

LAMINAR FLOW CABINETS



24/7 PROTECTION

Haier Biomedical's Laminar Flow Cabinets offer a clean and safe environment protecting your samples



Class 5 Certification

Air cleanliness exceeds that required for Class 5 clean air applications



Safe & Reliable

Highly efficient HEPA filter, 99.995% @ 0.3 μ m



Side Glass Windows

Glass wall allows natural light in, reducing optical stress caused by artificial lighting and maximising the usable space

Haier Biomedical

Intelligent Protection of Life Science

Safer By Design

Featuring many patented technologies and certified to ISO146644.1 Class 5 standard, Haier Biomedical's Laminar Flow Units are suitable for a wide range of clean air applications within various sectors; including pharmaceutical, clinical, life science research, media prep and microelectronics manufacturing.



ISO14644.1 Class 5 Standard

HEPA filter with a typical efficiency of >99.99% for 0.3 micron particles.



Durable

Manufactured using cold rolled steel with anti-corrosion electrostatic paint finish with 304 stainless steel worktop resistant to oxidation and corrosion.



Patented Pre-Cleaning Function

Pre-cleans the working area before sample handling, providing additional sample/product protection.



One-Touch UV Lamp

Ultraviolet light can be set with one single key to automate on/off time, sterilisation time and sterilisation time interval from 0 to 24 hours, reducing downtime. Audible and visual alarms remind users to leave, protecting them from UV injury.



Interior Light Source

Recessed internal lighting reduces eye fatigue.



Inter-Lock Function for Safer Operation

The fluorescent light and ultraviolet light interlock with each other. The ultraviolet light can only be switched on when the fluorescent light is turned off. When the fluorescent light is on, the ultraviolet light is powered off immediately to minimize any risks.



Ergonomic Design

The working height of the worktable is 800mm suitable for an operator to stand or sit and allows for flexible working throughout the day to reduce operator fatigue. There is also a convenient IV bar with hooks.



Clear Controller and Display

A microcomputer intelligent control panel with durable touch buttons.



Memory Function

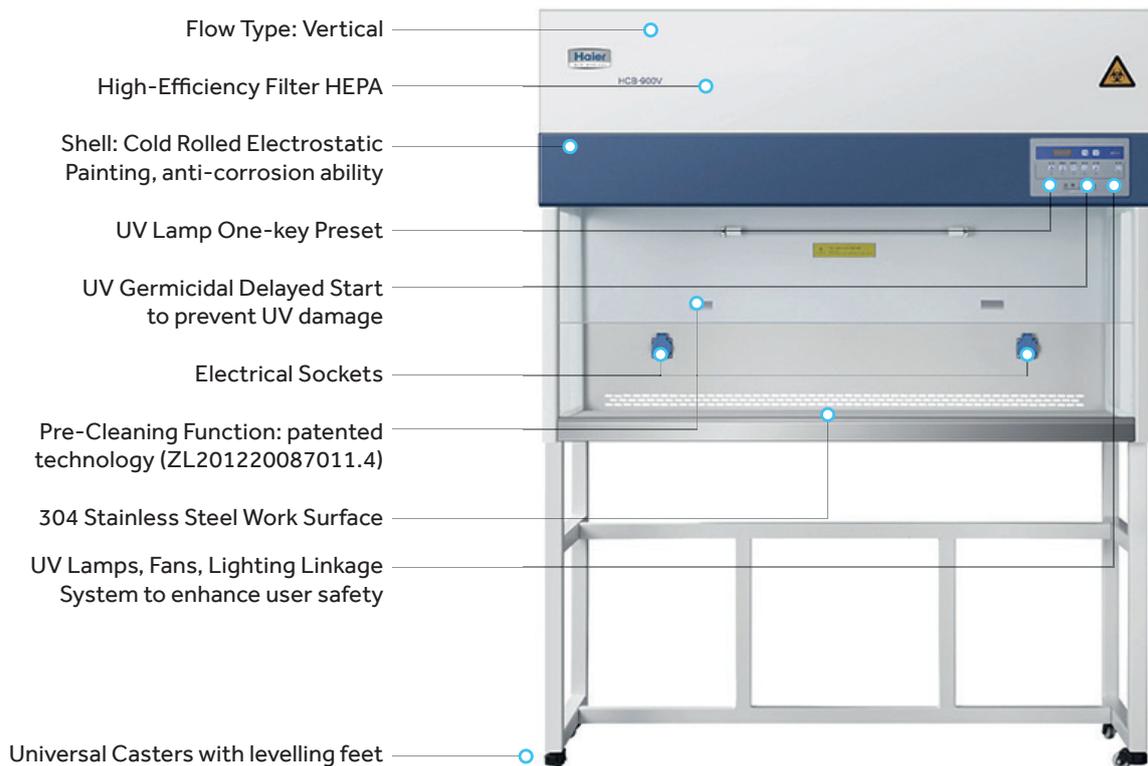
For quick and convenient start-up the UV lamp has a start-up delay time, sterilisation duration, pre-set start time and the fan position can be set and saved by user to avoid repeated setting.

