

SCRUBBOX®

*For commercial kitchens
& industrial exhaust
air cleaning systems*

Electrostatic Precipitators



CLEANING POWER LIKE NEVER BEFORE

7 *Reasons* **SCRUBBOX** *works better*

**1 NO MORE DUST,
SMOKE, GREASE &
MOISTURE**

**2 HIGHER EFFICIENCY
AND STABILITY**

3 LONGER LIFE SPAN

4 CONSTANT TEMPERATURE

An external heat exchange box helps to keep the electrical cabinet temperature constant with or below the external workplace environment temperature, ensuring stable performance & preventing damage to the life of ESP components.



SCRUBBOX EAN-300
with blower attached

SCRUBBOX is made of solid construction and heavy-duty collection plates that deliver more than 95% efficiency & amazing consistent performance - every single day.

Engineered to work 24 hours with minimum power consumption, it dramatically reduces dust, oil, grease, smoke & moisture build-up.

An internal fan continuously expels hot air, ensuring optimum performance. Quality production means our products stand the test of time. Maintained properly, each SCRUBBOX is designed to last for life.

5 DURABLE, SOLID STEEL EXTERIOR FINISH

6 LOW MAINTENANCE

7 LOW ENERGY USE

HOW IT WORKS

Electrostatic precipitators are highly efficient air filtration devices that minimally impede the flow of gases through the device, thereby easily removing fine particulate matter from the air stream.

As air is pulled into the device, it first passes through a metal mesh pre-filter that traps large dust particles. The rest of the gas stream - still filled with tiny oil, fat, grease & smoke particles, is then drawn into an electrical field between a set of ionizing wires and equally-spaced metal plates.

In this electrical field, the fine particulate matter is charged and flows to a second set of parallel grounded plates, where it is collected and forms layers. These layers of contaminants are held on the plates because of the electrostatic pressure, but can be washed away later during general cleaning and maintenance.

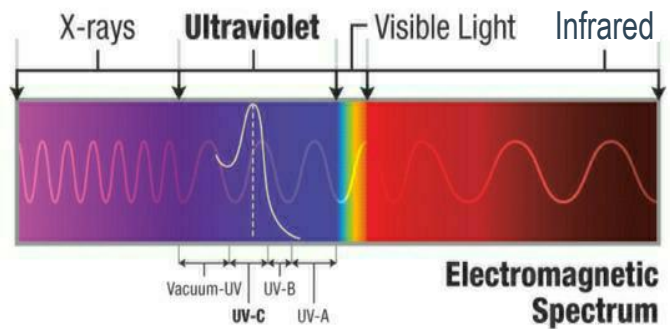
AOM's unique SCRUBBOX design also allows the optional installation of UV-C lamps and carbon filters in each device - this gives each electrostatic precipitator an even greater cleaning and filtration power unmatched in the market.



A wire-mesh (pictured below) traps large dust particles, before a series of collection plates remove additional grease, smoke, and odors.

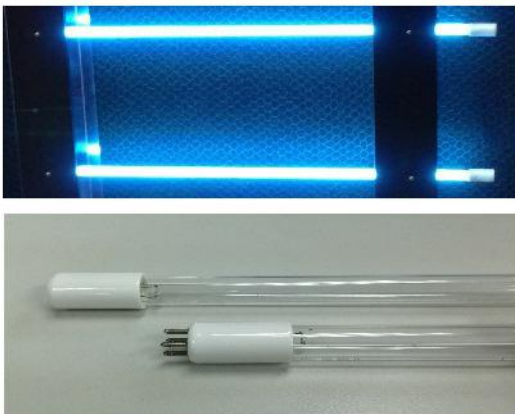


DESTROY GREASE WITH UV-C LIGHT TECHNOLOGY



SCRUBBOX ESP + UVC IRRADIATION

Incorporation of UVC lights intensify the power of exhaust air purification. UVC light with a short wavelength of 185nm, technologically proven to effectively contain heavy cooking odor; as well as prohibiting oil, fat and grease build up in the kitchen exhaust duct work.





GOING MOBILE? NO PROBLEM

Our mobile SCRUBBOX is perfect for street vendors, night market food stands, or any small-scale kitchens.

It's portable, easy to install, and can capture fat, oil, smoke and grease particles easily. No costly replacement filters, low maintenance and operation costs.

In other words, a total package - and a recipe for success.

MODEL EAN 2002L2 MACHINE SIZE 490 X 770 X 1430 WEIGHT 65KG
AIRFLOW 2000 CFM/3400CMH or 945L/S IONIZING WIRES 12 HIGH
VOLTAGE COLLECTION PLATES 54 GROUNDED PLATES 52
COLLECTING CELLS 2 PRE-FILTER 1 8-INCH EXHAUST DIAMETER HIGH/
LOW VOLTAGE 14,000V/7000V POWER SUPPLY 220 TO 240V

SCRUBBOX AT WORK



TYPICAL APPLICATIONS

SCRUBBOX can be used in any air cleaning applications, but most often, you can find them in the following areas: commercial kitchens, factory exhaust systems; as oil mist collectors for computer numerical control machines, in commercial areas and buildings, and as part of clean air systems for exhibition centres, and for smoking areas. Places you might find our SCRUBBOX at work include: Commercial Kitchens, F&B Outlets, Cafes & Restaurants, Bars & Clubs, Factories & Workshops.

SPECIFICATIONS

EAN200

EAN300

EAN400

EAN600

Air Volume	2000CFM/ 3400CMH	3000CFM/ 5100CMH	4000CFM/ 6800CMH	6000CFM/ 10200CMH
Air Flow	Left to Right; Right to Left			
Operating Voltage	220 ~ 240V 1P/50/60Hz			
Ionizing HV/LV	14000/7000V			
Power Consumption	70 ~ 140 Watts			
Static Pressure	100 Pascal			
Machine Size (L x W x H, mm)	690 x 550 x 650	930 x 530 x 650	1170 x 550 x 650	1640 x 550 x 650
Weight	60kg	75kg	90kg	120kg
Cabinet	1.5mm Electro-Galvanised Steel Powder Coating			
No of Cells	1	1	2	3
Air Filters	Washable Aluminium Pre-Filter, Optional Carbon Filter			
Safety Feature	Auto power cut-off when door is opened			
Added Feature	External Heat Exchanger			
Efficiency	≥ 95%			
Certification	CE, TUV, FCC Certified			
BMS	Yes			
Blower fan & UVC	Optional			

SCRUBBOX underwent rigorous testing and certification by TUV Rheinland





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