Vertical Laminar Flow Cabinet



Description

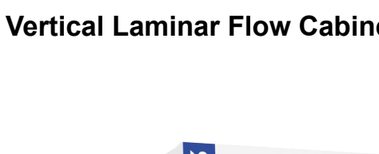
Vertical Laminar Flow Cabinet provides sample protection as purified air travels across the working zone of the cabinet in a vertical, unidirectional stream and leaves the main work chamber across the entire open front of the cabinet.

Application

Microbiology (non-pathogenic)

Forensics

Sterile product compounding



LCD Display
(Real-time show the Airflow Velocity,Time, Temperature,UV life and Filter life etc.)

Waterproof Socket (IP54)



UV Lamp
(Emission of 253.7 nanometers for most efficient decontamination)



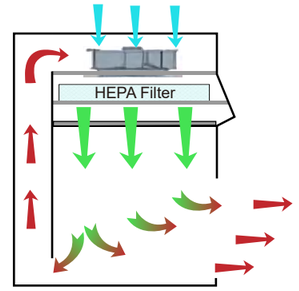
Base Stand (Optional)



Advantage

- LCD display,Microprocessor control system.
- Air speed adjustable, HEPA filter and sterilization lamp replacement reminder function.
- HEPA filter with efficiency: 99.995% at 0.3um.
- Pre-filter is polyester fiber, washable and anti-oxidation.
- UV sterilization system.
- With memory function in case of power-failure.
- Interlock function: UV lamp only can be switched on when the front window is closed, ensuring operator safety.
- UV timer: When the setting time expires, the UV lamp automatically switches off in preparation for the next experiment.

Airflow Pattern



Specification

Model		LCB-V800
External Size (W×D×H)		710×680×1050mm (Without Base Stand) 710×680×1680mm (With Base Stand)
Internal Size (W×D×H)		610×590×625mm
Work Surface Height		750mm
Control System	Display	Microprocessor controller with LCD display, display the operating status of each function
	Interlock	Front sliding sash interlock with fan and UV lamp
	Life Indicator	HEPA filter and UV life indicators facilitate a timely replacement plan
Airflow System	Airflow Velocity	0.2~0.5m/s，Speed adjustable
Air Filtration System	Pre-Filter	1pcs, Polyester fiber,washable
	HEPA Filter	1 pcs, Efficiency: > 99.995% at particle size of 0.3μm
	Cleanliness Grade	ISO Class 5 (formerly Class 100)
	Partial Air Circulation	Perforations at the back wall of the work zone which are designed to eliminate air turbulence and the possibility of dead air corners in the work zone.
Cabinet Construction	Main Body	Electro-Galvanized steel with antimicrobial powder coating
	Work Surface	304 Stainless steel, an angled front, rounded work surface front edge
	Front Window	Manual sliding sash: 5 mm UV resistant tempered glass with counter-balance system and ergonomic handle
	Side Window	5 mm UV resistant tempered glass
Electrical System	UV Lamp	8W×1
		With timing function from 0 to 999 minutes
		Interlock with front sliding sash.
		Emission of 253.7 nanometers for best sterilization effect.
	LED Lamp	8W×1
	Consumption	160W (Not include socket loading power consumption)
	Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz
Illumination		≥500Lux
Sound Emission		≤62dB(A)
Standard Accessory		1.LED Lamp×1; 2.UV Lamp×1; 3.Waterproof Socket×1; 4. Air Velocity Sensor.
Optional Accessory		1.Base stand; 2.Gas Tap
Net Weight		80kg (Without base stand), 130kg (With base stand)
Gross Weight		115kg (Without base stand), 165kg (With base stand)
Shipping Size (W×D×H)		920×855×1190mm
Shipping Volume		0.94m³