



## Laboratory Fume Hood (Fume Hood with Cupboard)

ULS Laboratory Fume Hood Stations are available in various sizes and dimensions to meet specific requirements of your research. These fume hoods have a choice of vertical or horizontal sliding sash and MS or stainless steel construction. The standard sizes of our fume hoods are available in most demanded requirements (4ft, 5 ft, 6 ft & 8 ft).



Often these fume hoods are known as chemical fume hood, these Fume Hoods also dilute effect on flammable gases and vapours. Our product range includes general purpose fume hoods, ductless fume hoods, and mobile units; designed with number of optional features and specifications required to meet critical challenges in laboratory research areas worldwide.

### Product Characteristics:

- **Construction:** Our fume hoods come with double wall construction made of Epoxy Coated Mild Steel or Stainless Steel as required by customer. It is ensured that the exterior is matched with the base unit. The inner walls and baffles are made of moulded reinforced thermoset epoxy resins that meet or exceed NFPA 45 standard on Fire protection for laboratories using chemicals. The jambs are radiused and aerodynamically designed to reduce the turbulence as the air enters the hood. The construction materials of our fume hoods are used as mild steel, type 304 or 316 stainless steel (Epoxy Coated).
- **Sashes:** Our standard models of fume hoods are generally equipped with vertical sashes but as required horizontal sashes can be fixed. The sliding sash of fume hoods rides in 18 gage type 316 stainless steel stainless steel sash guides. Tempered safety glass is used as standard.
- **Controls:** Our fume hoods are equipped with easy to use controls which are fixed outside the working area in order to provide convenient working environment. These fume hoods have start / stop switches for whole the unit and a light on / off switch.
- **Lighting:** Our fume hoods are supplied with fluorescent bulb shielded from the hood interior by laminated safety glass or tempered glass panel. The bulb is operated by a on / off switch and bulb changing process is done from the hood exterior without major disassembly of the unit.
- **Alarm:** Our fume hoods are equipped with highly reliable audio / visual alarm device capable enough of detecting a drop or rise in airflow (no static pressure) through the hood unit. If the fume hood exhausts volume falls below a preset exhaust level, the alarm will alert the operator by sound and visual sign. The monitor also uses dual theristor or dual diode sensing system to measure the velocity. The sensor in fume hoods is mounted in a flow tube placed on either side wall or front face of the fume hood. Local Audible and visual alarms have capabilities for remote monitoring hook up. These fume hoods are designed in both **ducted and ductless pattern**.

# Fume Hood



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LAB SOLUTIONS**  
"The Complete Laboratory Solution"

## Laboratory Fume Hood

Working Size (ft.)	4' x 2' x 2'	5' x 2' x 2'	6' x 2' x 2'	7' x 3' x 3'	8' x 3' x 3'
MOC	CRCA 18G Epoxy Powder Coated				
Stand	Granite M.S Pipe (18G) Powder coated				
Working Platform Top	Black Granite, SS304 or M.S Powder Coated Sheet Covered with P.P Sheet				
Exhaust System	Motor Blower Assembly Covered with G.I Sheet				
Door / Sash	Door vertical Folding Type				
Operating Temp.	300 °C				
Air Flow	1800 Cubic metre/hr				
Air Velocity	≥0.5m/s				
Noise Level	65dBA				
Glass Window	Two layer toughen glass, 5mm thickness, Motor Control, height adjustable				
Make-up Air	Air needed to replace the air exhausted from a room by the fume hood and other ventilation devices				
Face Velocity	The velocity of the air passing through the work opening of the fume hood measured in the plane of the sash. Measured in feet per minute (fpm), or liters per minute.				
Type of Blower	Centrifugal Blower				
Availability Of Sink	Yes (SS or PP)				
Base Cabinets	Yes, H Frame Type,				
Material Of Base Cabinet	GI epoxy powder coated				
No. of Shutters	04/06/08 Nos As per size				
No. of Shelves In Base Storage Units	02/03/04/05/06Nos As per size				
Suitable For	Type of Fumes- Chemical Fumes, Hazardous Gases				
Electrical Fittings	Electrical Sockets & MCB Switch for safety				
Illumination	Fluorescent Lamp or UV Lamp				
Power Supply	AC220±10V, 50/60Hz				
Utility Pipeline	Utility Pipelines For Nitrogen, Compressed Air & Water Etc.				
Electrical Outlets	Electrical switch with socket				
Standard Accessories	Utility Valves and mains power socket (5/15A)				
Ducting Material	PP, FRP				
Material Of Insulation	FRP				
Optional Accessories	<ul style="list-style-type: none"> <li>○ HEPA Filter</li> <li>○ Caster wheels</li> <li>○ Horizontal sash</li> <li>○ SS 314 / SS 316 MOC</li> <li>○ Temperature indicator</li> <li>○ Face Velocity Meter</li> <li>○ Airflow Indicator</li> <li>○ Audio / Visual alarm</li> </ul>				



Stainless Steel Casters



Telescoping Base Stand



Magnehelic Gauge



Thermal Anemometer



Service Fixtures