



Ductless Fume Hood With Carbon Filter

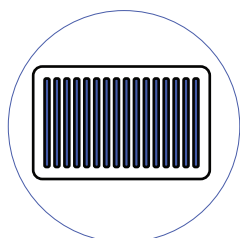
HUYAir DFH

- ✓ Complies with ASHRAE 110
- ✓ Integrated microprocessor controller with 4.3-inch touch screen
- ✓ DC motor
- ✓ Warranty: 3 years

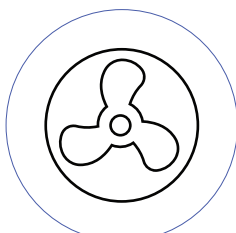
PURPOSE

The Ductless fume hood with carbon filter – **HUYAir DFH** is equipped with a specialized carbon filtration system designed to protect users when working with hazardous chemicals and volatile solvents.

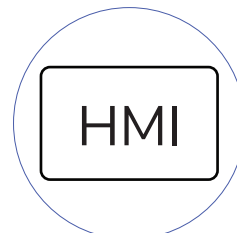
TECHNOLOGY



CARBON FILTERS



AC CENTRIFUGAL FAN
EBMPAPST - GERMANY



4.3-INCH TOUCH SCREEN

✓ The **HUYAir DFH** is equipped with a touch screen display and a microprocessor controller, offering precise monitoring and adjustment of operational parameters. The hood features an integrated airflow sensor with a wind alert mode, which activates when the airflow speed is low, ensuring stable performance and optimal protection for the user.

✓ The cabinet's alert is highly comprehensive, automatically notifying users when it's time to replace the filter, light, and fan. The door alert system is also activated when the glass door opens beyond 200 mm, with both an alarm and a light to ensure optimal safety.

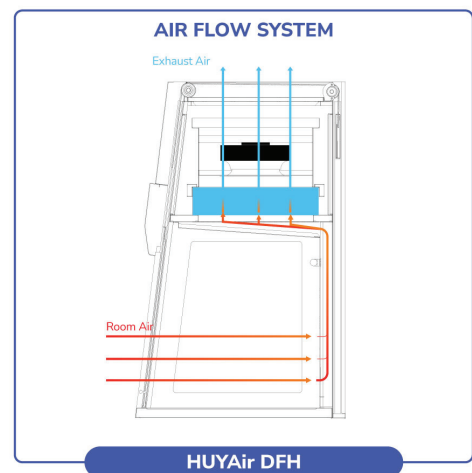
✓ The **HUYAir DFH** utilizes an EBMpapst centrifugal fan motor from Germany, which excels in energy efficiency, noise reduction, and extending the filter's lifespan. When the glass door is fully closed, the motor automatically reduces its power by 30%, saving energy while maintaining clean air in the workspace.

✓ The cabinet features side walls made of 5 mm thick tempered glass, which not only blocks ultraviolet rays but also allows for easy observation of samples and monitoring of other users' operations. Its scientific design, with a lifting frame and supporting structure, creates a comfortable working surface, optimizing the workflow. The advanced internal structure of the cabinet optimizes airflow, ensuring efficient and safe air movement.

✓ The exterior and chamber are made of galvanized steel with a chemical-resistant and UV-resistant powder coating, providing excellent durability against harmful factors. The sash is made of 5–10 mm thick tempered glass and equipped with a counterweight-assisted mechanism, allowing smooth and safe opening and closing.

AIR FLOW SYSTEM

The HUYAir DFH is equipped with a specialized carbon filtration system that provides maximum protection during work with hazardous substances. The airflow continuously extracts contaminants from the working chamber, which are then directed through the rear panel of the chamber, where the polluted air is pushed onto the carbon filter. This filter absorbs all contaminants, ensuring that only clean air is released into the external environment, thus contributing to the safety of both users and the working environment.



SPECIFICATIONS

Model	HUYAir DFH – 700	HUYAir DFH – 900	HUYAir DFH – 1200	HUYAir DFH – 1500
External dimensions (W x D x H)	700 x 750 x 1200 mm	900 x 750 x 1200 mm	1200 x 750 x 1200 mm	1500 x 750 x 1200 mm
Internal dimensions (W x D x H)	600 x 620 x 605 mm	800 x 620 x 605 mm	1100 x 620 x 605 mm	1400 x 620 x 605 mm
External dimensions with Support Stand (D x W x H)	720 x 750 x 1920 mm	920 x 750 x 1920 mm	1220 x 750 x 1920 mm	1520 x 750 x 1920 mm
Net weight	100kg	130kg	160kg	200kg
Controller	Microprocessor with 4.3 inch touch screen			
Motor	DC			
Supply air velocity	0.3 - 0.5 m/s			
Brightness	>750 lux			
Noise level	<65dB			
Voltage – Frequencies	220 – 240V 50 – 60 Hz			

ACCESSORIES

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

Accessory	Description
Support Stand Accessory	Mobile frame type with wheels, designed to match the model.
	Fixed cabinet type, designed to match the model.
Power Supply Accessory	Power outlet
Valve Accessory	Gas / Air (N ₂) / Vacuum valve
	Water valve
Water Accessory	Faucet
	Mini sink