

DUCTLESS FUME HOOD WITH CARBON FILTER

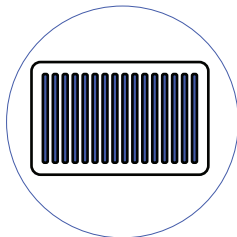
HUYAir DFH

- ✓ Complies with ASHRAE 110 standards.
- ✓ LCD control.
- ✓ Warranty: 3 years

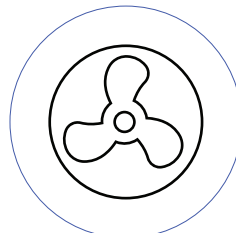
PURPOSE

HUYAir DFH | Ductless Fume Hood With Carbon Filter is designed to protect individuals when exposed to hazardous chemicals and volatile solvents. A continuous air suction system removes pollutants, keeping the workspace clean. With the specialized filtration system, the DFH series absorbs all pollutants, releasing clean air into the environment to protect it.

TECHNOLOGY



GVS CARBON FILTER - UK



EBMpapst

Centrifugal Fan - Germany



LCD control

- HUYAir DFH uses a control system with the "HUYAir Comprehensive" processor, displaying the full performance of the hood on the LCD screen.
- The hood is equipped with sensors to directly monitor the airflow rate and includes a low wind speed alert mode.
- Alerts are displayed when the filters and UV lamps have reached the end of their effective usage.
- When the UV lamp is active, the fluorescent lamp and motor will automatically turn off. When the door is opened, the UV lamp will automatically turn off to protect the user.
- Door alert: If the glass door is opened beyond a limit of 200 mm, a signal and lights will activate to ensure safe operation.
- When the glass door is fully closed, the motor will automatically reduce to 30% operation to save energy, extend the motor's lifespan, and maintain clean air in the workspace.
- The motor uses an EBMpapst centrifugal fan from Germany to save energy, prolong filter life, and reduce noise during operation.
- It uses various Carbon GVS filters from the UK:
 1. GP - General organic compound removal (i.e., solvents, odors, organic acids, etc.).
 2. CYN - Removal of compounds containing Cyanide (and general organics).
 3. AMM - Removal of compounds containing Ammonia & Amine (and general organics).
 4. FOR - Removal of Formaldehyde (and general organics).
 5. ACI - Removal of inorganic acids and general organics (including Sulphur compounds).
 6. ACR - Removal of Alkali compounds (and general organics).
 7. ETH - Removal of compounds containing Ether (and general organics).

DESIGN

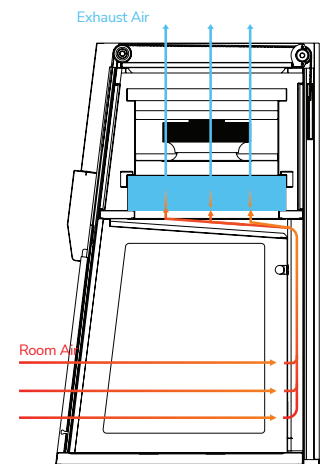
- The HUYAir DFH is designed with 5 mm toughened glass on both sides to block ultraviolet rays and allow easy observation of samples and the work process of others.
- Scientific design: the lifting frame and support frame create a comfortable working surface.
- The advanced interior structure of the cabinet optimizes airflow.

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

HUYAir DFH | Ductless Fume Hood With Carbon Filter is designed with a specialized carbon filtration system. It continuously draws contaminated air from the workspace. The dirty air is sucked through the rear wall of the workspace, pushed through the carbon filter, which absorbs all the contaminants, and then releases clean air into the external environment.



SPECIFICATIONS

Model	HUYAir DFH-700	HUYAir DFH-900	HUYAir DFH-1200	HUYAir DFH-1500
External dimensions (LxWxH)	L700 x W750 x H1200 mm	L900 x W750 x H1200 mm	L1200 x W750 x H1200 mm	L1500 x W750 x H1200 mm
Internal dimensions (LxWxH)	L600 x W540 x H600 mm	L800 x W540 x H600 mm	L1100 x W540 x H600 mm	L1400 x W540 x H600 mm
External dimensions with Support stand (LxWxH)	L700 x W750 x H1920 mm	L900 x W750 x H1920 mm	L1200 x W750 x H1920 mm	L1500 x W750 x H1920 mm
Air flow velocity	0.5 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
Sink Accessories	Mini sink
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