

# SCRUBBOX

## High-Efficiency Kitchen Exhaust Electrostatic Air Cleaner

Protecting the environment using state-of-the-art Electrostatic Precipitation (ESP) technology to treat cooking pollution to the strictest global regulatory standards.

ASHRAE 52.1

**98.7%**

Filtration Efficiency

ASHRAE 52.2

**97.9%**

Particulate Capture

ISO 16890-2

**95.0%**

Global Standard



### Standard Build

**Pre-Filter**

Captures large debris and particulates

**Integrated Oil Pan**

Streamlined collection of liquid waste

**Electrostatic Cell**

Collect grease, oil & dust particulates



### Optional Add-ons

**UVC Emitter**

Germicidal elimination (UVGI) and deep grease breakdown.

**Activated Carbon Filter**

Superior gaseous pollutant and intense odor removal.

**Rain Cover**

For outdoor installation



### Patented Heat Exchanger

Incorporated design to regulate component temperatures. This innovative feature safeguards the equipment lifespan and ensures consistent performance under heavy-duty usage.



### Stringent Quality Control

Produced and strictly checked in our Taiwan factory. Every SCRUBBOX unit undergoes rigorous performance testing to ensure it meets our uncompromising global standards.



### Short-Circuit Protection

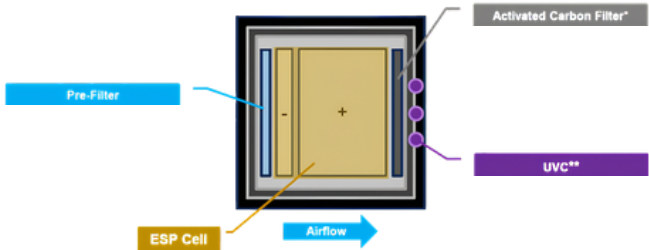
Advanced circuitry coupled with gravity-based particle collection. Particles are directed to a specialized tray, minimizing electrical short-circuits and significantly reducing cell maintenance requirements.



### Environmental Eco-System Protection

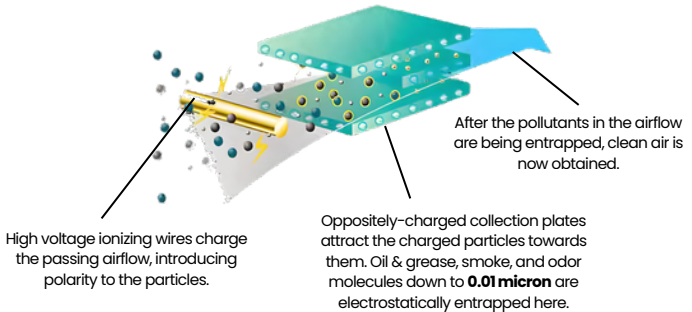
Leveraging state-of-the-art ESP technology to treat grease, smoke, and odors, making your operations "cleaner, greener, and healthier".

## How Does it Work?



Simplified for easy understanding

## Electrostatic Precipitator's Working Principle



## GLOBAL CERTIFICATIONS & COMPLIANCE

Recognized for superior safety and quality worldwide.

UL

FCC

ISO

SGS

TUV

CE

ASHRAE

## Why SCRUBBOX is Perfect

Air & Odor Management's (AOM) unwavering passion to make the world a cleaner place has put us on a relentless pursuit of delivering the best products through **improvisation, innovation, and research.**



# Technical Specifications

Model	SCRUBBOX-150	SCRUBBOX-200	SCRUBBOX-300
Airflow(CMH)	2,000 - 2,500	3,300 - 4,150	4,650 - 5,850
Dimension	491L x 425H x 610D	550L x 650H x 690D	530L x 650H x 930D
Weight(kg)	38	60	75
Pressure Loss	50 - 100 Pa		
Voltage	220-240 V; 50-60 Hz		
Power	66 W		88 W
Certification	UL, ASHRAE, ISO, SGS, TUV, CE, FCC		
Efficiency	Up to 98.7% (ASHRAE 52.1); 97.9% (ASHRAE 52.2); 95.0% (ISO 16890-2)		
Power Cut-Off	Whenever Door is Opened		
BMS Output	2; Power & Fault		
Cabinet	1.5 mm Powder-Coated Electro-Galvanized Steel		

