

FUME HOOD

FU-8712



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

►► Size in Details

OUTER AREA

L= 915 mm (3fitt) X D= 762 mm X H= 2400 mm

L= 1200 mm (4fitt) X D= 762 mm X H= 2400 mm

L= 1500 mm (5fitt) X D= 762 mm X H= 2400 mm

L= 1800 mm (6fitt) X D= 762 mm X H= 2400 mm

INNER AREA (WORKING AREA)

L= 610mm X D = 625 mm X H= 1150 mm

L= 915 mm X D = 625 mm X H= 1150 mm

L= 1200mm X D = 625 mm X H= 1150mm

L= 1500mm X D = 625 mm X H= 1150mm

STORAGE

L= 915 mm X D= 600 mm X H=700 mm

L= 1200 mm X D= 600 mm X H= 700 mm

L= 1500 mm X D= 600 mm X H= 700 mm

L=15800 mm X D= 600 mm X H= 700mm

No	Specification	Description
1	Design Structure	Aerodynamic, Floormounted
2	Inside Fume Hood Interior	Laminate & PP (Polypropylene)
3	Door Opening	30 inch
4	Air flow Type	Low Constant Volume (for A.C. environment)
5	Type of Fume Suitable	Class II
6	Construction (Exterior)	Anti-corrosive Powder coated Pre-treated with 8 tank chemical processes and powder coated with highly chemical resistant epoxy Colors having dry film thickness of 70 to 80 microns. Passes all conformity performance tests as per IS standards. Also in SS304 and SS316
7	Construction (Interior)	Chemical (especially strong acid like H ₂ SO ₄ and HNO ₃) resistant & Heat Resistant, Fire Retardant, Smooth Finish, Easily Cleanable Panels.

7	Front Top Panel	Easily open able hinged Top Panel for easy access to Flow Control Valve and Electrical Lighting fixtures formaintenance.
8	Worktop	Chemical resistant splash & spillage proof. Made by Jet Black granite (2 cm thickness)
9	Water tap with drain Arrangement	Will have oval/round shaped 100mm X200mm sink for drainage with water tap.
10	Sash (Shutter)	Vertical rising counter-balanced sash. Toughened Float Glass sash (6 mm thick).Clear operable height=700mm.Fail safe device-Shutter fail-safelocking arrangement to prevent sudden breakdown of shutter.
11	Wet & Dry Service fittings	Remotely operated Color coded Brass NeedleValves for fine control over utilities total 4 nos. service valves with PU plumbing with 6mm internal dia, withstands up to 5kg pressure. 1 For Rawwater 1 For Gas 1 For Vacuum 1 For Compressed Air
12	Lighting	Fluorescent light (40 watt,1Nos.) with vapour-proof fitting for proper illumination.
13	Electrical Utilities	Two nos. electrical sockets (230V, 6/16A, 50Hz) and switch. Light switch on front facia.Cables &wires. Fire Retardant"grade. On right hand side
14	Cable entering port	For easy access of cables from fume hood to electrical sockets.
15	Chemical Storage Base Cabinet	Internal special chemical resistant material lining to the cabinetwalls Two exhaust ports connected to the fume hood exhaust system internally. Complete powder coated Rigid structure to support Fumehood. One removable horizontal partition to store chemicals.Double skin hinged doors with hinges made of Polyamide for Chemical resistance and hassle free operations in the corrosive lab atmosphere. PP Trays for chemical storage Fully operable back panels for service line access

16	Apparatus Holding Grid	A grid made up of MS Powder coated rod(Dia.12.7mm) to hold the apparatus. It will cover the entire length of the fume hood and will be built-in at fume hood backside. Installed at the distance of 150 mm from backside of fume hood.
17	Level adjusting screws	Made of P P Bolts to adjust the fume hood level by ± 10 mm
18	Centrifugal Blower	Silent PP+FRP high efficiency remote blower, consisting of continuous rating motor and chemical resistant impeller. All impellers are dynamically balanced. The capacity of the blower is approx. 1000 CFM, the impeller is fixed 1 HP 1phase 1440 RPM Motor. (As per requirement)
19	Ducting	Chemical resistant PP 2.5 Kg rigid & flexible ductwork from Fume hood to exhaust stack point with weatherproof canopy. Total ducting with horizontal, vertical members, flanges, bends, bracketed supports and gooseneck exhaust stack. Duct dia.177mm
20	Air Suction Capacity	600 CFM confirming to international face velocity norms and as per safe fume hood air flow pattern.
21	Construction	SISW type, chemical & heat resistant PP + FRP blower with aerodynamically balanced PP impeller, with drain plug.
22	Noise Level	<70 db at 1meter from fume hood.
23	Installation	It will be carried out by our skilled team with ductwork design, fitting, fixing of blower, commissioning & testing of the same at a fixed extra cost.
24	Testing	All fume hoods are "factory tested" Also, "Onsite Validation" will be carried out to ensure working of fume hood as per international norms. "tracer gas containment testing" can be carried out only in our factory at extra cost.

▶▶ **HPLC Servicing, Validation, Trainings and Preventive Maintenance :**

- HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.
- Trainings :We also take up preventive maintenance to reduce downtime of HPLC’s Trainings.
- AMC’s/CMC : We offer user training both in-House and at customer sites on PLC principles, operations, troubleshooting.
- Validations : We have protocols for carrying out periodic Validations as per GLP/ GMP/U SFDA norms.
- Instruments : We offer instruments/Renting Services Modules like pumps, detector etc. on Rent.



▶▶ **About Analytical Technologies**

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

▶▶ **Our Products & Technologies**

						
UV/VIS Spectro 2080+ Double Beam	Infra FTIR	Optima Gas Chromatograph 3007	Optima Gas Chromatograph 2979 Plus	Flash Chromatograph	Atomic Absorption Spectrophotometer	Liquid Partical Counter
						
Optical Emission Spectrophotometer	DSC/TGA	Semi Auto Bio Chemistry Analyzer	HEMA 2062 Hematology Analyzer	Micro Plate Reader/Washer	URINOVA 2800 Urine Analyzer	Total Organic Carbon 3800
						
Fully Automated CLIA	NOVA-2100 Chemistry Analyzer	PCR/Gradient PCR/ RTPCR	TOC Analyzer	Laser Particle Size Analyzer	Ion Chromatograph	Water purification system

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

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Analytical Foundation

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2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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