

# Biological Safety Cabinet

**HR40-IIB2**



## Main Applications

Professional partial air purification equipment, it is suitable for cell biology, microbiology, biomedicine, biosafety and other related laboratories. It provides the most essential protection and isolation equipment for biosafety.

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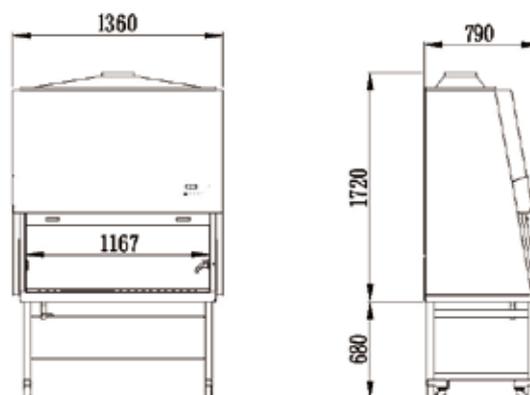


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## Product advantages

- Complete air-tight protection
  - Its structural airtightness has been strictly tested; after being pressurized to 500pa and maintained for 30 minutes, the pressure inside was no lower than 480Pa. At the same time, it is completely airtight after going through the integrity test of high efficiency particulate air (HEPA) filter, making it is safe to use;
- Safe airflow system
  - The operating area utilizes an airflow disruption design and its front window has air curtain protection at the upper edge and in the surroundings, which can prevent cross over air flow between the inside and outside and thus preventing the diffusion of the internal and external pollutants;
  - The cabinet professional imported air pressure sensors can monitor the pressure changes in the positive and negative pressure zones in real-time and the sound and light alarms are automatically triggered when airflow changes exceed 20%;
  - The cabinet working space is surrounded by four negative pressure zones, which can ensure that the internal pollution is in negative pressure or is surrounded by negative pressure zones so that the operators are protected from the pollutants;
  - The cabinet is manufactured with an internationally renowned brand moisture-proof and flame-retardant glass fiber high efficiency particulate air (HEPA) filter, which ensures a filtration efficiency of 99.99% or above for particles of 0.3 microns to protect the samples, personnel and environment; The cabinets high-efficiency AC centrifugal fans combined with professional air flow distribution design to ensure lower noise and more uniform air flow;
  - The cabinet LCD screen displays in real-time the various parameters and the service life of the components, making the equipment operating conditions clearer at a glance;
  - The cabinet high intensity 254nm UV lamp enables the setting of the automatic on/off timer for the sterilization intervals, reducing user waiting times;
  - The cabinet has a linkage interlock system of ultraviolet disinfection, fluorescent lamp, front window and fan: after the front window has been opened, the fan will turn on automatically and the UV lamp will turn off to prevent the dispersal of pollutants, preventing any personnel injuries;
  - The cabinet has variety of light and sound alarm functions: hardware fault alarm, operating parameters out-of-limit alarm, filter and UV lamp service life alarm and other alarm functions.
- Friendly design
  - The front operating surface of the cabinet is manufactured with a 10-degree inclination design, which is in accordance with ergonomic principles and more comfortable to operate for the user;
  - The cabinet underframe has adjustable feet with no bare thread, avoiding dust pollution;
  - The cabinet has universal casters to facilitate movement;
  - Water valve, air valve, anti-backflow air valve and other accessories are optional.

## Product dimension



HR40-IIB2

## Specifications

Model		HR40-IIB2
Working Voltage & Frequency (V/Hz)		220/50/60
Power (VA)		1700
Power of Blower (W)		AC 115W
Airflow Circulation		100% Exhaust
Main Filter Typical Efficiency		ULPA,U15,99.9995%@0.12um
Exhaust Filter Typical Efficiency		HEPA,H14,99.995%@0.3um
Filter's Brand		AAF
Downflow Velocity (m/s)		0.28
Inflow Velocity (m/s)		0.55
Fluorescent Lamp Intensity (Lux)		≥1200
Net/Gross Weight (approx)	kg	252/308
	lbs	555.6/679
Interior Dimensions (W*D*H)	mm	1167*610*680
	in	45.9*24.0*26.8
Exterior Dimensions (W*D*H)	mm	1360*790*2400
	in	53.5*31.1*94.5
Packing Dimensions (W*D*H)	mm	1415*905*1910
	in	55.7*35.6*75.2
Container load (20'/40'/40'H)		8/16/16
Alarm		Sound and Flash
Certification		NMPA(CFDA), CE, TUV SUD Mark