

Ductless Fume Hood, FMH-800DL



Description

Ductless fume hood is a ventilation device used in laboratory and industrial environments, providing a safe and efficient air filtration and exhaust system to protect operators and the environment from harmful gases and particles. Its main feature is that it does not require the installation of a duct system, allowing for flexible placement in any desired location. It utilizes chemical/HEPA filters and a fan system to effectively filter and remove harmful substances from the air, including toxic gases, chemicals, microorganisms, and particles.

Advantage

- Powerful filtration system can be configured with HEPA filters and chemical filters according to customer requirements, effectively filtering and removing harmful substances to ensure a safe operating environment and protect personnel from harm.
- Easy to operate, equipped with a 7-inch LCD color touchscreen, it displays real-time parameters such as air velocity, VOC concentration, temperature and humidity, and filter lifetime. This achieves excellent human-machine interaction.
- Humanized design, three-sided acrylic transparent material observation window, convenient for multi-angle observation.
- Low noise design, using high-quality DC centrifugal blower to ensure performance while providing users with a quiet working environment.

Specifications

Model	FMH-800DL
External size (WxDxH) (mm)	800x620x1850mm (2PC filter)
Operation area size (WxDxH) (mm)	780x540x775mm
Operation surface Height	690mm
Max. opening	650mm
Range of Air-velocity	0.4-0.6m/s
Power consumption	60W
Screen	7-inch color touch screen
Blower	DC Centrifugal blower, Adjustable speed
Front window	Manual acrylic window
Chemical filter	2 pcs
Standard	LED lamp, Base stand,
Optional	UV lamp, HEPA filter, Cabinet base stand, Water tap, Gas tap

Fume Hood



Description

FMH series ductless fume hood is a kind of negative pressure ventilation system for protecting operator and laboratory, utilizes carbon filtration to protect laboratory personnel from toxic chemical fumes, odors, and particles. Known for its plug-and-play feature and mobility, ductless fume hood guarantees a hassle-free installation and no lab work interruption.



Control Panel



Waterproof socket



Bonded Carbon Filter



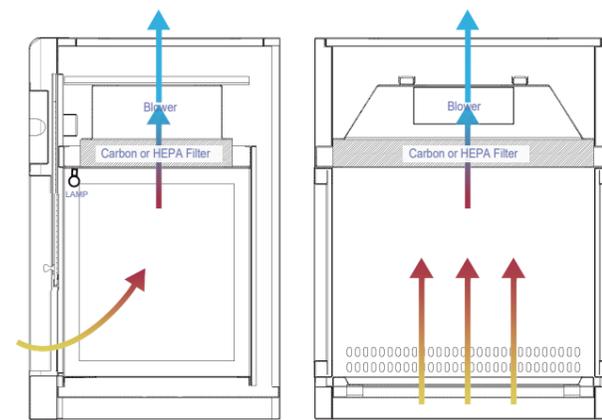
UV lamp



Work surface

Humanized Features

- Ergonomic Control Panel Location, centered and angled down for an easy reach & viewing.
- Made of solid psychological board, resistant to strong acid and alkali
- The non-direct light source design can effectively relieve the operator's visual fatigue under the condition of ensuring the illumination
- Intuitive and easy-to-use microprocessor controller with LCD display, graphical and digital display of the operating status of each function, such as filter life, UV life etc.



Convenience Features

- Memory function in case of power-failure.
- Filter and UV life indicators facilitate a timely replacement plan.
- Two side glass windows installed for easy experiment observation.
- Equipped with temperature sensor to show the real temperature during operation.
- Waterproof socket provide convenience for small instruments to be used in the operating area.

Safety Features

- Front sliding sash interlock with fan and UV lamp.
- UV sterilization with UV lamp timing function.
- Front sash and side windows are made of UV-resistant tempered glass.
- The host and sockets have independent capacitors to prevent current overload.
- Memory function in case of power-failure.



Specifications

Model	FMH-1000D	FMH-1200D	FMH-1500D	FMH-1800D
External Size(W*D*H)(mm)	1000x840x2150	1220x840x2150	1525x840x2150	1830x840x2150
Internal Size(W*D*H)(mm)	880x730x745	1100x730x745	1405x730x745	1710x730x745
Control System	Microprocessor controller with LCD display, graphical and digital display of the operating status of each function.			
Maximum Opening	520mm			
Work Surface Height	750mm			
Airflow Velocity	Adjustable, 0.3-0.8 m/s			
Filter	Active Carbon Filter			
Sound Emission	≤68dB(A)			
Fluorescent Lamp	LED type, Intensity ≥900Lx			
UV Lamp	With timing function, Interlock with front sliding sash. Emission of 253.7 nanometers for best sterilization effect.			
Power Consumption	400W	500W	500W	500W
Cabinet Construction	Main Body: Electro-galvanized steel with antimicrobial powder coating Work Table: Solid psychological board, resistant to strong acid and alkali Manual Sliding Sash: 5 mm UV resistant tempered glass with counter-balance system and ergonomic handle Side Windows: 5 mm UV resistant tempered glass			
Electricity	AC220V ±10%, 50/60Hz,1P			
Standard Accessories	Base stand; LED lamp; UV lamp; Waterproof socket; Water Tap, Gas Tap, Water Sink; Exhaust Duct-4 meters; Active Carbon Filter			
Optional Accessories	Base Cabinet			
Shipping Weight(Kg)	250	280	330	390
Shipping Size(D*W*H)(mm)	1140x1100x1635	1360x1100x1635	1665x1100x1635	1970x1100x1635
Shipping Volume (m³)	2	2.5	3.1	3.6

