



BIOSAFETY CABINET CLASS II, TYPE A2

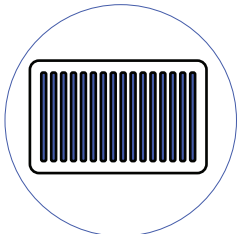
HUYAir Bio2 Elite

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

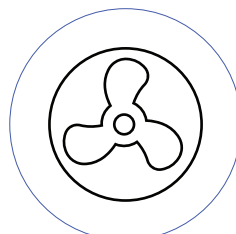
PURPOSE

HUYAir Bio2 Elite | 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



DC Centrifugal Fan
EBMpapst - Germany



Touchscreen

- BlueAir Touch: HUYAir Bio2 Elite utilizes the "BlueAir Touch" 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

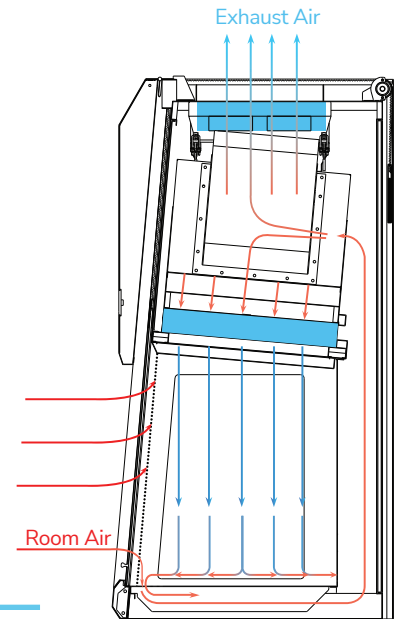
- Double Tempered Glass Design: The cabinet is designed with double tempered glass walls for easy observation of samples and operators.
- Special Ventilation Grids: Special ventilation grids are located on the front and both sides, providing optimal protection for users and products.
- Simple Setup and Maintenance: The cabinet is straightforward to set up, operate, and maintain the filters.

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.

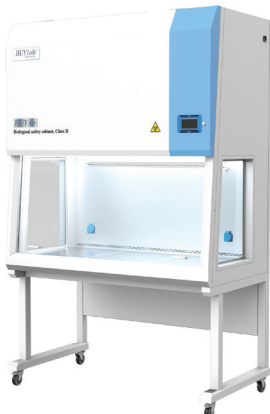
AIR FLOW SYSTEMS

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 Elite
External dimensions (LxWxH)	L1280 x W772 x H1482 mm
Internal dimensions (LxWxH)	L1110 x W575 x H560 mm
External dimensions with Support stand (LxWxH)	L1280 x W772 x H2200 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	Loç ULPA (H15)