



ADVANCE TECHNOLOGIES EFFECTIVE SOLUTION

LABORATORY FUMEHOOD





WHAT WE DO?

Mehrotra Biotech Pvt Ltd has been established with an aim to contribute to the enhancement of medical-hospital, pharmaceutical, biotechnological, and general laboratory services through the provision of high-quality innovative solutions, ensuring an improved quality of life and well-being for society at large.

Our primary objective is to deliver customized solutions that precisely align with the unique requirements of our customers. To achieve this, our dedicated functions including engineering, R&D, manufacturing, and customer service are focused on each technology within Mehrotra Biotech's area of expertise:

- We offer solutions and equipment for clean air technology, encompassing both horizontal and vertical laminar flow cabinets, biological safety cabinets, and laminar flow systems.
- Our portfolio includes solutions and equipment for advanced sterilization utilizing Autoclaves, Ovens, and incubators.
- We specialize in solutions and equipment employing biological containment technology, such as containment isolators and sterile isolators.
- Additionally, we provide solutions and equipment utilizing freeze drying and vacuum drying technology, ranging from laboratory freeze dryers to GMP freeze dryers.

By offering these comprehensive solutions, we aim to continually improve and advance the various sectors we serve, ensuring the highest standards of quality, safety, and efficiency in medical and laboratory practices.

“Our aim is to provide tailor-made solutions in strict accordance



OUR MISSION

Our mission is to empower individuals and communities through innovative solutions and exceptional service. We are committed to providing high-quality products and services that address the needs of our customers and contribute to advancements in scientific and medical research. Guided by our core values of integrity, collaboration, and social responsibility, we strive to make a positive impact on society, while prioritizing environmental sustainability and community healthcare. Through our dedication to excellence and the expertise of our team, we aim to be a trusted partner in shaping a healthier and more prosperous future for all.

OUR VISION

Our vision is to be a leading innovator and catalyst for positive change, creating solutions that transform lives and shape a better future. With a commitment to excellence, creativity, and social impact, we strive to revolutionize Biomedical research & Pharmaceutical industry through cut-edge design, forward-thinking strategies, and meaningful collaborations.

Step into a world of uncompromising safety with Mehrotra Biotech. Our ducted fume hoods are designed to exceed industry standards, providing unmatched protection for laboratory personnel. Trust in our expertise to elevate your research environment

Our ducted fume hoods are engineered with precision and expertise, incorporating state-of-the-art design principles to ensure optimal containment of hazardous fumes, vapors, and particulates. Whether you're conducting chemical experiments, pharmaceutical research, or industrial testing, our fume hoods offer unparalleled protection and efficiency.

At Mehrotra Biotech, we understand the critical importance of maintaining a safe and productive laboratory environment. That's why each of our ducted fume hoods undergoes rigorous testing and quality assurance measures to guarantee compliance with the highest industry standards.

FEATURES

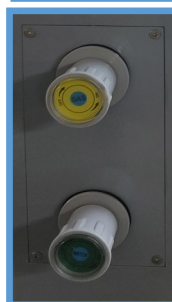
Experience unmatched performance and reliability with our meticulously engineered ducted fume hood, tailored to meet the demanding needs of modern laboratories.

- 1. Advanced Baffle System:** Our ducted fume hood boasts a cutting-edge baffle system that ensures uniform airflow distribution, maximizing containment efficiency and minimizing turbulence during experiments.
- 2. Chemical Resistant Lining:** Crafted with premium-grade materials, our fume hood's interior is structured with a chemical-resistant lining, offering unparalleled protection against corrosive substances and extending the lifespan of the equipment.
- 3. Durable Granite Worktop:** The fume hood is equipped with a durable granite worktop, providing a robust and resilient surface for conducting experiments. Its non-porous nature ensures easy cleaning and maintenance, ideal for rigorous laboratory use.
- 4. Laboratory Grade Accessories:** We provide laboratory-grade accessories including taps, sinks, and nozzles, meticulously designed to meet the highest standards of quality and functionality. These accessories facilitate smooth workflow and enhance user convenience.
- 5. External Power Sockets:** To accommodate various laboratory instruments and equipment, our fume hood features strategically placed external power sockets, providing convenient access to electricity without compromising safety.
- 6. Digital Microprocessor Controller:** With an integrated digital microprocessor controller, our fume hood offers precise control over airflow velocity, sash position, and other essential parameters. This intuitive interface ensures effortless operation and allows for customizable settings to suit specific experimental requirements.
- 7. Enhanced Safety Features:** In addition to its advanced functionality, our fume hood is equipped with enhanced safety features such as audible alarms, sash sensors, and emergency shut-off mechanisms, providing an extra layer of protection for laboratory personnel.
- 8. Energy Efficiency:** Designed with energy efficiency in mind, our fume hood utilizes state-of-the-art technology to optimize airflow patterns and reduce power consumption, contributing to sustainability efforts and cost savings over time.



Advanced Baffle System ensures uniform airflow distribution, maximizing containment efficiency and minimizing turbulence during experiments.

