

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

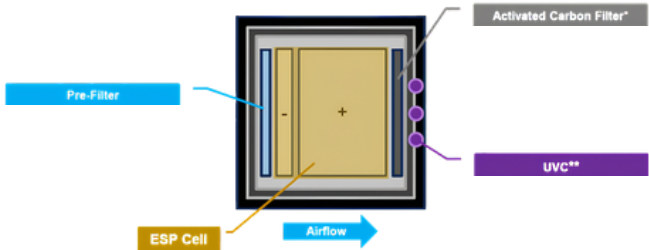
Advanced circuitry coupled with gravity-based particle collection. Particles are directed to a specialized tray, minimizing electrical short-circuits and significantly reducing cell maintenance requirements.



Environmental Eco-System Protection

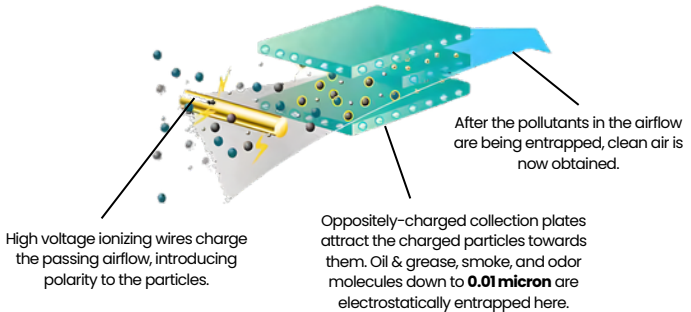
Leveraging state-of-the-art ESP technology to treat grease, smoke, and odors, making your operations "cleaner, greener, and healthier".

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 – 3,250	3,330 – 5,400	4650 – 7,600
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		

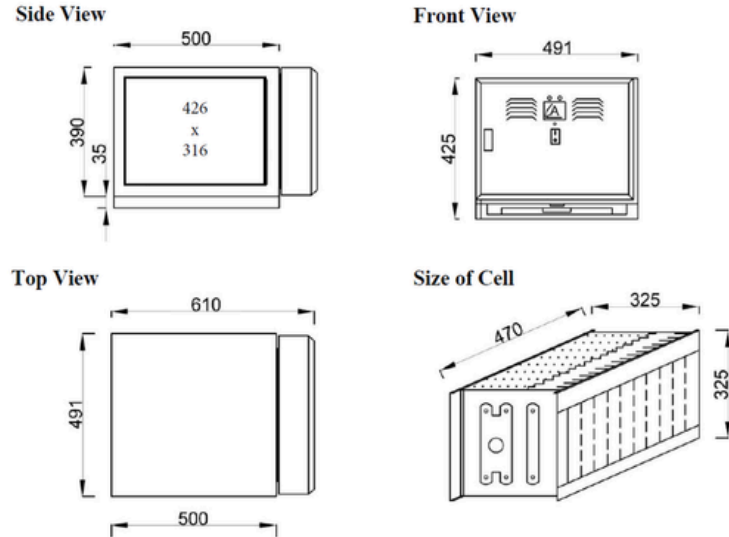
Model	SCRUBBOX-400	SCRUBBOX-600	SCRUBBOX-800
Airflow(CMH)	6,800 – 11,000	10,200 – 16,700	12,850 – 20,800
Dimension	550L x 650H x 1170D	550L x 650H x 1640D	550L x 650H x 2100D
Weight(kg)	90	120	160
Pressure Loss	50 – 100 Pa		
Voltage	220–240 V; 50/60 Hz		
Power	88 W	150 kW	
Certification	UL, ASHRAE, ISO, 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

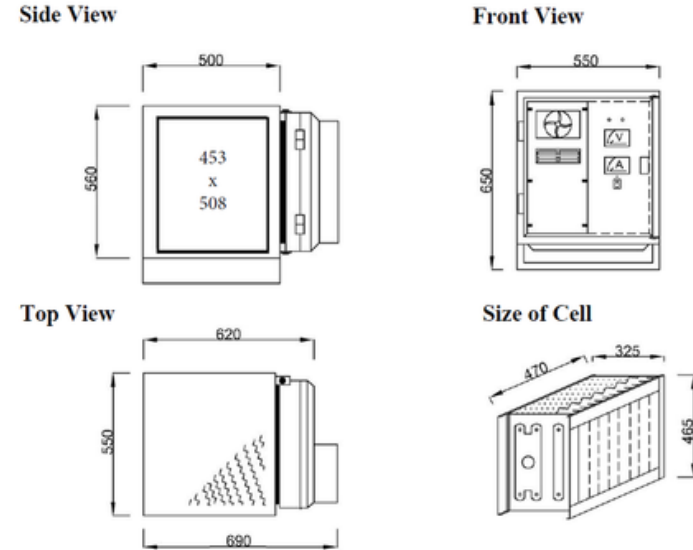
PRODUCT Electrostatic Precipitator (ESP)
MODEL SCRUBBOX-150
DIMENSIONS 425mm (H) x 491 mm (W) x 610 mm (D) / 38 kg



AIR VOLUME 2,000 – 3,250 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

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

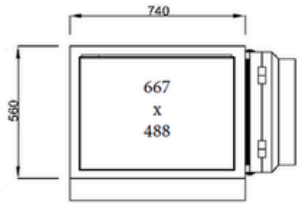


AIR VOLUME 3,330 – 5,400 CMH
SIZE OF TUYERE 453 mm x 508 mm
SIZE OF E-CELL 465mm (H) x 325 mm (W) x 470 mm (D)
E-CELL QUANTITY 1
HOUSING MATERIAL Powder-Coated Galvanized Steel (2.0 mm)
E-CELL MATERIAL Aluminium Alloy (1.0 mm)
INSULATION MATERIAL Aluminium (II) Oxide
IONIZING WIRE QUANTITY 7
IONIZING 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