PRODUCT FEATURES



HCB-1300H

- Flow Type: Horizontal
- HEPA Filter, efficiency for $\leq 0.3 \mu\text{m}$ particulate is $\leq 99.99\%$
- UV Lamp One-Key Preset
- Stainless IV Bar, to hang bottles conveniently
- Glass Side Windows allow more light
- 304 Stainless Steel Work Surface
- Universal Casters with levelling feet



HCB-900V

- Flow Type: Vertical
- High-Efficiency Filter HEPA
- Shell: Cold Rolled Electrostatic Painting, anti-corrosion ability
- UV Lamp One-key Preset
- UV Germicidal Delayed Start to prevent UV damage
- Electrical Sockets
- Pre-Cleaning Function: patented technology (ZL201220087011.4)
- 304 Stainless Steel Work Surface
- UV Lamps, Fans, Lighting Linkage System to enhance user safety
- Universal Casters with levelling feet

PRODUCT SPECIFICATIONS

| Model | | HCB-900V | HCB-1300V | HCB-1300H | HCB-1600H |
|-----------------------------------|-----|--------------------|--------------------|--------------------|--------------------|
| Flow Type | | Vertical | Vertical | Horizontal | Horizontal |
| Voltage/Frequency | | 220V/50Hz | 220V/50Hz/60Hz | 220V/50Hz/60Hz | 220V/50Hz/60Hz |
| Power | | 1200W | 1200W | 350W | 350W |
| Vibration Amplitude | | ≤2um | ≤2um | ≤2um | ≤3um |
| Exhaust Filter Typical Efficiency | | HEPA,99.995%@0.3um | HEPA,99.995%@0.3um | HEPA,99.995%@0.3um | HEPA,99.995%@0.3um |
| Average Velocity | | 0.2~0.5m/s | 0.2~0.5m/s | 0.3~0.5m/s | 0.3~0.5m/s |
| Fluorescent Lamp Intensity (Lux) | | ≥300 | ≥300 | ≥900 | ≥1000 |
| Net/Gross Weight | kg | 115/140 | 145/175 | 135/165 | 165/205 |
| | lbs | 254/309 | 320/386 | 297.6/363.7 | 363.7/415.9 |
| Sound level (dB(A)) | | ≤60 | ≤60 | ≤60 | ≤60 |
| Internal Dimension (W*D*H) | mm | 900*550*520 | 1300*550*520 | 1310*550*750 | 1710*550*750 |
| | in | 35.4*21.7*20.5 | 51.2*21.7*20.5 | 51.5*21.7*29.5 | 67.3*21.7*29.5 |
| External Dimension (W*D*H) | mm | 970*630*1730 | 1370*630*1730 | 1380*792*1960 | 1780*792*1960 |
| | in | 38.2*24.8*68.1 | 53.9*24.8*68.1 | 54.3*31.1*77.2 | 70.1*31.1*77.2 |
| Packing Dimension (W*D*H) | mm | 1105*745*1280 | 1505*745*1280 | 1465*940*1370 | 1865*940*1370 |
| | in | 43.5*29.3*50.4 | 59.3*29.3*50.4 | 57.7*37.0*53.9 | 73.4*37.0*53.9 |
| Supporter | | 750mm high chassis | 750mm high chassis | 750mm high chassis | 750mm high chassis |
| Cleanliness Classification | | ISO14644.1 Class 5 | ISO14644.1 Class 5 | ISO14644.1 Class 5 | ISO14644.1 Class 5 |
| Container Load (20'/40'/40'H) | | 15/33/33 | 10/25/25 | 8/16/16 | 6/12/12 |
| Certification | | CE,CFDA | CE,CFDA | CE,CFDA | CE,CFDA |