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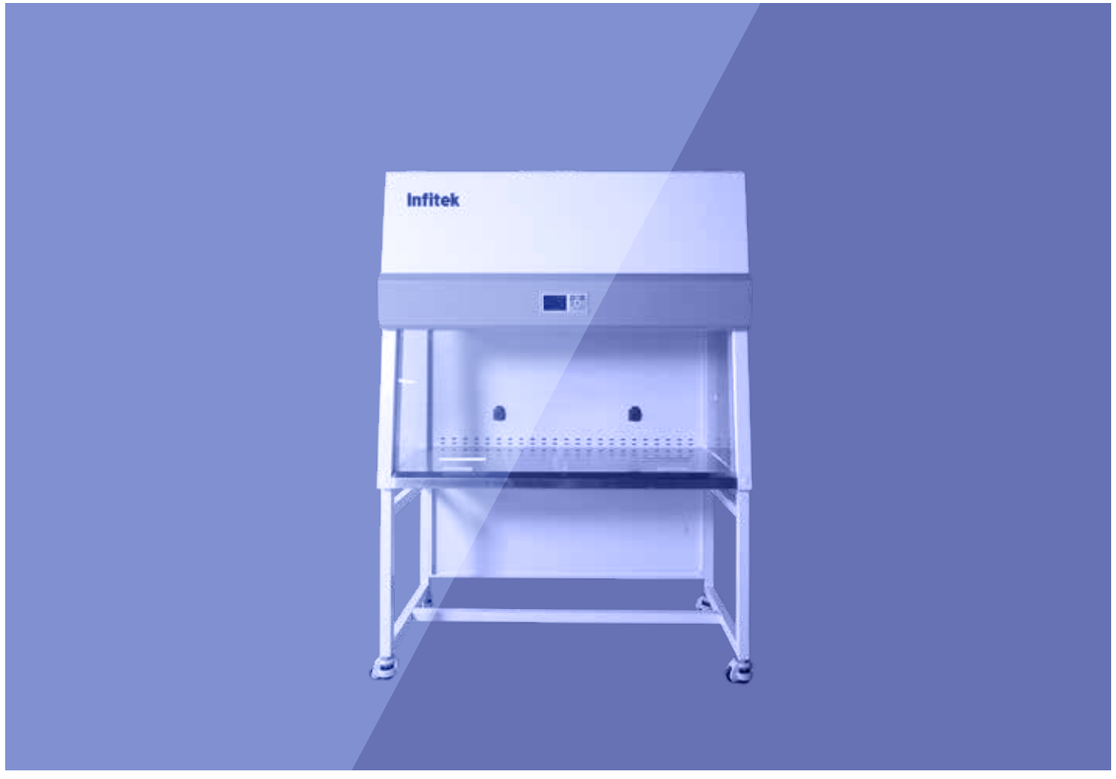
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LAMINAR FLOW CABINET

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



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Laminar Flow Cabinet, Vertical type

LCB-V800J LCB-V1400J



LCB-V800J



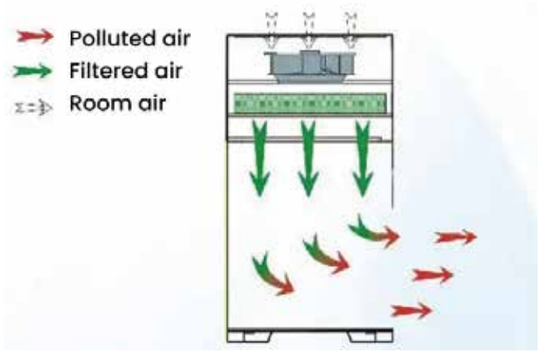
LCB-V1400J

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, Vertical type

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



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

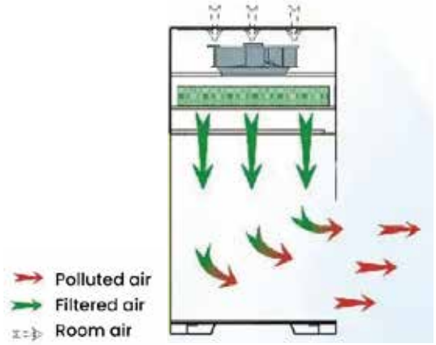
Microbiology (non-pathogenic)

