

Laminar Flow Cabinet, Horizontal type



Laminar Flow Cabinet

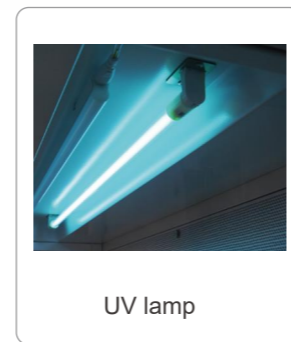
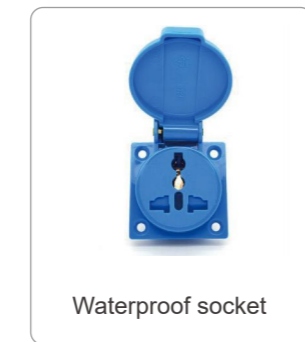
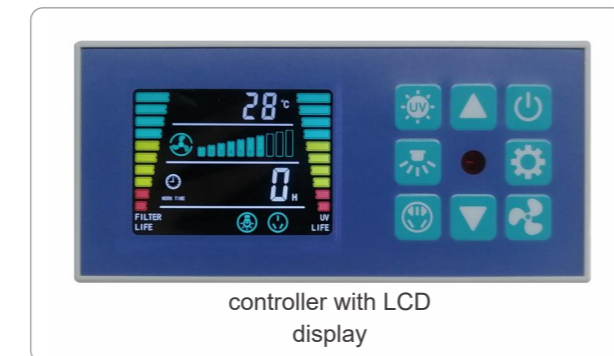


Description

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.

Safety Performance

- 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
- Memory function in case of power-failure.



Applications

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

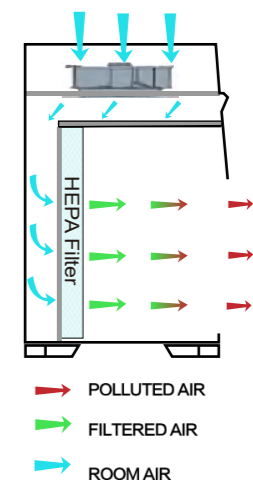
Humanized Design

- 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

- 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

Airflow Pattern



Specification

Model	LCB-H1100	LCB-H1300	LCB-H1600	LCB-H1900
External Size(W×D×H)(mm)	1050×805×1950	1320×805×1950	1625×805×1950	1930×805×1950
Internal Size(W×D×H)(mm)	950×490×574	1220×490×574	1525×490×574	1830×490×574
Control System	Microprocessor controller with LCD display, display 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	≤65dB(A)			
Fluorescent Lamp	LED Type, Intensity ≥900Lx			
LED Lamp	6.5W×1	9.6W×1	9.6W×1	6.5W×2
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.			
Waterproof Socket	1pc	2pc	2pc	2pc
Consumption	160W	170W	300W	310W
	Doesn't include external device connected via power socket			
Materials	Main Body: Electro-galvanized steel with antimicrobial Powder Coating			
	Work Zone: Stainless steel, grade 304			
Windows	Manual Sliding Sash			
	5 mm UV Resistant Tempered Glass with counter-balance system and ergonomic handle			
	Side Windows: 5 mm UV Resistant tempered glass			
Power Supply	AC 220V,50/60Hz; 110V,60Hz			
Standard Accessory	Base stand; LED lamp; UV lamp; Waterproof socket×2			
Optional Accessory	Water Tap; Gas Tap; IV bar; Height adjustable base stand			
Net Weight (kg)	170	200	230	165
Shipping Weight (kg)	220	260	300	340
Shipping Size(W×D×H)(mm)	1190×1010×1425	1460×1010×1425	1765×1010×1425	2070×1010×1425
Shipping Volume (m³)	1.7	2.3	2.55	3.0

Laminar Flow Cabinet

(Economic Type) Horizontal Laminar Flow Cabinet



Horizontal Laminar Flow Cabinet



Reliability

- UV sterilization with UV lamp timing function.
- Side windows are made of UV-resistant tempered glass.
- The host and sockets have independent capacitors to prevent current overload.
- Memory function in case of power-failure.



controller with LCD display



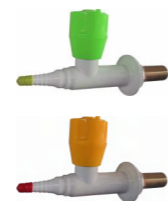
Waterproof socket



UV lamp



HEPA filter



Water Tap & Gas Tap (Optional)

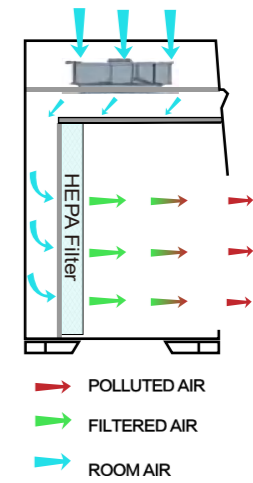
Features

- 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

- 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 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.

Airflow Pattern



Horizontal Laminar Flow Cabinet

Specification

Model	LCB-H1100E	LCB-H1300E	LCB-H1500E	LCB-H1800E
External Size (W×D×H) (mm)	1100×750×1750	1300×750×1750	1500×750×1750	1800×750×1750
Internal Size (W×D×H) (mm)	1020×510×620	1220×510×620	1420×510×620	1720×510×620
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	≥99.997% at particle size at 0.3μm			
Pre-Filter	1pcs, made of washable polyester fiber			
Sound Emission	≤65dB(A)			
Illumination	≥900Lx			
LED Lamp	6.5W×1 20W×1	9.6W×1 30W×1	9.6W×1 30W×1	6.5W×2 18W×2
UV Lamp	With timing function, Interlock with front sliding sash. Emission of 253.7 nanometers for best sterilization effect.			
Power Consumption	160W	170W	300W	310W
	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 Side Windows: 5 mm UV resistant tempered glass			
Power Supply	AC220V ±10%, 50/60Hz, 110V,60Hz, 1P			
Standard Accessory	Base stand; LED lamp; UV lamp; Waterproof socket×2, Footmaster caster			
Optional Accessory	Air velocity sensor, Water Tap, Gas Tap, IV bar an hooks			
Net Weight	150kg	170kg	200kg	225kg
Gross Weight	210kg	230kg	260kg	290kg
Shipping Size (W×D×H)mm	1240×930×1255	1440×930×1255	1640×930×1255	1940×930×1255
Shipping Volume (m3)	1.45	1.7	1.9	2.3