

Infitek

LAMINAR FLOW CABINET

Energy-efficient EC technology
HEPA filter (ISO Class 5 work-zone)
Antimicrobial powder coating



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Infitek Co., Ltd.

TEL: +86-531-88982330

FAX: +86-531-88983691

Website: infitek.com

Email: info@infitek.com

Service: support@infitek.com

Address: Room 201, Building A, No.1 Qianwan 1st Road, Qianhai
Shenzhen-Hong Kong Cooperation Zone, Shenzhen (Settled in
Shenzhen Qianhai Business Secretary Co., Ltd.)

US Office

INFITEK INC.

522W RIVERSIDE AVE STE N,SPOKANE,WA 99201

EMAIL: INFO@INFITEK.COM



Laminar Flow Cabinet, Vertical type

LCB-V800J LCB-V1400J



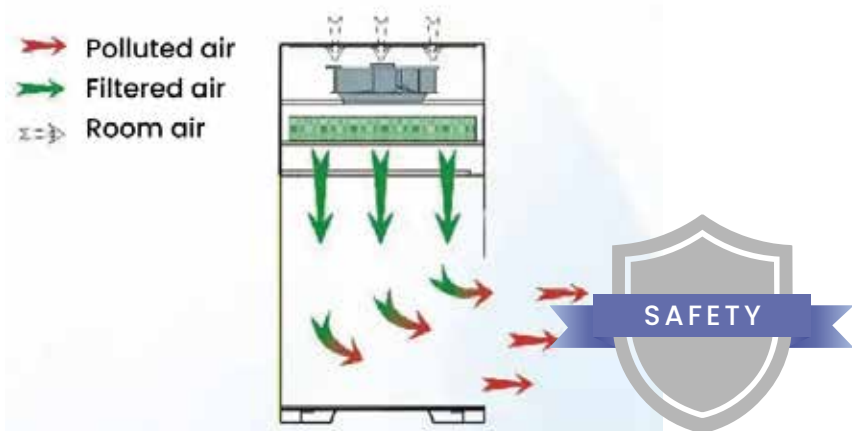
LCB-V800J



LCB-V1400J

Features

- With reasonable and safe structure design
- Cleanliness level : ISO Class 5 (Class 100)
- Intelligent LCD displays system parameters



Description

- High-Quality&Ergonomic Construction**
 - ✓ 10°inclined operation surface, quasi-closed countertop with stepped design on the front
 - ✓ The outer box adopts the cold-rolled steel plate spraying process.
 - ✓ Adopt high-quality centrifugal fan, effectively prolong the service life of filter
- Energy-efficient**
 - ✓ Adopt high-efficiency filter, energy saving and environmental protection
 - ✓ Intelligent LCD displays system parameters
 - ✓ Touch-type buttons to adjust various parameter settings
- Quiet Operation**
 - ✓ Comfortable low noised ≤65dBA
 - ✓ Reduce fatigue and improve work concentration
- Safety Protection & Structural Design**
 - ✓ Interlocking protection design, the UV lamp and the lighting lamp are interlocked
 - ✓ Double side perspective window design with good lighting effect
 - ✓ Reasonable structural design, which makes maintenance and replacement of high efficiency filters and fans more convenient and fast.

Specifications

Model	LCB-V1400J	LCB-V800J
Airflow mode	Vertical air supply	
Cleanliness level	ISO Class 5 (Class 100)	
Colony amount	≤0.5 pcs/dish/h (φ90mm culture dish)	
Downflow velocity	0.25-0.6m/s (adjustable)	
Sound emission	≤65dBA	
Illuminance	≥300LX	
Vibration half-peak value	≤3μm (X.Y.Z direction)	
Electricity	AC220V±10%,50/60Hz	
Max. power consumption	500W	350W
Net weight	120kg	85kg
Work area dimensions	1400*580*520mm	800*580*520mm
External dimensions	1500*695*1650mm	900*695*1650mm
Applicable number of people	Double-person and single surface	Single-person and single surface
G.W.(kg)	220kg	147kg
Package Dimension (W*D*H) (mm)	1600*790*1800mm	970*770*1790mm

