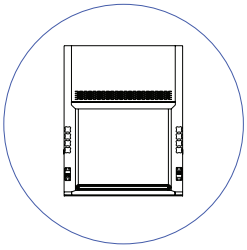
DUCTED FUME HOOD
HUYAir FH

- ✔ Complies with ASHREA 110 standards
- ✔ 3-year warranty.

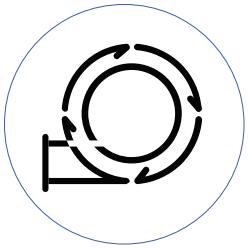
PURPOSE

HUYAir FH | Fume Hood used to control and manage polluted exhaust gases in industrial and chemical applications, especially when dealing with strong acids and corrosive chemicals, to protect the health of workers.

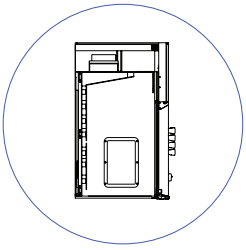
TECHNOLOGY



5-10mm
TEMPERED GLASS DOOR



QUIMIPOL FAN - SPAIN

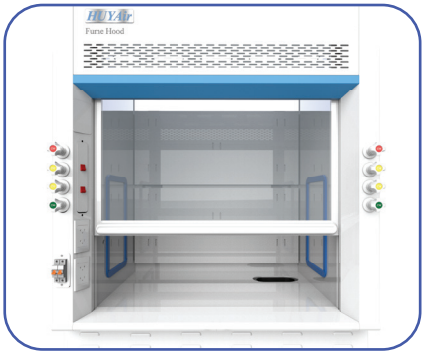


THE CHAMBER IS MADE
OF POLYPROPYLENE (PP)

- The motor uses Quimipol fan from Spain, which is energy-efficient, extends the lifespan of the filter, and reduces noise during operation. The fan's impeller and blades are made of PP plastic, which is resistant to chemicals.
- The **HUYAir FH | Ducted Fume Hood** is equipped with sensors to monitor air flow rates and includes a low-speed wind alert feature.
- The maximum air extraction speed when the door is open at 500mm: 0.51 m/s.s

MATERIAL

- The outer shell is made of 1.2 mm thick galvanized steel, electrostatically painted to resist chemicals and UV.
- The inner chamber is constructed from Polypropylene (PP) or Polyvinylidene difluoride (PVDF), providing resistance to chemical corrosion, including hydrofluoric acid, and high temperatures.
- The door material is 5-10mm tempered glass, designed with counterweights for easy lifting and lowering.
- The workbench material can be chosen from Phenolic Resin or Epoxy Resin.



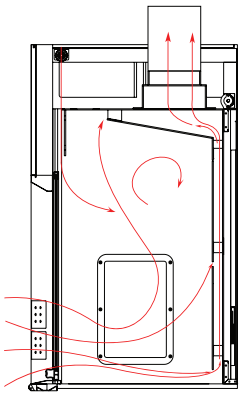
DESIGN

- **HUYAir FH | Ducted Fume Hood** is designed with upper front air intake bypass slots, along with direction-changing baffles, to ensure good air circulation both when the door is closed and when it's open at a higher position.
- The cabinet features a double-walled design to minimize air leakage and maintain an aesthetically pleasing appearance for the electrical and plumbing systems.
- It comes with a 250mm diameter exhaust pipe for venting air outside the laboratory, with the option to add additional pipes when needed.

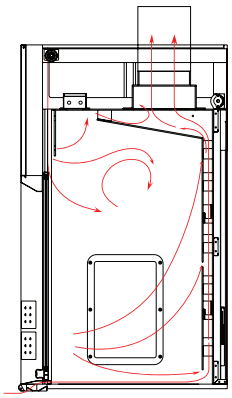
AIR FLOW SYSTEMS

The cabinet is designed with upper front air intake bypass slots and baffles that change the direction of airflow, ensuring efficient air circulation whether the cabinet door is closed or open at a higher position. The airflow around the cabinet is drawn in through the front door, and the intake air is divided into two directions:

1. Air from the outside is drawn up through a pipe to be vented outside.
2. Air is drawn through the slots, and the airflow behind the baffles rises through a pipe to be vented outside.



OPENING DOOR



CLOSED DOOR

SPECIFICATIONS

Model	HUYAir FH-1200	HUYAir FH-1500	HUYAir FH-1800
External dimensions (LxWxH)	L1200 x W910 x H1500 mm	L1500 x W910 x H1500 mm	L1800 x W910 x H1500 mm
Internal dimensions (LxWxH)	L1000 x W660 x H1200 mm	L1300 x W660 x H1200 mm	L1600 x W660 x H1200 mm
External dimensions | with Support stand (LxWxH)	L1200 x W900 x H2400 mm	L1500 x W900 x H2400 mm	L1800 x W900 x H2400 mm
Air flow velocity	0,51 m/s		
Lighting intensity	>750 Lux		
Noise level	<65 dB		
The maximum door opening height	750 mm		
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
Sink Accessories	Mini sink
Filter accessories	Wet Scrubber Systems | Model : HUYAir WS