Mobile Fume Extractor



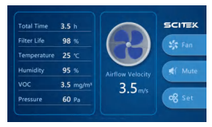
Description

The Mobile Fume Extractor is a versatile and portable device, which is designed to remove harmful fumes, dust, smoke, and airborne contaminants from the air in various work environments.

It is particularly popular in industries such as laboratories, welding and manufacturing where pollutants are generated during processes like welding, cutting or chemical handling.

Advantage

- Mobile type for easy installation and operation.
- Exterior with electro-galvanized steel with antimicrobial Powder Coating, anti-corrosion.
- With PSC blower, 24V electric current, stable performance, super quiet, no spark static electricity.
- Efficient filtration system, following ASTM standards, effective for acid gas and organic gas, strong adsorption capacity.
- With anti-electromagnetic interference power cord.



LCD Touch Screen

(Display VOC, Time, Temperature, Humidity, Pressure, Air Speed etc.)



Exhaust Arm

Aluminum alloy material, strong structure, the direction can be adjusted and fixed.

Specification

Model		MFE-240
External Size (W×D×H)		460×460×700mm
Connection Inner Diameter for Exhaust duct		90mm
Control System	Display and Alarm	5"LCD touch screen
		Real-time monitoring and display temperature, humidity, Air velocity, VOC concentration and with integrated alarm system.
Airflow System	Airflow Volume	240m3/h
Air filtration System	HEPA Filter	HEPA filter, ≥99.995% efficiency at 0.3μm
Cabinet Construction	Main Body	Electro-galvanized steel with antimicrobial Powder Coating, thickness ≥1.2mm
Electrical System	Blower	PSC blower, 24V electric current, stable performance, super quiet, no spark static electricity
	Electric Current	1.2A
	Consumption	30W
	Power Supply	220V±10%, 50HZ
Sound Emission		≤50dB(A)
Environment Temperature		-30℃~70℃
Standard Accessory		1.LCD Touch Screen; 2.HEPA filter; 3.Pre-filter; 4.Universal casters (Total 4pcs, 2pcs with locking function).
Optional Accessory		1.Active Carbon Filter; 2.BCGL OG Organic Gas Filter; 3.BCGL AG Acid Gas Filter.
Net Weight		67kg
Gross Weight		87kg
Shipping Size (W×D×H)		650×750×950mm
Shipping Volume		0.5 m³

FFU (Fan Filter Unit)





Description

FFU means Fan Filter Unit. It's equipped wit Pre-filter and HEPA filter. The blower sucks air from the top of the FFU and filters it through the pre-filter and HEPA filter. Then filtered clean air is uniformly exhausted across the entire air outlet surface. It is suitable for obtaining a high-level clean environment in various settings.

Advantage

- Split design for FFU shell and HEPA filter,easy to install and replace.
- Microprocessor centralized control, stable operation and energy-saving.
- With high-efficiency centrifugal blower, long service life, low noise, maintenance-free operation, small vibration, and step-less speed regulation. Working life up to 100,000 hours.
- Suitable for using separately or connecting together for assembly production line, or multiple units can be connected in series to form a 100-level assembly line.

Application

FFU is widely used in clean rooms, laminar flow cabinet, clean production lines, modular clean rooms and local Class 100 clean rooms and other application scenarios.

Specification

Model	FFU-600	FFU-1200	FFU-1200Pro
External Size (W×D×H) (mm)	575×575×250	1175×575×250	1175×1175×250
Air Velocity	0.45m/s±20%		
Air Volume (m³/h)	600~800	800~1200	1800~2200
Filter and Efficiency	1pcs Pre-filter 1pc H14 HEPA filter, ≥99.995% efficiency at 0.3μm		
HEPA Filter Size (W×D×H) (mm)	570×570×70	1170×570×70	1170×1170×70
Cleanliness Grade	Class 100 (ISO14644.1 Class 5)		
Sound Emission	≤60dB	≤60dB	≤65dB
Shell Material	Aluminium coated zinc plate, anti-corrosion and light weight		
Consumption	100W	120W	245W
Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz		
Standard Accessory	Pre-filterx1, HEPA filterx1, Blower.		
Net Weight (kg)	16	25	35
Gross Weight (kg)	25	35	55
Shipping Size (W×D×H) (mm)	800×800×500	1335×800×500	1335×1335×540
Shipping Volume (m³)	0.32	0.54	0.96