



Ductless Fume Hood LDFH-100 Series



LDFH-101 to 104



LDFH-105 to 108

Ductless Fume Hood LDFH-100 Series

Labocon Ductless Fume Hood LDFH-100 Series are duct less self-contained, filtered laboratory enclosures that remove hazardous fumes, vapours and particles from the laboratory. Designed to control exposure to toxic and flammable gases and aerosols and inhalation of hazardous vapours. It is ergonomically designed series with an inbuilt filter to remove hazardous vapours, which makes it a mobile and easy to install.

Features:

LDFH-101 to LDFH-104

- Cold-rolled steel with anti-bacteria powder coated exteriors
- Chemical resistant, phenolic resin working table
- 10° Slope front ergonomics design, fatigue-free working posture
- Transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment.
- 5 mm motorized, anti-UV toughened glass
- UV Lamp for sterilization
- Resistant to weak acid and alkali
- Built-in centrifugal blower; with adjustable Air speed up to 9 levels
- Back side air compensation, to avoid turbulence in work area
- Microprocessor control system, LED display shows filter working time
- Memory function in case of power failure
- Filter life: 3500 hours
- Alarm when filter working life is over

LDFH-105 to LDFH-108

- Double-layer structure: 1mm sheet metal surface; High grade melamine board with good acid and alkali resistant function interior; Chemical resistant phenolic resin work table
- 8°C slope front ergonomics design, fatigue-free working posture
- Three side transparent Acrylic windows, front window reversal design, easy to operate
- Easy to operate LCD Touch screen control panel
- Temperature and humidity sensors, can detect indoor temperature and humidity
- Electronic control system
- Memory function in case of power-failure
- Anti-overload, anti-electric shock, stable performance with long service life
- Internal and external probe, detects indoor air pollution and filter conditions.
- Audible and visual alarm for changing filter.

Standard Accessory: LDFH-101 to LDFH-104

- Water tap – 1pc
- Gas tap – 1pc
- Water sink – 1pc
- Base stand – 1pc
- UV lamp – 2pc
- Waterproof sockets – 2pc
- 4 meters PVC exhaust duct – 1pc
- Active Carbon Filter – 1pc
- Foot switch – 1pc

Standard Accessory: LDFH-105 to LDFH-108

- Base Cabinet – 1pc
- Waterproof sockets – 2pc
- Explosion proof Fluorescent lamp – 1pc
- Chemical Filter – 1pc

Optional Accessory: LDFH-105 to LDFH-108

- Water tap – 1pc
- Gas tap – 1pc
- Water sink – 1pc
- UV lamp – 1pc
- Electric Height adjustable Base stand
- HEPA Filter – 1pc

Application:

Labocon Ductless Fume Hood is widely used in biological laboratories including microbiology, cell culture, and pharmacy and research areas to protect the lab environment and the operator during general chemical applications.

It actively protects operator from inhaling toxic vapours and dramatically reduces the risk of fire and explosion.

It provides maximum safety and clean air. By installing proper filter, it can also protect environment.

Technical Specifications:

Model No.	LDFH-101	LDFH-102	LDFH-103	LDFH-104
External Size (WxDxH) mm	1000x840x2150	1200x840x2150	1500x840x2150	1800x840x2150
Internal Size (WxDxH)	880x730x745	1080x730x745	1380x730x745	1680x730x745
Work Surface Height	750mm			
Max Opening	520mm			
Air Velocity	0.3~0.8m/s			
Noise	≤60dB			
LED Lamp	8Wx1	12Wx2	16Wx2	16Wx2
UV Lamp	Emission of 253.7 nm for most efficient decontamination			
Blower	Built-in Centrifugal blower, Speed adjustable with 9 levels			
Front Window	Motorized, anti UV 5mm toughened glass			
Power Supply	AC220V±10%, 50/60Hz ; 110V±10%, 60Hz			
Power Consumption	400W		500W	
Material	Main Body	Cold Rolled Steel with anti-bacterial powder coating		
	Work Table	Chemical resistant phenolic resin		

Gross Weight	230kg	253kg	290kg	340kg
Packing Size (WxDxH) mm	1150x1120x1680	1350x1120x1680	1650x1120x1680	1950x1120x1680

Model No.	LDFH-105	LDFH-106	LDFH-107	LDFH-108
External Size (WxDxH) mm	1000x840x2140	1200x800x2140	1500x800x2140	1800x800x2140
Internal Size (WxDxH)	910x690x705	1110x690x705	1410x690x705	1710x690x705
Work Surface Height	900mm			
Max Opening	650mm			
Air Velocity	0.3~0.6m/s			
Air Flow Volume	220 m ³ /h		440 m ³ /h	
Noise	≤55dB			
Fluorescent Lamp	11Wx1	11Wx2	11Wx3	11Wx4
UV Lamp	Emission of 253.7 nm for most efficient decontamination			
Blower	Built-in Centrifugal blower, Speed adjustable.			
Front Window	Acrylic window, Manual, reversal design			
Power Supply	AC220V±10%, 50/60Hz ; 110V±10%, 60Hz			
Power Consumption	400W	400W	500W	500W

Material	Exterior	Cold Rolled Steel with anti-bacterial powder coating			
	Interior	High grade melamine board with good acid and alkali resistant function			
	Work Table	Chemical resistant phenolic resin			
Gross Weight		240kg	270kg	320kg	350kg
Packing Size (WxDxH) mm	Main Body	1120x920x1540	1320x920x1540	1620x920x1540	1920x920x1540
	Base Cabinet	1120x920x1040	1320x920x1040	1620x920x1040	1920x920x1040

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