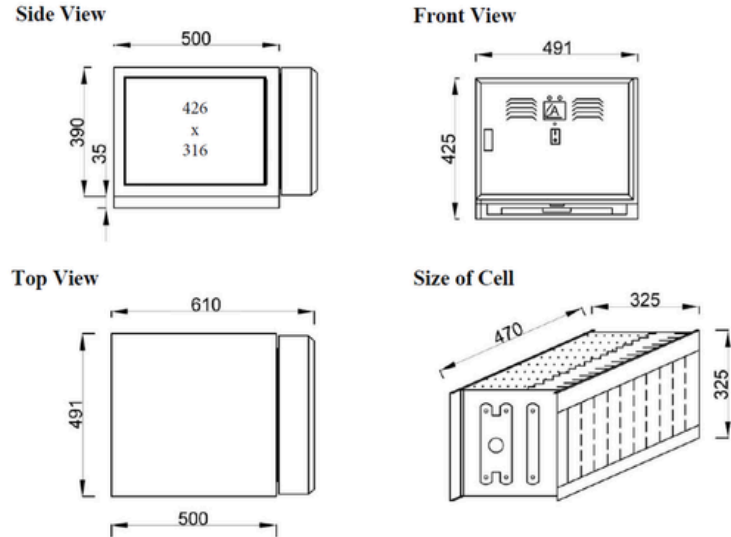
Model	SCRUBBOX-400	SCRUBBOX-600	SCRUBBOX-800
Airflow(CMH)	6,800 - 8,500	10,200 - 12,850	12,850 - 16,000
Dimension	550L x 650H x 1170D	550L x 650H x 1640D	550L x 650H x 2100D
Weight(kg)	90	120	160
Pressure Loss	50 - 100 Pa		
Voltage	220-240 V; 50/60 Hz		
Power	88 W	150 kW	
Certification	UL, ASHRAE, ISO, SGS, TUV, CE, FCC		
Efficiency	Up to 98.7% (ASHRAE 52.1); 97.9% (ASHRAE 52.2); 95.0% (ISO 16890-2)		
Power Cut-Off	Whenever Door is Opened		
BMS Output	2; Power & Fault		
Cabinet	1.5 mm Powder-Coated Electro-Galvanized Steel		

\* All SCRUBBOX models come with **Pre-filter, Electostatic Cell, and Integrated Oil Pan.**

\* UVC Emitter, Activated Carbon Filter and Rain Cover are optional.

# SCRUBBOX

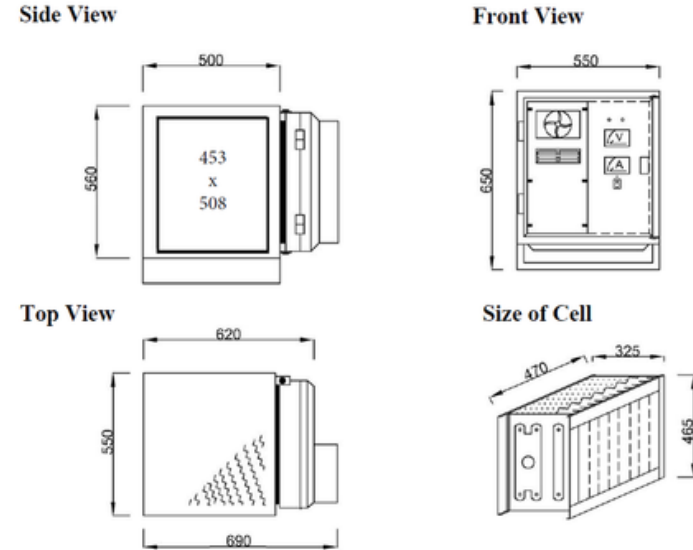
**PRODUCT** Electrostatic Precipitator (ESP)  
**MODEL** SCRUBBOX-150  
**DIMENSIONS** 425mm (H) x 491 mm (W) x 610 mm (D) / 38 kg