Ducted Fume Hood

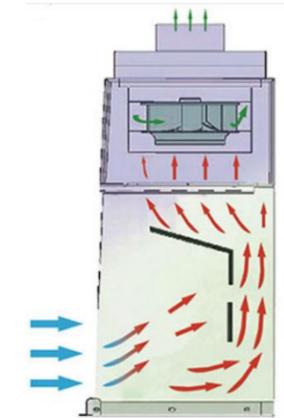


Description

FMH (A) series Fume Hood is designed as a negative pressure ventilation system that ensures the safety of operators and the laboratory environment. It works by drawing room air inward through the front opening of the hood and continuously ventilating it with an extraction blower. This prevents the spread of contaminated fumes, vapors, toxic gases, aerosols, and corrosive substances that may be generated during experiments. Furthermore, an optional active carbon filter can purify the polluted air before it is exhausted through the duct, thereby protecting the outdoor environment as well.

Humanized Features

- 1. UV lamp for sterilization.
- 2. Resistant to weak acid and alkali.
- 3. Adjustable air speed: 9 levels
- 4. Motorized front window, height adjustable.
- 5. Microprocessor control system, LED display.
- 6. With memory function in case of power-failure.



Specifications

Model	FMH-1000DA	FMH-1200DA	FMH-1500DA	FMH-1800A
External Size (WxDxH)	1040x800x2200mm	1240x800x2200mm	1540x800x2200mm	1840x800x2200mm
Internal Size (WxDxH)	820x670x730mm	1020x670x730mm	1320x670x730mm	1620x670x730mm
Work Surface Height	850mm			
Max Opening	520mm			
Air Velocity	0.3~0.8m/s			
Sound Emission	≤68dB			
Exhaust Duct	PVC, Standard length: 4 meters. Φ300mm			
LED Lamp	8Wx1	12Wx1	16Wx1	12Wx1
UV Lamp	Emission of 253.7 nanometers for most efficient decontamination			
Blower	Built-in centrifugal blower; Speed adjustable.			
Front Window	5mm toughened glass; Motorized; Height adjustable.			
Power Supply	AC220±10%, 50/60Hz; 110V±10%, 60Hz			
Consumption	400W	400W	500W	500W
Material	Exterior	Cold-rolled steel with anti-bacteria powder coating.		
	Interior	Compact laminate board with good acid and alkali resistance function		
	Work Table	Chemical resistant phenolic resin		
Standard Accessories	UV lampx2, LED lamp, Water tap, Gas tap, Water sink, Base cabinet			
	Total load of 2 waterproof sockets: 500W			
	4.3 meters PVC exhaust duct, pipe strapx2			
Optional Accessories	Active carbon filter /HEPA filter			
Gross Weight	286kg	317kg	350kg	400kg
Shipping Size (WxDxH)	Main Body	1190x990x1690 mm	1390x990x1690 mm	1690x990x1690 mm
	Base Cabinet	1190x990x900mm	1390x990x900mm	1690x990x900mm
Shipping Volume	3.1m3	3.6m3	4.3m3	5.1m3



LED Display



Waterproof Socket



Water & Gas Remote Control



Work table (Chemical resistant phenolic resin)

Fume Hood, Benchtop model



Advantage

- Microprocessor control system, LED Display.
- HEPA filter with efficiency: 99.995% at 0.3um.
- Manual front window is 5mm toughened glass, anti-oxidation.
- Air speed adjustable.
- Desktop type, with a handle, saving space and easy to move.
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- Pre-filter is polyester fiber, washable and anti-ultraviolet radiation.

- Automatic cutting off UV lamp function by opening glass.
- FMH-500II have color screen LCD controller (with sterilization timing, built-in socket controllable switch , front window status display, can set three position interlock , cumulative work timing, remote control.

Specifications

Model	FMH-500 FMH-500II
Applicable Scope	Protect operator and environment
Airflow Direction	Vertical
Cleanliness	Class 100
High Efficiency Filter	0.3um partical ≥ 99.999%
Colony count	≤0.5pcs/vessel ( petri dish is φ 90mm )
Wind Speed	>0.5 ( m/s )
Air Velocity Range	0.2-0.6 (m/s)
Noise Level	≤62db
Vibration Semi-peak Value	≤3um
Work Surface Bearing	10kg
Inner Chamber	SUS304 Stainless steel plate
Outer Shell	Cold rolling steel electrostatic spraying exterior
Operation Door	Tempered Glass
Max Door Opening	310mm
Pre-Filter	Polyurethane
LED Lamp	8Wx1
UV Lamp	8Wx1
Top Fan	90W one piece
Display	LED (Model II: LCD color screen)
Air Velocity Control	Intelligent multi-level adjustable
Additional Function	One key to open and close lighting sterilization
Internal Size ( WxDxH ) (mm)	480x340x370
External Size ( WxDxH ) (mm)	550x460x700
Shipping Size ( WxDxH ) (mm)	680x590x850
Max Power	110W
Current Rating (50/60Hz)	AC220V/0.5A
NW/GW kg	36/41
Optional Accessories	Air Velocity sensor