

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



controller with LCD display



HEPA filter



Brushed stainless steel work surface



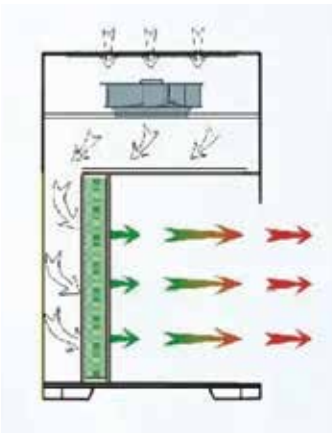
Waterproof socket



UV lamp

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
- 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.



Specifications

| Model | LCB-H3F | LCB-H4F | LCB-H5F | LCB-H6F |
|--------------------------------|--|----------------|----------------|----------------|
| External Dimensions(W*D*H)(mm) | 1050*650*1950 | 1320*650*1950 | 1625*650*1950 | 1930*650*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 | | | |
| 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 | 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; LED lamp; UV lamp; Waterproof socket | | | |
| Optional Accessories | Water Tap, Gas Tap, IV bar, Height adjustable base stand | | | |
| Shipping Weight(kg) | 220 | 260 | 300 | 340 |
| Shipping Dimensions(L*W*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 |