

CLASS I BIOLOGICAL SAFETY CABINET

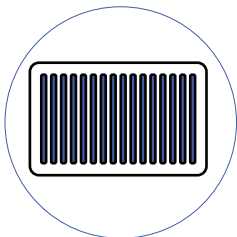
HUYAir Bio1

- ✓ Standard compliance: NSF 49, EN 12469.
- ✓ The cabinet meets the Class 1 Biological Safety Cabinet standards issued by the National Institute of Hygiene and Epidemiology.
- ✓ Warranty: 3 years.

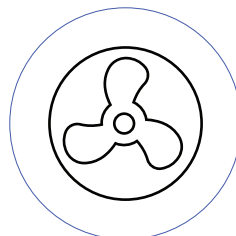
INTENDED USE

Class I Biological Safety Cabinet, HUYAir Bio1 is designed to provide safety protection for operators and the environment during direct handling of contaminated samples with a high potential for disease transmission. The Class 1 cabinet is a cost-effective alternative to Class 2 biological safety cabinets, suitable for applications that do not require product protection.

TECHNOLOGY



CAMFIL FILTERS - SWEDEN
OR **AAF FILTERS - USA**



CENTRIFUGAL FAN
EBMpapst - GERMANY



LCD SCREEN

- HUYAir Bio1 utilizes a "HUYAir Comprehensive" microprocessor-controlled system that displays the full performance of the cabinet on an LCD screen.
- The cabinet is equipped with direct sensors to monitor air flow rates and integrates a low-speed wind alert mode.
- Alert display when the filters and UV lamp reach the end of their useful life.
- When the UV lamp is activated, the fluorescent lamp and the motor will automatically turn off. The UV lamp will also automatically turn off when the door is opened to protect the user.
- Door alert: When the glass door is opened beyond the 200mm limit, an audible signal and lights will activate to ensure safe operation.
- When the glass door is fully closed, the motor will automatically reduce its operation to 30% to save energy, extend the motor's lifespan, and maintain a clean working environment.
- The motor uses an energy-efficient EBMpapst centrifugal fan from Germany, which extends the lifespan of the filters and reduces operating noise.
- Uses Camfil filters from Sweden or AAF filters from the US; H14 grade with a high filtration efficiency of 99.999% at 0.3um.





DESIGN

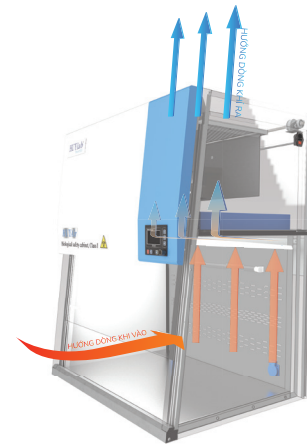
- The cabinet is designed with double-walled compartments and internal pressure to completely prevent and isolate hazardous air.
- Scientific design, lifting frame, and support frame create a sturdy working surface.
- The cabinet is set up, operated, and filter maintenance is very straightforward.

MATERIALS

- The outer shell is made of 1.2mm thick galvanized steel with chemical-resistant electrostatic powder coating.
- The inner chamber is made of 0.8mm thick stainless steel SUS 304.
- The door material is 5-10mm tempered glass, designed with counterweight for easy opening and closing.

AIRFLOW SYSTEM

- The surrounding air is drawn in through the front opening. The entire airflow is directed through the HEPA filter, creating an upward vertical airflow and then exhausted outside.
- The design forms a barrier to protect humans and the environment from potential contamination by hazardous samples. However, the cabinet itself does not provide protection for the samples.



TECHNICAL SPECIFICATIONS

Model	HUYAir Bio1-900	HUYAir Bio1-1200	HUYAir Bio1-1500	HUYAir Bio1-1800
External dimensions (L x W x H mm)	L1060 x W802 x H1200 mm	L1360 x W802 x H1200 mm	L1660 x W802 x H1200 mm	L1960 x W802 x H1200 mm
Internal dimensions (L x W x H mm)	L960 x W702 x H690 mm	L1260 x W702 x H690 mm	L1560 x W702 x H690 mm	L1860 x W702 x H690 mm
External dimensions with Support Stand (L x W x H mm)	L1060 x W802 x H2000 mm	L1360 x W802 x H2000 mm	L1660 x W802 x H2000 mm	L1960 x W802 x H2000 mm
Airflow velocity	0,38 m/s			
Brightness	>750 lux			
Noise level	<65 dB			
Power supply	220 V/50 Hz			



ACCESSORY

HUYlab offers a wide range of accessories designed to fit various types of cabinets with versatile applications.

Support Stand	Support Stand with caster wheels Height 800mm for model HUYAir Bio1 Support Stand with cabinets Height 800mm for model HUYAir Bio1
Power accessories	Power outlet
Vans accessories	Gas vans Gas (such as N2) Vacuum vans Water vans
Filter accessories	ULPA filter (H15)