



Catalogue

Epolab
Ductless Fume Hood



LH LEE HUNG

Established Since 1983.

Your Premier Scientific Source

About Ductless Fume Hoods

Our Ductless fume hoods are available in three standard sizes of cabinet. This ensures that there is a model available to suit the requirement of almost any laboratory. Should the size not be exactly as required. Then we can produce a model to your own specifications.

Each cabinet is provided with either a '**Analog** with gauge or **Digital** display c/w alarm " fume monitoring system depending on individual requirement.

The extra tall fixed height apertures used in the Ductless range guarantee that the maximum recommended sash height will not be exceeded. The apertures designed into Ductless offer up to 40% greater height than previous models. Extra filters can be installed such as outlet carbon safety filters for extra safety or outlet HEPA filters for removal of particulate as small as 0.3 microns. The outlet HEPA filter is especially useful as it enable the cabinets to be used in a clean room environment where no dust or particulate must be allowed to enter the working area.

Hepa Filter : EN1822-4/IES RP CC-001.3

Carbon Filter : ASHRAE 52.1-1992 Dust Spot Efficiency = 25-35% EN779 Filter Grade: G4 CTC Activity: >60%



HEPA Filter

Application: Final or return filtration for clean rooms with turbulent flow

Type: High efficiency filter panel with seal for mechanical clamping mounting systems

Frame: Extruded and anodized aluminum

Gasket: Endless polyurethane at inlet

Media: Glass fibre

Separator: Hot-melt beads

Sealant: Polyurethane

EN 1822:2009 filter class: H13, H14, U15

MPPS efficiency: H13: $\geq 99.95\%$, H14: $\geq 99.995\%$, U15: $\geq 99.9995\%$

Recommended final pressure drop: 500 Pa

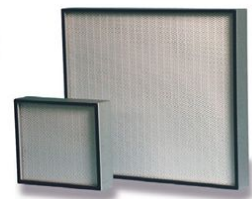
Temperature: 70°C maximum in continuous service

Test: 100% individually tested according to EN 1822

Fire rating: UL 900

Advantages

- Low pressure drop
- Double faceguard
- Individually tested according to EN 1822
- Guaranteed performance
- Laminarity better than $\pm 20\%$
- Compliant with ProSafe Program



Carbon Filter

Application: Absorption of odours and gases in air conditioning applications

Type: Loose fill absorbent panels

Media: Activated carbon, Impregnated Activated Carbon, Activated Alumina

Temperature: 40°C maximum in continuous service

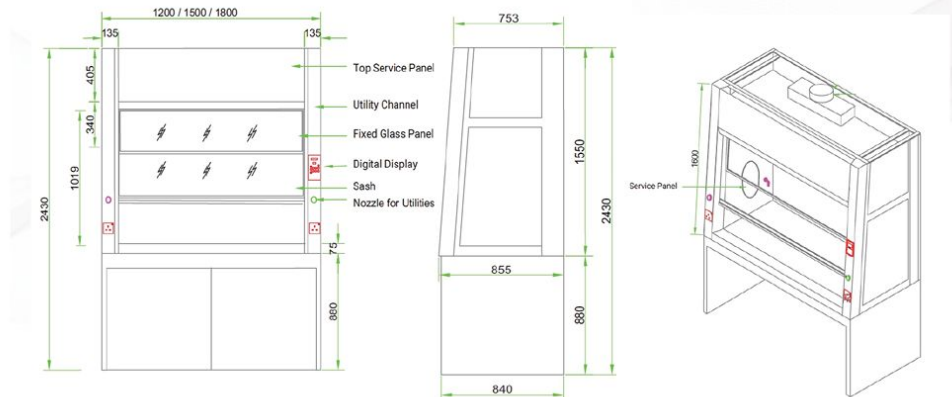
Recommended relative humidity: 30 - 70%

Advantages

- High Performance
- Suitable for a wide range of air volumes



Epolab Ductless Fume Hood



Specifications

Specifications		Epolab Ductless Fume Hood											
		EFH-1200DLA		EFH-1200DLD		EFH-1500DLA		EFH-1500DLD		EFH-1800DLA		EFH-1800DLD	
Nominal Size (ft)		4'				5'				6'			
External Dimension (L x D x H, mm)		1200 x 860 x 2450				1500 x 860 x 2450				1800 x 860 x 2450			
Internal Dimension (L x D x H, mm)		900 x 645 x 1100				1200 x 645 x 1100				1500 x 645 x 1100			
Body Construction	External Material		Baked Epoxy EG Steel										
	Internal Material		Phenolic Resin										
	Worktop		25mm Epoxy Top with Marine Edge										
Base Stand		Option: [1] Swing Door; or [2] Steel Panel Frame											
Sash Specifications	Material		Laminated and Framed Sash Glass										
	Configuration		Vertical										
	Slopping		4° slope										
	Opening		500mm										
Main Filter (HEPA) Size (mm)		[914 x 305 x 66] x 1 nos				[914 x 305 x 66] x 1 nos				[610 x 305 x 66] x 2 nos			
Outlet HEPA Filter Efficiency		99.99% at 0.3um											
Carbon Filter Size (mm)		[457 x 305 x 44] x 2 nos				[457 x 305 x 44] x 2 nos				[610 x 305 x 44] x 2 nos			
Pre-Filter Efficiency		95% to 0.7pm											
Fan (240V 50Hz)		1 x Centrifugal											
		High Performance to IP 44											
Controller		Option: [1] Rocket Switch Controller (DLA model) ; or [2] Digital Monitor Controller (DLD model)											
Light Intensity (lux)		894				1115				1200			
Certification		EN 14175											
Net Weight (kg)		155				215				235			

Optional Accessories

Digital Monitor (For DL Models)



Measures and monitors the “face velocity” inside a fume hood. The system will generate an alarm if the face velocity drops lower than the low alarm point or rises higher than the high alarm point.

Utilities



PP cup sink



Water or gas services wall mounted outlet with detachable nozzle

Base Stand



EG steel c/w 2 swing door type



'U' shape support EG steel