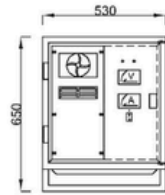
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PRODUCT Electrostatic Precipitator (ESP)
MODEL SCRUBBOX-300
DIMENSIONS 650mm (H) x 530 mm (W) x 930 mm (D) / 75 kg

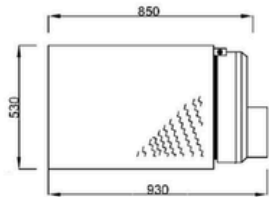
Side View



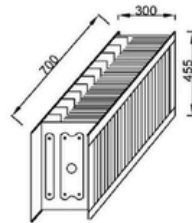
Front View



Top View



Size of Cell

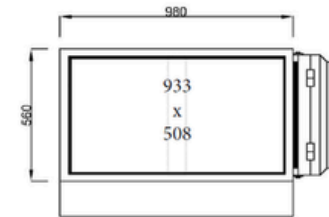


AIR VOLUME 4650 – 7,600 CMH
SIZE OF TUYERE 667 mm x 488 mm
SIZE OF E-CELL 455 mm (H) x 300 mm (W) x 700 mm (D)
E-CELL QUANTITY 1
HOUSING MATERIAL Powder-Coated Galvanized Steel (2.0 mm)
E-CELL MATERIAL Aluminium Alloy (1.0 mm)
INSULATION MATERIAL Aluminium (II) Oxide
IONIZING WIRE QUANTITY 12
IONIZING 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

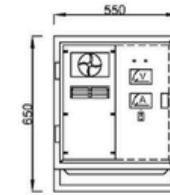
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PRODUCT Electrostatic Precipitator (ESP)
MODEL SCRUBBOX- 400
DIMENSIONS 650mm (H) x 550 mm (W) x 1170mm (D) / 90 kg

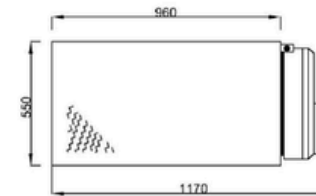
Side View



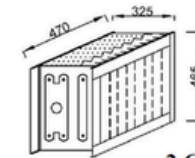
Front View



Top View



Size of Cell

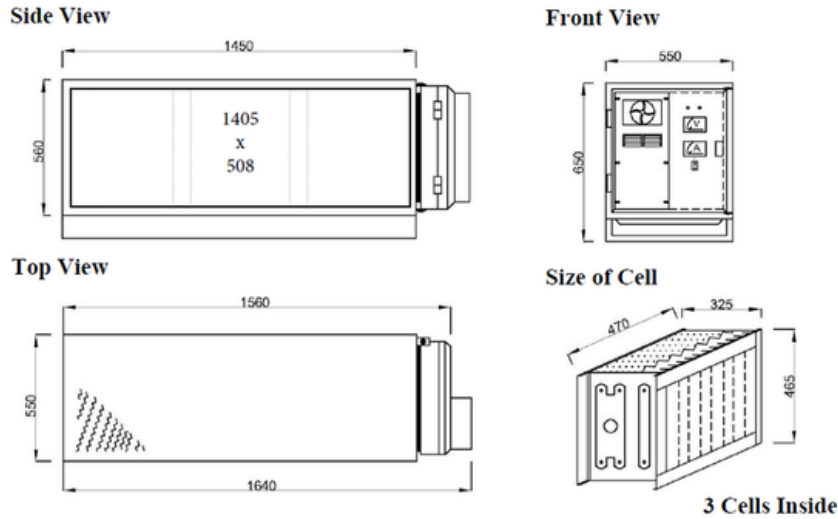


2 Cells Inside

AIR VOLUME 6,800 – 11,000 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

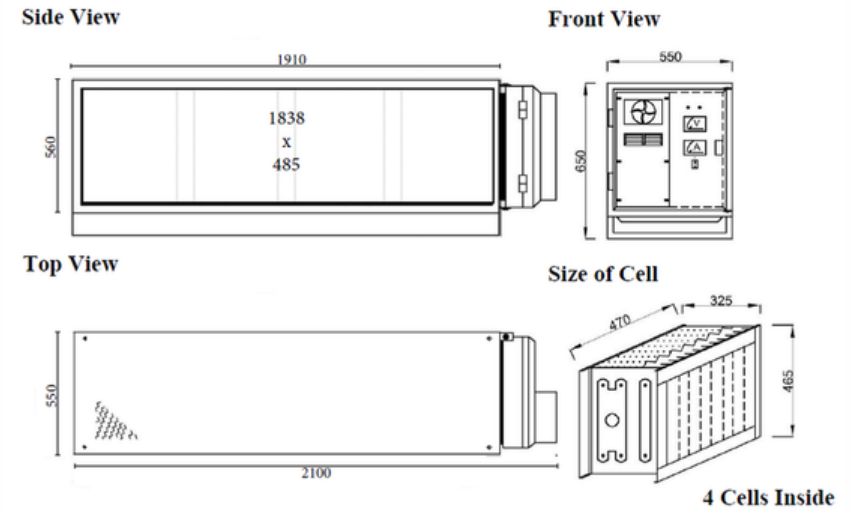
PRODUCT Electrostatic Precipitator (ESP)
MODEL SCRUBBOX-600
DIMENSIONS 650mm (H) x 550 mm (W) x 1640 mm (D) / 120 kg



AIR VOLUME 10,200 – 16,700 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 – 20,800 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