

# LABORATORY FUME HOOD



**CONTACT US**

[info@igenels.com](mailto:info@igenels.com)  
[www.igenels.com](http://www.igenels.com)

## ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.

## DESCRIPTION

The Fume Hood is an enclosure designed to eliminate fumes and airborne particles directly at the source of contamination. It functions as a specialized ventilation system, effectively removing smoke, dust, mist, and chemical fumes while preventing them from entering the laboratory environment.

iGene Labserve fume hood systems are built to comply with ASHRAE standards and are resistant to all types of acid exposure. Additionally, we offer customized designs for laboratory fume hoods suited for Hydrofluoric and Perchloric acid applications upon request.

## WORKING CHAMBER

The inner working chamber of a fume hood is the most critical component, as it is directly exposed to fumes, acids, and various chemicals. At iGene Labserve, we construct the inner chamber walls from high-grade stainless steel (304/316), with an optional FRP coating for enhanced protection if required.

## EXTERNAL SURFACE

These cabinets are ergonomically engineered for durability and long-lasting performance. Constructed using only high-quality, thick metal sheets and pipes, they ensure the highest level of safety and reliability. We offer three material options for construction:

- Complete Stainless Steel 304
- Galvanized Mild Steel with Powder Coating
- Stainless Steel 316

## SERVICE VALVES

Service valves can be customized to meet user requirements for both wet and dry services, such as raw water, nitrogen gas, air, and more.



SERVICE VALVES

## ELECTRICAL UTILITIES

Electrical sockets can be configured based on user requirements, with options for 2, 4, or 6 sockets, available in 6A or 15A connections.



ELECTRICAL UTILITIES

## SASH

The glass window features a counter-balanced mechanism for smooth up and down movement of the sash. The sash track system, consisting of weights and a pulley, allows the operator to easily adjust the sash to the desired height during operation.



WATER TAP & SINK WITH DRAINAGE SYSTEM

## CHEMICAL STORAGE CABINET

Ventilated cabinets for chemical storage are available at the base in various configurations. Lockable wheels can also be added upon request for enhanced mobility.



CHEMICAL STORAGE CABINET

## CERTIFICATIONS

Our fume hoods are designed to meet key quality standards, including ASHRAE 110-1995 and EN 14175-2003. Additionally, we offer custom-designed fume hoods tailored to the specific size of the laboratory and individual user requirements.

## SPECIFICATIONS

MODEL	IG-FH SERIES
INNER CHAMBER	SS 304 / 316/FRP COATING/PHENOLIC RESIN
EXTERIOR	Powder coated MS / Stainless Steel /GI
WORK TOP	SS 304 /Jet black granite
BLOWER	Centrifugal exhaust blower (direct drive motor)
STANDARD FITTINGS	Water tap, sink with drainage system, electrical sockets, storage cabinet, caster wheels with brake, wet & dry service valves and Canopy ventilation
OPTIONAL	<ul style="list-style-type: none"> <li>• FRP coating on inner walls</li> <li>• Airfoil</li> <li>• Scrubber system</li> <li>• Certification (ASHRAE110- 1995 / EN-14175-2003) Air</li> <li>• Temperature indicator</li> <li>• Flow Monitor</li> <li>• IQ/OQ/PQ</li> </ul>

## STANDARD SIZE/DIMENSION

Model	Dimensions (ft)	Internal dimensions (mm)	External dimensions (mm)
IG-222FH	2 x 2 x 4	610 x 712 x 1200 mm	915 x 975 x 2435
IG-322FH	3 x 2 x 4	914 x 712 x 1200 mm	1220 x 975 x 2435
IG-422FH	4 x 2 x 4	1219 x 712 x 1200 mm	1500 x 975 x 2435
IG-522FH	5 x 2 x 4	1524 x 712 x 1200 mm	1800 x 975 x 2435
IG-622FH	6 x 2 x 4	1829 x 712 x 1200 mm	2100 x 975 x 2435



**iGENE LABSERVE®**  
Innovative • Interactive • Intuitive



## CONNECT WITH US.

### ADDRESS

16/2, BLOCK 16, ASHOK NAGAR,  
NEW DELHI-110018

### TELEPHONE

+91 11 79613060

### EMAIL

info@igenels.com

### WEBSITE

<https://www.igenels.com>



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