**AIR VOLUME** 2,000 - 2,500 CMH  
**SIZE OF TUYERE** 426 mm x 316 mm  
**SIZE OF E-CELL** 325 mm (H) x 325 mm (W) x 470 mm (D)  
**E-CELL QUANTITY** 1  
**HOUSING MATERIAL** Powder-Coated Galvanized Steel (2.0 mm)  
**E-CELL MATERIAL** Aluminium Alloy (1.0 mm)  
**INSULATION MATERIAL** Aluminium (II) Oxide  
**IONIZING WIRE QUANTITY** 7  
**IONIZING PLATE (HV) QUANTITY** 22  
**COLLECTION PLATE QUANTITY** 21  
**POWER SUPPLY** 220-240 V / 1P / 50-60Hz  
**POWER CONSUMPTION** 66W  
**POWER PACK VOLTAGE** High Voltage: 14,000 V; Low Voltage: 7,000 V  
**EFFICIENCY** Up to 98.7% (ASHRAE 52.1-1992)  
 Up to 97.9% (ASHRAE 52.2-2017)  
 Up to 95.0% (ISO 16890-2:2016)  
 Meets up to MERV 16  
**CERTIFICATION** CE, FCC, TUV, & SGS

# SCRUBBOX

**PRODUCT** Electrostatic Precipitator (ESP)  
**MODEL** SCRUBBOX- 200  
**DIMENSIONS** 650mm (H) x 550 mm (W) x 690 mm (D) / 60 kg

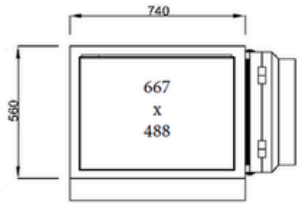


**AIR VOLUME** 3,300 - 4,150 CMH  
**SIZE OF TUYERE** 453 mm x 508 mm  
**SIZE OF E-CELL** 465mm (H) x 325 mm (W) x 470 mm (D)  
**E-CELL QUANTITY** 1  
**HOUSING MATERIAL** Powder-Coated Galvanized Steel (2.0 mm)  
**E-CELL MATERIAL** Aluminium Alloy (1.0 mm)  
**INSULATION MATERIAL** Aluminium (II) Oxide  
**IONIZING WIRE QUANTITY** 7  
**IONIZING PLATE (HV) QUANTITY** 22  
**COLLECTION PLATE QUANTITY** 21  
**POWER SUPPLY** 220-240 V / 1P / 50-60Hz  
**POWER CONSUMPTION** 66W  
**POWER PACK VOLTAGE** High Voltage: 14,000 V; Low Voltage: 7,000 V  
**EFFICIENCY** Up to 98.7% (ASHRAE 52.1-1992)  
 Up to 97.9% (ASHRAE 52.2-2017)  
 Up to 95.0% (ISO 16890-2:2016)  
 Meets up to MERV 16  
**CERTIFICATION** CE, FCC, TUV, & SGS

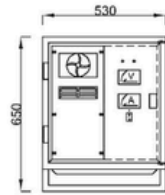
# SCRUBBOX

**PRODUCT** Electrostatic Precipitator (ESP)  
**MODEL** SCRUBBOX-300  
**DIMENSIONS** 650mm (H) x 530 mm (W) x 930 mm (D) / 75 kg

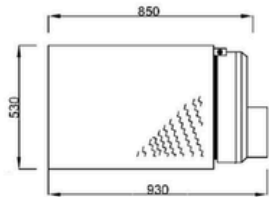
Side View



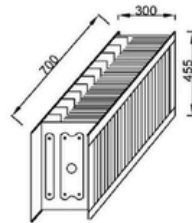
Front View



Top View



Size of Cell

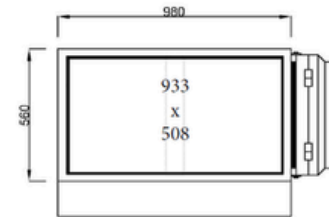


**AIR VOLUME** 4,650 – 5,850 CMH  
**SIZE OF TUYERE** 667 mm x 488 mm  
**SIZE OF E-CELL** 455 mm (H) x 300 mm (W) x 700 mm (D)  
**E-CELL QUANTITY** 1  
**HOUSING MATERIAL** Powder-Coated Galvanized Steel (2.0 mm)  
**E-CELL MATERIAL** Aluminium Alloy (1.0 mm)  
**INSULATION MATERIAL** Aluminium (II) Oxide  
**IONIZING WIRE QUANTITY** 12  
**IONIZING PLATE (HV) QUANTITY** 33  
**COLLECTION PLATE QUANTITY** 32  
**POWER SUPPLY** 220-240 V / 1P / 50-60Hz  
**POWER CONSUMPTION** 88W  
**POWER PACK VOLTAGE** High Voltage: 14,000 V; Low Voltage: 7,000 V  
**EFFICIENCY** Up to 98.7% (ASHRAE 52.1-1992)  
 Up to 97.9% (ASHRAE 52.2-2017)  
 Up to 95.0% (ISO 16890-2:2016)  
 Meets up to MERV 16  
**CERTIFICATION** CE, FCC, TUV, & SGS

