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: ≥ 99.95%, H14: ≥99.995%, U15: ≥99.9995%
Recommended final pressure drop: 500 Pa
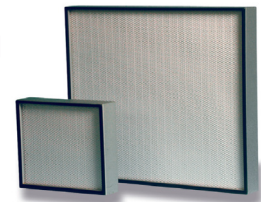**Temperature:** 70ºC maximum in continuous service
Test: 100% individually tested according to EN 1822
Fire rating: UL 900

Advantages
• Low pressure drop
• Double faceguard
• Individually tested according to EN 1822
• Guaranteed performance
• Laminarity better than +/- 20%
• Compliant with ProSafe Program

Carbon Filter

Application: Absorption of odours and gases in air conditioning applications
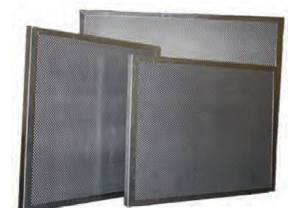**Type:** Loose fill absorbent panels
Media: Activated carbon, Impregnated Activated Carbon, Activated Alumina
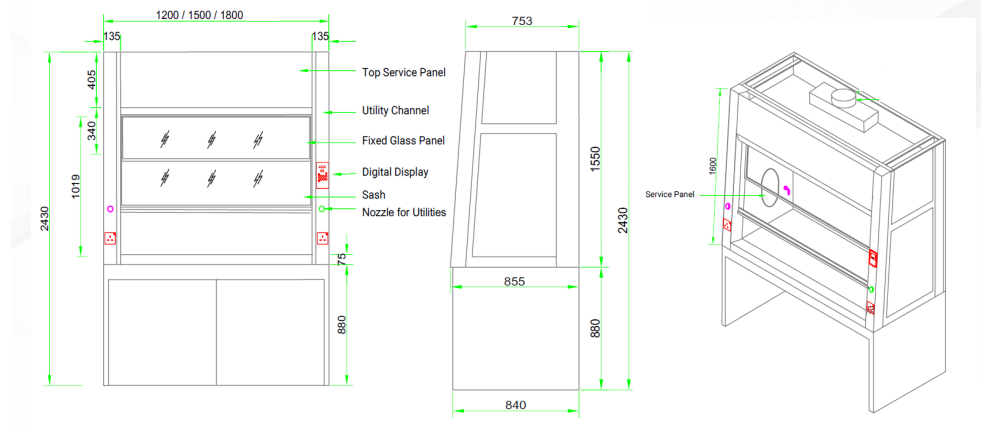**Temperature:** 40ºC maximum in continuous service
Recommended relative humidity: 30 - 70%

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