

## Biosafety Cabinet Class II, Type A1

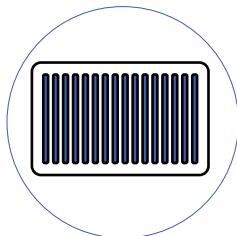
# HUYAir Bio2 A1 Prime

- ✓ Complies with NSF 49, EN 12469 standards  
NSF 49, EN 12469
- ✓ Touchscreen
- ✓ DC motor
- ✓ Warranty: 3 years

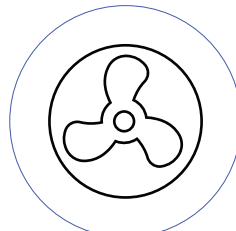
## PURPOSE

The HUYAir Bio2 A1 Prime | Biosafety Cabinet Class II, Type A1 product designed for optimal safety. The working chamber is made entirely of stainless steel (SUS 304), ensuring protection for the operator, the samples, and the environment. This cabinet is ideal for life science research and microbiological testing without chemical vaporization.

## TECHNOLOGY



Camfil filters - Sweden  
or AAF filters - USA



DC Centrifugal Fan  
EBMpapst - Germany



Touchscreen

- BlueTouch: HUYAir Bio2 Prime utilizes the "BlueTouch" touch-sensitive control system.
- 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 DC Centrifugal Fan: The cabinet uses a powerful and energy-efficient DC 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

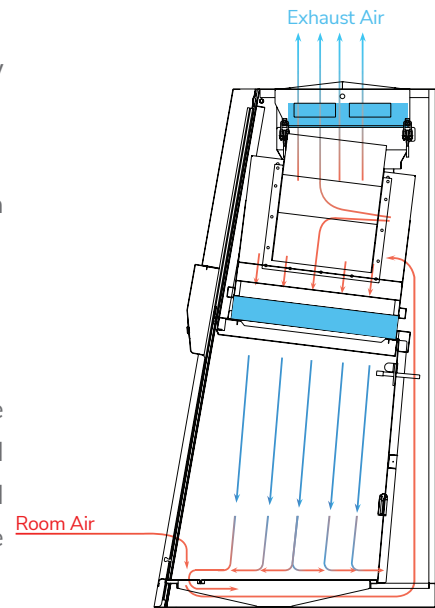
- The cabinet is designed with double walls and internal pressure to completely block and isolate toxic air.
- Special front and side ventilation grids are designed to provide optimal protection for users and products.
- The cabinet is easy to set up, operate, and maintain the filter.

## 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.

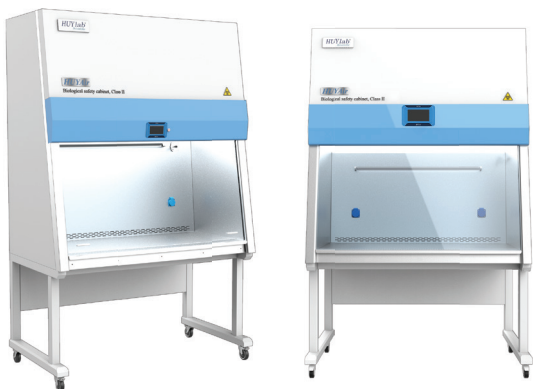
## AIR FLOW SYSTEMS

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 Bio2-1200 A1 Prime	HUYAir Bio2-1500 A1 Prime	HUYAir Bio2-1800 A1 Prime
External dimensions (LxWxH)	L1380 x W816 x H1520 mm	L1680 x W816 x H1520 mm	L1980 x W816 x H1520 mm
Internal dimensions (LxWxH)	L1260 x W610 x H648 mm	L1560 x W610 x H648 mm	L1860 x W610 x H648 mm
External dimensions   with Support stand (LxWxH)	L1380 x W816 x H2240 mm	L1680 x W816 x H2240 mm	L1980 x W816 x H2240 mm
Air flow velocity	0,35 m/s		
Air intake velocity	0,38 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)