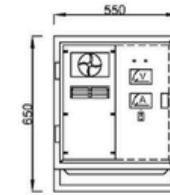
# SCRUBBOX

**PRODUCT** Electrostatic Precipitator (ESP)  
**MODEL** SCRUBBOX- 400  
**DIMENSIONS** 650mm (H) x 550 mm (W) x 1170mm (D) / 90 kg

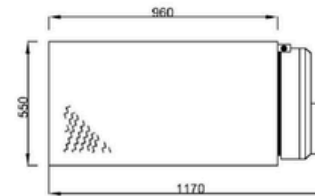
Side View



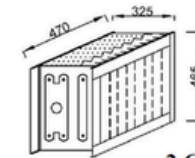
Front View



Top View



Size of Cell

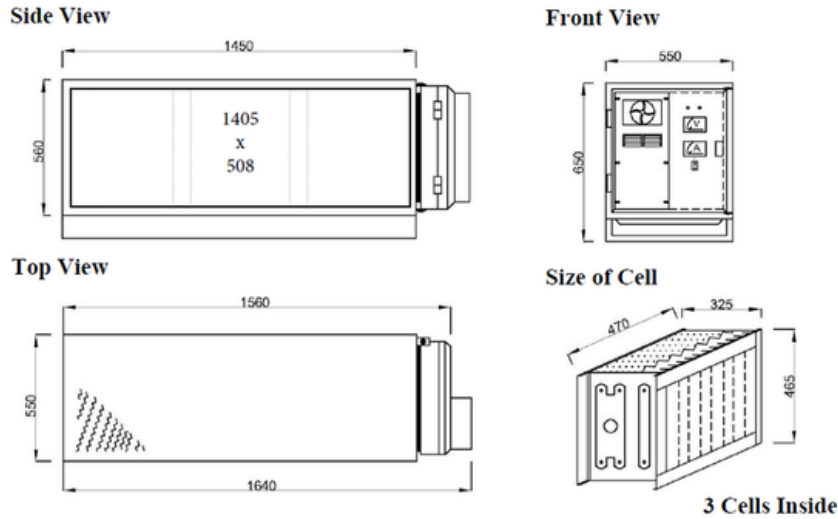


2 Cells Inside

**AIR VOLUME** 6,800 – 8,500 CMH  
**SIZE OF TUYERE** 933 mm x 508 mm  
**SIZE OF E-CELL** 465 mm (H) x 325 mm (W) x 470 mm (D)  
**E-CELL QUANTITY** 2  
**HOUSING MATERIAL** Powder-Coated Galvanized Steel (2.0 mm)  
**E-CELL MATERIAL** Aluminium Alloy (1.0 mm)  
**INSULATION MATERIAL** Aluminium (II) Oxide  
**IONIZING WIRE QUANTITY** 14  
**IONIZING PLATE (HV) QUANTITY** 44  
**COLLECTION PLATE QUANTITY** 42  
**POWER SUPPLY** 220-240 V / 1P / 50-60Hz  
**POWER CONSUMPTION** 88W  
**POWER PACK VOLTAGE** High Voltage: 14,000 V; Low Voltage: 7,000 V  
**EFFICIENCY** Up to 98.7% (ASHRAE 52.1-1992)  
 Up to 97.9% (ASHRAE 52.2-2017)  
 Up to 95.0% (ISO 16890-2:2016)  
 Meets up to MERV 16  
**CERTIFICATION** CE, FCC, TUV, & SGS

