SCITEK

Laminar Flow Cabinet, Vertical type

CE

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.
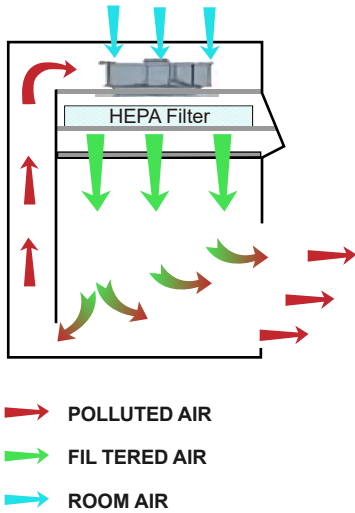
Application

Microbiology (non-pathogenic)

Forensics

Sterile product compounding

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

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

HEPA Filter

→ POLLUTED AIR

→ FIL TERED AIR

→ ROOM AIR

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	
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	