Chemical Resistant Inner Lining to ensure long term resistivity with corrosive substances.



Laboratory Grade Accessories



Customizable Configurations: We offer customizable configurations to meet the specific requirements of different laboratory settings. Whether it's size, airflow capacity, or additional accessories, our fume hoods can be tailored to suit individual needs.

TECHNICAL SPECIFICATIONS

Model Type	Ducted Fumehood
MoC(Inner/Outer)	Chemical Resistant inner Lining/ Mild steel with epoxy coating
Controller	Manual Switch Operation/ Digital Controller
External Blower	Single phase or Three Phase As per ducting length
Power Rating	230V, 15A
Noise Level	<58dB
Air Flow Velocity	Preset at 0.51m/s
Illumination	LED Fluorescent Lamp
Standard Accessories	Gas Valve, Vacuum & Water Tap, Sink, Electrical Outlets, Granite Worktop, Stand, PVC Ducting upto 10ft
Optional	Storage Cabinet, Additional Valve & Electrical Outlets, Digital Microprocessor Controller

DUCTLESS FUMEHOOD

Mehrotra Biotech make Ductless Fume Filtration Cabinets , latest in air filtration technology and clean room laboratory equipment's are perfect for wide variety of applications. Provides the user a secured work space for the repetitive manipulations of small chemicals quantities. The dangerous vapours are confined in the enclosure, then cleaned while entering the active charcoal filter/activated carbon filter.

Ductless fume hoods offer several features that make it advantageous for various laboratory settings. Here are some of the features commonly found in ductless fume hoods:

Portable Design: Mehrotra Biotech's ductless fume hood is designed to be portable, allowing for easy relocation within a laboratory or between different facilities.

No Need for External Ducting: Our ductless fume hood eliminates the need for external ducting, providing flexibility in placement within a laboratory setting.

Advanced Carbon Filtration System: Equipped with an advanced carbon filtration system, Mehrotra Biotech's ductless fume hood effectively captures and neutralizes a wide range of harmful fumes and vapors.

HEPA Filtration: In addition to carbon filters, our fume hood has customization to include HEPA filtration to remove particulate matter and ensure clean air within the hood.

Variable Fan Speed Control: The ductless fume hood features variable fan speed control, allowing users to adjust airflow rates for optimal containment and filtration efficiency.

Alarm Systems: Integrated alarm systems alert users to issues such as filter saturation, airflow disruptions, or other safety concerns, ensuring a safe working environment.

Easy Maintenance: Designed for easy maintenance, our fume hood features accessible filter compartments and straightforward replacement procedures to minimize downtime and ensure consistent performance.

CARBON CODE	FILTER SPECIFICATION
AC	General Organic Compounds (Iodine, Solvents, odours, etc)
ACID	Acidic Compounds (and general purpose organics)
ACR	Alkali Compounds (and general purpose organics)
AMM	Ammonia & Amine Compounds (and general purpose organics)
CYN	Cyanide Compounds (and general purpose organics)
ETHER	Ether Compounds (and general purpose organics)
FORM	Aldehydes (and general purpose organics)
SUL	Sulphur Compounds (and general purpose organics)
MCH	Special Blend of upto 4 of the above carbon types
ED	Tri Layered Filter for schools (Organic, acid & alkali)

Customization Options: Mehrotra Biotech offers customization options to tailor the ductless fume hood’s specifications to meet the specific requirements of our customers, including size, filtration capabilities, and additional features.

Compliance with Safety Standards: Manufactured to comply with relevant safety standards and regulations, Mehrotra Biotech’s ductless fume hood provides effective containment and protection for laboratory personnel and the environment.



TECHNICAL SPECIFICATIONS

Model Type	Ductless Fumehood
MoC (Inner/Outer)	SS304 or Chemical Resistant (PVC/Phenolic Resin) / Mild Steel with epoxy coated
Controller	Manual Switch Operation/ Digital Controller
Blower	Suitable configuration of AC/DC ECM blowers
Power Rating	230V, 15A
Noise Level	<58dB
Primary Filter	Activated Carbon Filter
Air Flow Velocity	Preset at 0.51m/s
Illumination	LED Fluorescent Lamp
Standard Accessories	Gas Valve, Water Tap, Sink, Electrical Outlets, Granite Worktop, Stand
Optional	Storage Cabinet, Additional Valve & Electrical Outlets, Digital Microprocessor Controller



Mehrotra Biotech Pvt. Ltd.





M&M TOWER B-22 23, VIBHUTI KHAND, GOMTI NAGAR, LUCKNOW- 226010

Tel + 91 522- 2720663, 9838203520

E-mail: sales@mehrotrabiotech.com, service@mehrotrabiotech.com.

Website: www.mehrotrabiotech.com

OUR BRANCH OFFICES

LUCKNOW  9335954424	DELHI  8700206763	MUMBAI  9769173005	HYDERABAD  9838200109
BANGALORE  9838200109	KOLKATA  9335954424	AHMEDABAD  9769173005	

