



## Biosafety Cabinet Class II, Type A2

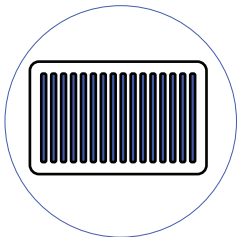
# HUYAir Bio2Eco

- ✓ Complies with NSF 49, EN 12469 standards
- ✓ LCD control
- ✓ AC motor
- ✓ Warranty: 3 years

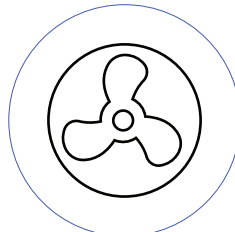
## PURPOSE

HUYAir Bio2Eco | Biosafety Cabinet Class II, Type A2 is a product designed to ensure safety for operators, samples, and the environment during scientific research, experiments, and other laboratory work.

## TECHNOLOGY



Camfil filters - Sweden  
or AAF filters - USA

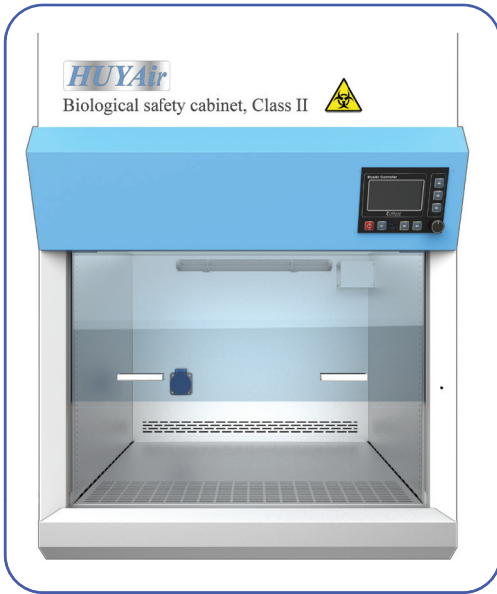


AC Centrifugal Fan  
EBMpapst - Germany



LCD control

- HUYAir Bio2Eco uses a control system with the "HUYAir Comprehensive" processor, displaying the full performance of the hood on the LCD screen.
- Airflow Monitoring: The cabinet is equipped with sensors to directly monitor airflow rates and includes a low airspeed alert feature.
- Filter and UV Lamp Alerts: It provides alerts when the filters and UV lamps have reached the end of their service life.
- Safety Features: Safety features include automatic UV lamp shutoff when the cabinet is opened, door alerts when the glass is opened beyond 200mm, and motor reduction to 30% when the glass is completely closed for energy efficiency and prolonged motor life.
- EBMpapst AC Centrifugal Fan: The cabinet uses a powerful and energy-efficient AC centrifugal fan from EBMpapst in Germany, designed to minimize noise while ensuring efficient air circulation.
- Camfil or AAF Filters: It utilizes Camfil filters from Sweden or AAF filters from the United States, providing high-efficiency H14 filtration, capturing 99.999% of particles at 0.3 micrometers.



## DESIGN

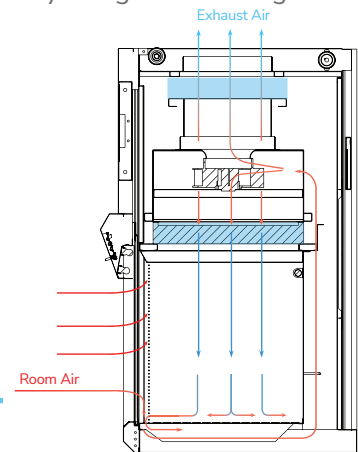
- The cabinet is designed with double walls and internal pressure to completely block and isolate toxic air.
- Special front and side ventilation grids are designed to provide optimal protection for users and products.
- The cabinet is easy to set up, operate, and maintain the filter.

## MATERIAL

- The outer shell is made of 1.2 mm thick galvanized steel, electrostatically painted to resist chemicals and UV.
- The inner chamber is made of 0.8 mm thick SUS 304 stainless steel.
- The door material consists of 5-10 mm toughened glass, designed with counterweights for easy lifting and lowering.

## AIR FLOW SYSTEMS

The surrounding air is drawn in through the front gap and the sides of the wall to create an incoming air stream. The incoming air flow is divided into two parts: 30% of the air flow will exit through the exhaust filter, and 70% of the air flow will be evenly distributed over the surface of the HEPA-grade filter, creating a downward vertical air flow.



## SPECIFICATIONS

Model	HUYAir Bio2Eco
External dimensions (LxWxH)	L720 x W774 x H1230 mm
Internal dimensions (LxWxH)	R620 x S510 x C503 mm
External dimensions   with Support stand (LxWxH)	L720 x W774 x H2030 mm
Air flow velocity	0,35 m/s
Air intake velocity	0,51 m/s
Lighting intensity	>750 Lux
Noise level	<65 dB
Input voltage	220 V/50 Hz



## ACCESSORIES

HUYlab provides a range of accessories designed to be compatible with various cabinet models for different applications.

Support stand	Mobile Frame Stand with Wheels, Designed for Model
	Fixed Cabinet Base Stand, Designed for Model
Power Accessories	Power Outlet
Valve Accessories	Gas valve   N2   Vacuum
	Water valve
Filter Accessories	Filter ULPA (H15)