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

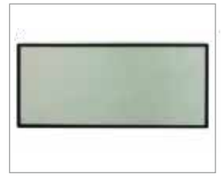
Safety Features

- 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





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		20W*1 450-650LX	30W*1 750-950LX	30W*1 750-950LX	20W*2 450-650LX
		LED Type			
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 (m^3)		1.56	1.92	2.33	2.7

Laminar Flow Cabinet, Vertical Type

LCB-V1300Y LCB-V1800Y

Features

- Vertical laminar flow, single-sided operation;
- Made of high-quality cold-rolled steel plate, welded structure, and surface electrostatic spraying to enhance the stability of the cabinet;
- Equipped with a pre-filter to preliminarily filter large particulates, extending the service life of the HEPA filter.
- The working zone is made of SUS304 material, which is beautiful and corrosion-resistant;
- The front and side windows are made of 5mm thick tempered glass;
- Caster design makes it easy to move and fix the cabinet;
- LCD screen, real-time display of running status (airflow velocity, timer, UV lamp time, HEPA filter running time).
- With ultraviolet lamp and fan appointment timing function;
- Unit conversion function, converts units between PA and m/s;
- Equipped with UV lamp, LED lamp, and waterproof socket;
- Complete alarm system:

  (1) Ultra-high filter pressure alarm

  (2) Filter replacement failure alarm

  (3) Low airflow velocity alarm
- Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window.



Description

The laminar flow cabinet is a local purification device installed in a clean room or a general room, which can maintain a high degree of cleanliness on the operating table according to the requirements of product production or other purposes. It is widely used in areas where high cleanliness is required, such as laboratories, biopharmaceuticals, hospitals, LED optoelectronics, circuit boards, microelectronics, hard disk manufacturing, food processing and other fields.

Specifications

Model	LCB-V1300Y	LCB-V1800Y
External Dimensions(W*D*H)	1300*750*2020mm	1800*750*2020mm
Internal Dimensions(W*D*H)	1200*640*625mm	1700*640*625mm
Work Surface Height	750mm, Can be customized as needed	
Airflow Velocity	0.30~0.5m/s	
Material	Working area: 304 stainless steel; Main body: Cold rolled steel with electrostatic epoxy powder coating; Front window: 5mm toughened glass, anti-UV.	
Pre-Filter	Polyester fiber	
HEPA Filter Efficiency	one, ≥99.995% at particle size of 0.3μm	
Sound Emission	≤65dB(A)	
Illumination	700lx	
Safety	Colonies Number≤0.5CFU/30min	
Cleanliness Level	ISO Level 5 (Class 100)	
LED Lamp	14W*1	22W*1
UV Lamp	30W*1	40W*1
Electricity	AC 220V±10%, 50/60Hz; AC110V±10%, 60Hz	
Rated Power (including load)	1400W	1500W
Standard Accessories	Base stand, UV Lamp, LED Lamp, Waterproof socket*2, HEPA Filter, Pre-Filter.	
Optional Accessories	HEPA Filter, Pre-Filter, UV Lamp, Centrifugal Fan, Water tap, Air tap.	

Laminar Flow Cabinet, Horizontal type

LCB-H800J LCB-H1600J



LCB-H800J



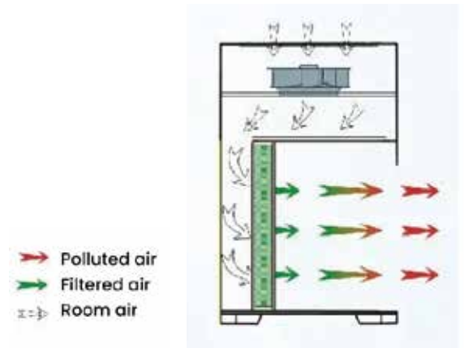
LCB-H1600J

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 a purified air that travels in a horizontal, unidirectional stream and leaves the main work chamber across the entire open front of the cabinet.

