

FUME HOOD



Descriptions:

Fume Hood is an enclosure which is used to remove fumes and air borne particles at the contamination source. It is a kind of fume ventilation system which prime work is to remove smoke, dust mist and chemical fumes and restrict their entry into laboratory environment. A laboratory fume hood comprises of metallic sheet enclosure, steel or marble stone work bench, service fixture and electrical points. For fume exhaust, heavy duty blowers are fitted and remotely connected to the duct. Fume hood systems meet ASHRAE standards and can withstand any type of acid exposure. Standard units are made in 2ft, 4ft, 5ft, 6ft and 8ft width with variety of construction options as mentioned below. We also design laboratory fume hoods for Hydrofluoric and per chloric acids on demand.



Working Chamber

Inner working chamber or area is the most important part of fume hood which remains in direct contact of fumes, acids and different types of chemicals. We make inner chamber walls of stainless steel (304 / 316) which is further coated with FRP layer if needed. The standard sizes of chamber are 2ft, 3ft, 4ft, 5ft, 6ft and 8ft etc.

External Surface

These cabinets are ergonomically designed to provide long service life. Only thick metal sheets and pipes are used in construction so that you may get the finest and safest fume hood. There are three different MOC used.

- Complete Stainless Steel 304
- Galvanized Mild Steel Powder Coated
- Stainless Steel 316

Service Valves

As per user requirement, service valves can be customized for wet and dry service i.e raw water, nitrogen gas, air etc.

Electrical Utilities

As per user requirement, 2 or 4 or 6 electrical sockets can be fitted with the fume hood 6A/15A connections.

Sash

Glass window mechanism with counter balanced weight is used for up and down movement of door. Sash track is a system made of weights and a pulley. Operator can easily move sash up or down and keep at desired height during work.

Chemical Storage Cabinet

Ventilated cabinets are provided for chemical storage at the bottom in multiple formats. Lockable wheels are also provided for users on demand.



Certifications

Our fume hoods are designed in accordance with required as ASHRAE110 - 1995 and EN-14175- 2003.

Technical Specifications:

Inner chamber	SS 304 / 316
Exterior	Power coated MS / Stainless Steel / GI
Work top	SS 304 / Jet black granite
Illumination	Fluorescent tube light
Blower	Centrifugal exhaust blower (direct drive motor)
Standard fittings	Water tap Sink with drainage system Electrical sockets
Optional	FRP coating on inner walls Air foil Scrubber system Storage cabinet Caster wheels w/ brake Wet & dry service valves Certification (ASHRAE110- 1995 / EN-14175- 2003) Air Flow Monitor Temperature indicator IQ/OQ/PQ

Standard Size/ Dimension

HBS-222FH	2" X 2" X 2"	610 x 610 x 610
HBS-322FH	3" X 2" X 2"	914 x 610 x 610
HBS-422FH	4" X 2" X 2"	1219 x 610 x 610
HBS-522FH	5" X 2" X 2"	1524 x 610 x 610
HBS-622FH	6" X 2" X 2"	1829 x 610 x 610