Laminar Flow Cabinet, Horizontal type

LCB-H800J LCB-H1600J



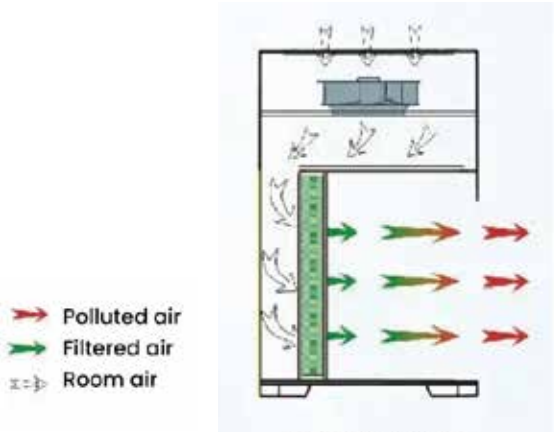
LCB-H800J



LCB-H1600J

Features

- With reasonable and safe structure design
- Adopts aluminum frame high-efficiency filter
- High-quality stainless steel, corrosion-resistant, easy-to-clear work surface



Description

Horizontal laminar flow cabinet provides a sterile work zone through filtered air that travels in a horizontal, unidirectional stream and leads work chamber across the entire open front of the cabinet.

SAFETY

Description

- High-Quality&Ergonomic Construction**
 - ✓ Open countertop, 10° inclined operation surface.
 - ✓ The outer box adopts the cold-rolled steel plate spraying process.
 - ✓ The appearance is finely sprayed, which can effectively inhibit the growth of bacteria on the surface of the cabinet.
- Energy-efficient**
 - ✓ Adopts aluminum frame high-efficiency filter without partition, and the filtration efficiency is 99.995% ($\geq 0.3\mu\text{m}$ particles)
 - ✓ Intelligent large screen displays system parameters
 - ✓ Touch-type buttons to adjust various parameter settings
- Quiet Operation**
 - ✓ Comfortable low noise $\leq 65\text{dBA}$
 - ✓ Reduce fatigue and improve work concentration
- Safety Protection & Structural Design**
 - ✓ Interlocking protection design, the UV lamp and the lighting lamp are interlocked
 - ✓ Double side perspective window design
 - ✓ Reasonable structural design, which makes maintenance and replacement of high efficiency filters and fans more convenient and fast.

Specifications

Model	LCB-H800J	LCB-H1600J
Airflow mode	Horizontal air supply	
Cleanliness level	ISO Class 5 (Class 100)	
Colony amount	≤ 0.5 pcs/dish/h ($\phi 90\text{mm}$ culture dish)	
Downflow velocity	0.2-0.5m/s (adjustable)	0.25-0.6m/s (adjustable)
Sound emission	$\leq 65\text{dBA}$	
Illuminance	$\geq 300\text{LX}$	
Vibration half-peak value	$\leq 5\mu\text{m}$ (X.Y.Z direction)	
Electricity	AC220V $\pm 10\%$, 50/60Hz	
Net weight	80kg	130kg
Work area dimensions	800*520*620mm	1600*520*620mm
External dimensions	900*750*1700mm	1700*750*1700mm
Applicable number of people	Single person operation	Single person operation

Laminar Flow Cabinet, Vertical type

LCB-V3F LCB-V4F LCB-V5F LCB-V6F



controller with LCD display



HEPA filter



Brushed stainless steel work surface



Waterproof socket



UV lamp

Specifications

Model		LCB-V3F	LCB-V4F	LCB-V5F	LCB-V6F
External Dimensions(W*D*H)(mm)		1050*710*1850	1320*710*1850	1625*710*1850	1930*710*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			
	Dimensions(W*D*H)(mm)	895*470*70	1190*470*70	1505*470*70	895*470*70
	Quantity	1pc			2pcs
Pre-Filter	Material	made of washable polyester fiber			
	Dimensions(W*D*H)(mm)	500*425*2	800*425*2	800*425*2	1000*425*2
	Quantity	1pc			
Sound Emission		≤62dB(A)			
Lighting lamp		6.5W*1	9.6W*1	9.6W*1	6.5W*2
		LED Type, Intensity ≥900Lx			
UV Lamp		20W*1	30W*1	30W*1	20W*2
		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*1;			
		LED lamp*1(only 2 for LCB-V6F);			
		UV lamp*1(only 2 for LCB-V6F);			
		Waterproof socket*2			
		Foma casters*4			
Optional Accessories		Wind speed sensor; Gas tap;Water tap;Casters with brakes Hook and hook bar			
Shipping Weight (kg)		225	255	285	330
Package Dimension (W*D*H)(mm)		1010*1190*1420	1640*1000*1340	1770*990*1330	2070*990*1325
Shipping Volume (m3)		1.56	1.92	2.33	2.7



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.