# SCRUBBOX

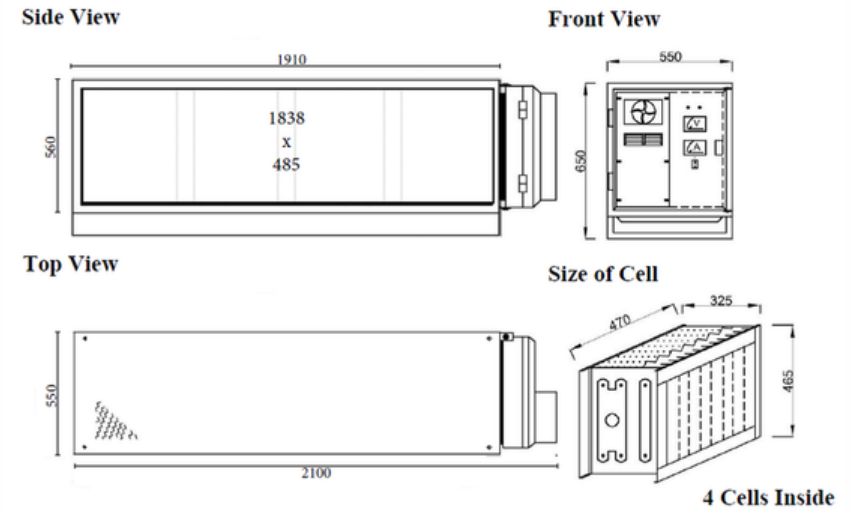
**PRODUCT** Electrostatic Precipitator (ESP)  
**MODEL** SCRUBBOX-600  
**DIMENSIONS** 650mm (H) x 550 mm (W) x 1640 mm (D) / 120 kg



**AIR VOLUME** 10,200 - 12,850 CMH  
**SIZE OF TUYERE** 1405 mm x 508 mm  
**SIZE OF E-CELL** 465 mm (H) x 325 mm (W) x 470 mm (D)  
**E-CELL QUANTITY** 3  
**HOUSING MATERIAL** Powder-Coated Galvanized Steel (2.0 mm)  
**E-CELL MATERIAL** Aluminium Alloy (1.0 mm)  
**INSULATION MATERIAL** Aluminium (II) Oxide  
**IONIZING WIRE QUANTITY** 21  
**IONIZING PLATE (HV) QUANTITY** 66  
**COLLECTION PLATE QUANTITY** 63  
**POWER SUPPLY** 220-240 V / 1P / 50-60Hz  
**POWER CONSUMPTION** 150W  
**POWER PACK VOLTAGE** High Voltage: 14,000 V; Low Voltage: 7,000 V  
**EFFICIENCY** Up to 98.7% (ASHRAE 52.1-1992)  
 Up to 97.9% (ASHRAE 52.2-2017)  
 Up to 95.0% (ISO 16890-2:2016)  
 Meets up to MERV 16  
**CERTIFICATION** CE, FCC, TUV, & SGS

# SCRUBBOX

**PRODUCT** Electrostatic Precipitator (ESP)  
**MODEL** SCRUBBOX- 800  
**DIMENSIONS** 650mm (H) x 550mm (W) x 2100 mm (D) / 160 kg



**AIR VOLUME** 12,850 - 16,000 CMH  
**SIZE OF TUYERE** 1838 mm x 485 mm  
**SIZE OF E-CELL** 465 mm (H) x 325 mm (W) x 470 mm (D)  
**E-CELL QUANTITY** 4  
**HOUSING MATERIAL** Powder-Coated Galvanized Steel (2.0 mm)  
**E-CELL MATERIAL** Aluminium Alloy (1.0 mm)  
**INSULATION MATERIAL** Aluminium (II) Oxide  
**IONIZING WIRE QUANTITY** 28  
**IONIZING PLATE (HV) QUANTITY** 88  
**COLLECTION PLATE QUANTITY** 84  
**POWER SUPPLY** 220-240 V / 1P / 50-60Hz  
**POWER CONSUMPTION** 150W  
**POWER PACK VOLTAGE** High Voltage: 15,000 V; Low Voltage: 7,500 V  
**EFFICIENCY** Up to 98.7% (ASHRAE 52.1-1992)  
 Up to 97.9% (ASHRAE 52.2-2017)  
 Up to 95.0% (ISO 16890-2:2016)  
 Meets up to MERV 16  
**CERTIFICATION** CE, FCC, TUV, & SGS