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% (≥0.3μm particles)
- ✓ Intelligent large screen 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
- ✓ 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 (ϕ90mm culture dish)	
Downflow velocity	0.2-0.5m/s（adjustable）	0.25-0.6m/s（adjustable）
Sound emission	≤65dBA	
Illuminance	≥300LX	
Vibration half-peak value	≤5μm（X.Y.Z direction）	
Electricity	AC220V±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, Horizontal type

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



Description

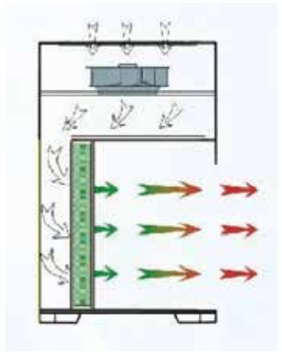
Horizontal Laminar Flow Cabinet provides a sterile work zone through a purified air that travels in a horizontal, unidirectional stream and leaves the main work chamber across the entire open front of the cabinet.

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.
- 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




controller with LCD display


HEPA filter


Brushed stainless steel work surface


Waterproof socket


UV lamp

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		20W*1 450-650LX	30W*1 750-950LX	30W*1 750-950LX	20W*2 450-650LX
		LED type			
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 (m^3)		1.7	2.3	2.55	3.1

Laminar Flow Cabinet, Horizontal Type

LCB-H1300Y LCB-H1800Y

CE

Features

- Horizontal laminar flow, single-sided operation;
- Made of high-quality cold-rolled steel plate, welded structure, and surface electrostatic spraying to enhance the stability of the cabinet;
- Equipped with a pre-filter to preliminarily filter large particulates, extending the service life of the HEPA filter.
- The working zone is made of SUS304 material, which is beautiful and corrosion-resistant;
- The front and side windows are made of 5mm thick tempered glass;
- Caster design makes it easy to move and fix the cabinet;
- LCD screen, real-time display of running status (airflow velocity, timer, UV lamp time, HEPA filter running time).
- With ultraviolet lamp and fan appointment timing function;
- Unit conversion function, converts units between PA and m/s;
- Equipped with UV lamp, LED lamp, and waterproof socket;
- Complete alarm system:

  (1) Ultra-high filter pressure alarm

  (2) Filter replacement failure alarm

  (3) Low airflow velocity alarm
- Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window.

Description

The laminar flow cabinet is a local purification device installed in a clean room or a general room, which can maintain a high degree of cleanliness on the operating table according to the requirements of product production or other purposes. It is widely used in areas where high cleanliness is required, such as laboratories, biopharmaceuticals, hospitals, LED optoelectronics, circuit boards, microelectronics, hard disk manufacturing, food processing and other fields.



Specifications

Model	LCB-H1300Y	LCB-H1800Y
External Dimensions(W*D*H)	1300*820*2000mm	1800*820*2000mm
Internal Dimensions(W*D*H)	1200*550*570mm	1700*550*570mm
Work Surface Height	750mm, Can be customized as needed	
Airflow Velocity	0.30~0.5m/s	
Material	Working area: 304 stainless steel; Main body: Cold-rolled steel with antimicrobial powder coating; Front window: 5mm toughened glass, anti-UV.	
Pre-Filter	Polyester fiber	
HEPA Filter Efficiency	≥99.995% at particle size of 0.3μm	
Sound Emission	≤65dB(A)	
Illumination	700lx	
Safety	Colonies Number≤0.5CFU/30min	
Cleanliness Level	ISO Level 5 (Class 100)	
LED Lamp	12W*1	16W*1
UV Lamp	30W*1	40W*1
Electricity	AC220V±10%, 50/60Hz	
Rated Power (including load)	1400W	1500W
Standard Accessories	Base stand, UV Lamp, LED Lamp, Waterproof socket, HEPA Filter, Pre-Filter.	
Optional Accessories	HEPA Filter, Pre-Filter, UV Lamp, Centrifugal Fan, Water tap, Air tap.	