LAF Cabinet /Clean Bench/Tissue Culture Cabinet

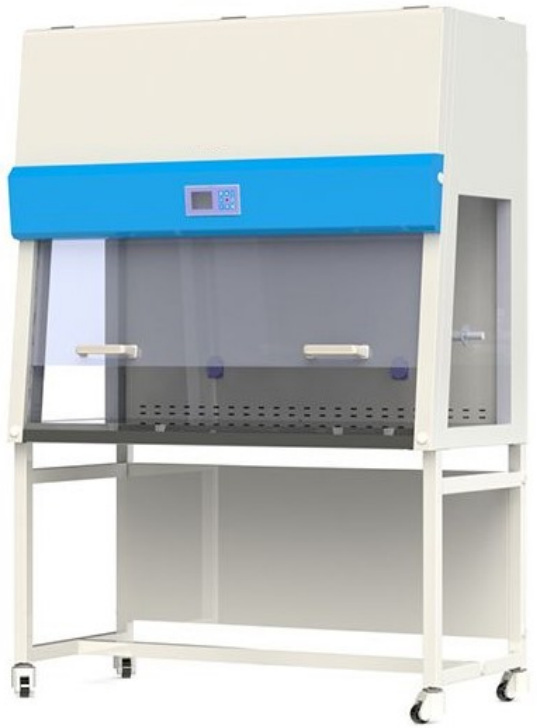
Description

Vertical Laminar Flow Hood / Cabinet (also called clean bench) 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.

Most vertical Laminar Flow Hood also have 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.

Applications

- Microbiology (non-pathogenic)
- Forensics
- Sterile product compounding



Humanized Features

- Ergonomic Control Panel Location, centered and angled down for an easy reach & viewing
- Brushed stainless steel work surface is for easy cleaning
- 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
- HEPA filter and UV life indicators facilitate a timely replacement plan
- Two side glass windows installed for easy experiment observation
- Easy-to-change pre-filter installed could extend the HEPA filter's lifetime
- Equipped with temperature sensor to show the real temperature during operation

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
- Waterproof socket provide convenience for small instruments to be used in the operating area

Technical Specifications (Vertical)

Model	LCB-V3F	LCB-V4F	LCB-V5F	LCB-V6F
External Dimensions (W*D*H}mm)	1050*708*1850	1320*708*1850	1625*708*1850	1930*708*1850
Internal Dimensions (W*D*H) mm	950*615*625	1220*615*625	1525*615*625	1830*615*625
Control System	Microprocessor controller with LCD display, graphical and digital display of the operating status of each function.			
Work Surface Height	750mm			
Airflow Velocity	Adjustable, 0.2~0.5 m/s			
HEPA Filter Efficiency	> 99.995% at particle size of 0.3 μm			
Pre-Filter	1 pc., made of washable polyester fiber			
Sound Emission	≤62dB(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	155W	285W	285W	300W
	Doesn't include external device connected via power socket			
Cabinet Construction	Main Body: Electro-galvanized steel with antimicrobial Powder Coating Work Zone: Stainless steel, grade 304 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*2 (only 1 for LCB-V3F); Foma casters			
Optional Accessories	Wind speed sensor, Gas tap, Water tap, Casters with brakes; Pipette stand, Hook and hook bar			
Shipping Weight (kg)	225	255	285	330
Shipping Dimensions (L*W*H) (mm)	1190*990*1325	1460*990*1325	1765*990*1325	2070*990*1325
Shipping Volume (m^3)	1.56	1.92	2.3	2.7

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