a stainless steel hood structure to capture, filter and remove cooking smoke, grease vapors and oil mist before discharge.

The stainless steel hood acts as the air capture enclosure, while the integrated ESP ionizing and collecting cells perform the main air cleaning function. RC units are available with or without a suitably sized blower for connection to ductwork or an external exhaust fan.



*Integrated ESP collection cells are made of stainless steel for reliable oil mist and smoke removal.
UV lamps provide additional purification after ESP*



Top Discharge



Front Discharge



Rear Discharge

RC Series

ELECTROSTATIC AIR CLEANER ESP

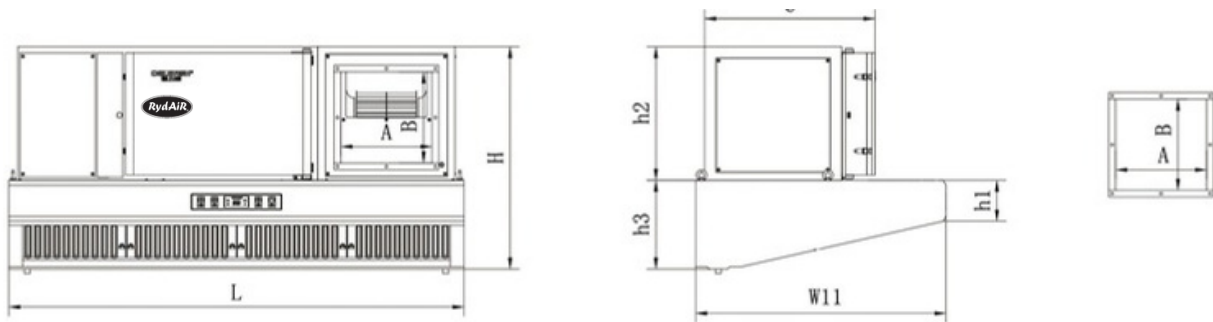
integrated into commercial kitchen hood

Multiple ESP units (without blowers) installed side by side and served by an external exhaust fan for discharge outside the premises.



Essential Function Statement

The essential function of the RC Series is electrostatic air filtration and purification. The stainless steel hood structure is the integrated capture enclosure for kitchen exhaust air.



Model No	RC3200	RC3201	RC4800	RC4801
Motor & Blower	Nil	Yes	Nil	Yes
Airflow Capacity (m ³ Hr)	3,200	3,200	4,800	4,800
Voltage Input	230V 50Hz 1 Phase	380V 50Hz 3 Phase	230V 50Hz 1 Phase	380V 50Hz 3 Phase
Max Oil Mist Concentration (mg/m ³)	20	20	20	20
Discharge Oil Mist concentration at Outlet (mg/m ³)	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Cleaning Efficiency (%)	≥ 95%	≥ 95%	≥ 95%	≥ 95%
Overall Dimension (L x W x H) mm	1600 x 1100 x 977	1600 x 1100 x 977	2400 x 1100 x 977	2400 x 1100 x 977
Outlet Flange Dimension (AXB) mm	400 x 400	400 x 400	400 x 400	400 x 400
Dimensions: H1,H2,H3,C	180 / 587 / 390 / 748	180 / 587 / 390 / 748	180 / 587 / 390 / 748	180 / 587 / 390 / 748
Power ESP (W)	280	280	280	280
Blower & Motor (kW)	NA	1.1	NA	1.5
UV Lamps	Yes	Yes	Yes	Yes
Material	Stainless steel SUS201	Stainless steel SUS201	Stainless steel SUS201	Stainless steel SUS201
Gross Weight (Kg)	183	210	248	275
Primary function	ESP air filtration	ESP air filtration	ESP air filtration	ESP air filtration
Filtration technology	Electrostatic precipitator	Electrostatic precipitator	Electrostatic precipitator	Electrostatic precipitator
Gross Weight (Kg)	Oil mist / smoke	Oil mist / smoke	Oil mist / smoke	Oil mist / smoke



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