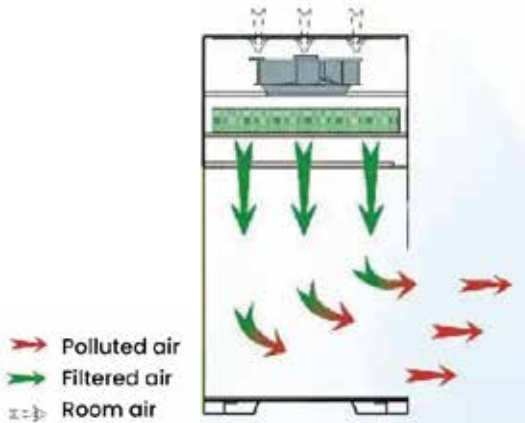
Most vertical laminar flow cabinets also have perforations at the back wall of the work zone which are designed to eliminate air turbulence and the possibility of dead air corners in the work zone.

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
- 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
- High-quality tempered glass prevents people from being scratched if the glass breaks.
- The host and sockets have independent capacitors to prevent current overload



Laminar Flow Cabinet, Horizontal type

LCB-H3F LCB-H4F LCB-H5F LCB-H6F



Description

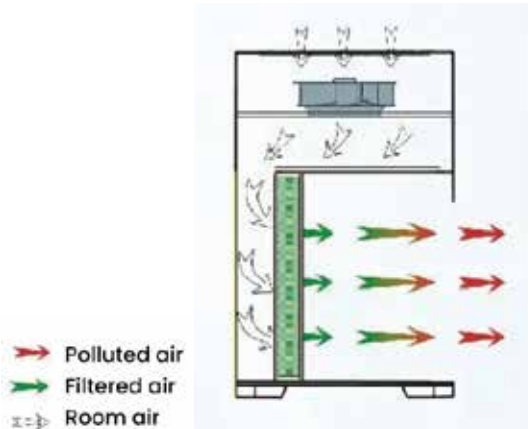
Horizontal Laminar Flow Cabinet provides a sterile work zone through a purified air that travels in a horizontal, unidirectional stream and leaves the main work chamber across the entire open front of the cabinet.

Applications

- Plant tissue culture
Media plate preparation
- Electronics inspection
Medical device assembly

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.
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- 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
- High-quality tempered glass prevents people from being scratched if the glass breaks.
- The host and sockets have independent capacitors to prevent current overload



Specifications

Model		LCB-H3F	LCB-H4F	LCB-H5F	LCB-H6F
External Dimensions(W*D*H)(mm)		1050*805*1950	1320*805*1950	1625*805*1950	1930*805*1950
Internal Dimensions(W*D*H)(mm)		950*490*574	1220*490*574	1525*490*574	1830*490*574
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 at 0.3 μm			
	Dimensions(W*D*H)(mm)	930*500*70	1190*500*70	1505*500*70	905*500*70
	Quantity	1pc			2pcs
Pre-Filter	Material	made of washable polyester fiber			
	Dimensions(W*D*H)(mm)	500*425*2	800*425*2	800*425*2	800*425*2
	Quantity	1pc			
Sound Emission		≤62dB(A)			
Lighting lamp		6.5W*1	9.6W*1	9.6W*1	6.5W*2
		LED type, Intensity ≥900Lx			
UV Lamp		20W*1	30W*1	30W*1	18W*2
		With timing function, Interlock with front sliding sash. Emission of 253.7 nanometers for best sterilization effect.			
Power Consumption		165W	305W	405W	510W
		The power consumption does not 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*1;			
		LED lamp*1(only 2 for LCB-H6F);			
		UV lamp*1(only 2 for LCB-H6F);			
		Waterproof socket*2;			
		Foma casters*4			
Optional Accessories		Wind speed sensor; Gas tap;Water tap; Casters with brakes; Hook and hook bar			
Shipping Weight (kg)		220	260	300	340
Package Dimension (W*D*H)(mm)		1190*1010*1430	1470*1020*1430	1010*1780*1440	2080*1020*1440
Shipping Volume (m³)		1.7	2.3	2.55	3.1