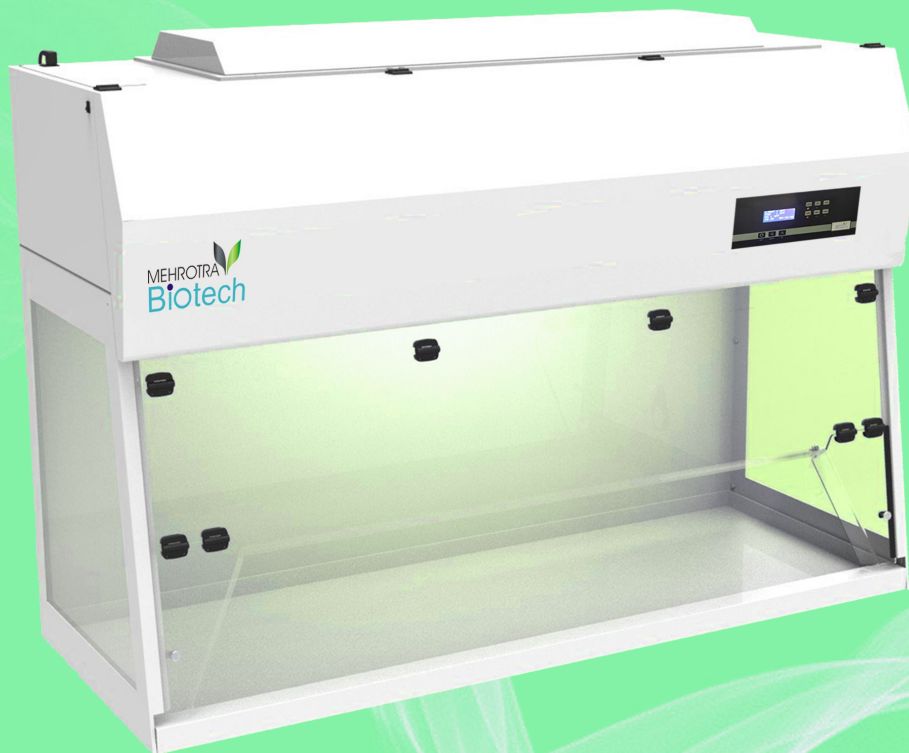


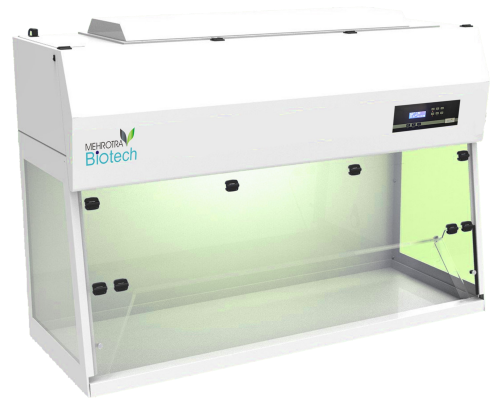
# **FUME FILTRATION CABINET**

**DFC SERIES**

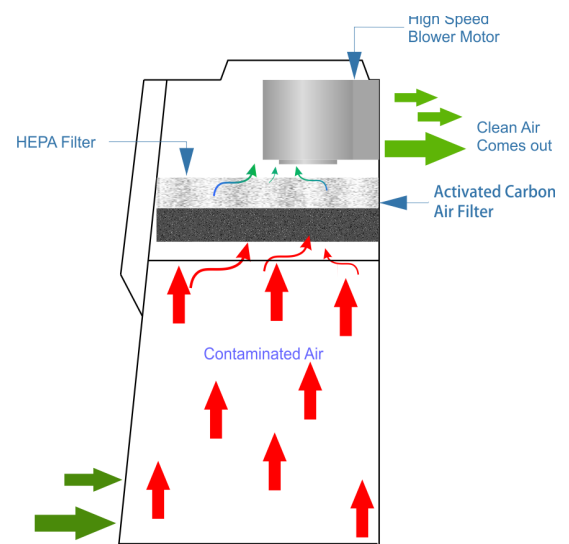


## DUCTLESS FUME FILTRATION CABINETS

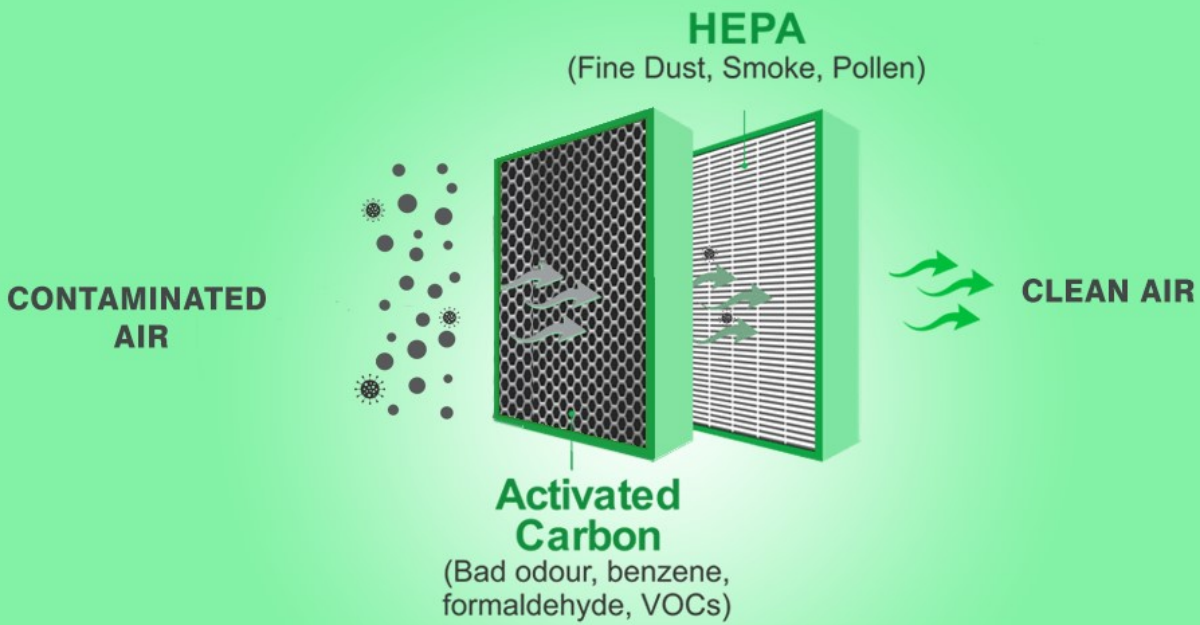
Mehrotra Biotech make **Ductless Fume Filtration Cabinets DFC1200**, latest in air filtration technology and clean room laboratory equipment's are perfect for wide variety of applications. DFC1200 provides the user a secured work space for the repetitive manipulations of small chemicals quantities. The dangerous vapours are confined in the enclosure, then cleaned while entering the active charcoal filter/activated carbon filter. Optionally, a Hepa Filter may be specified that provides containment particulate to 0.3µm. Finally, dangerous vapors are rejected in the atmosphere without danger for the environment. Thus, the user's health is protected.



It offers a solution to operation that are conscious in many levels - **environmental, energy conserving and economic focused**. Representing DESIGN and ENGINEERING INNOVATIONS that are at the forefront of fume hood technology providing superior containment of toxic chemical fumes at broad range of face velocity and offering much needed work zone ergonomic benefits.



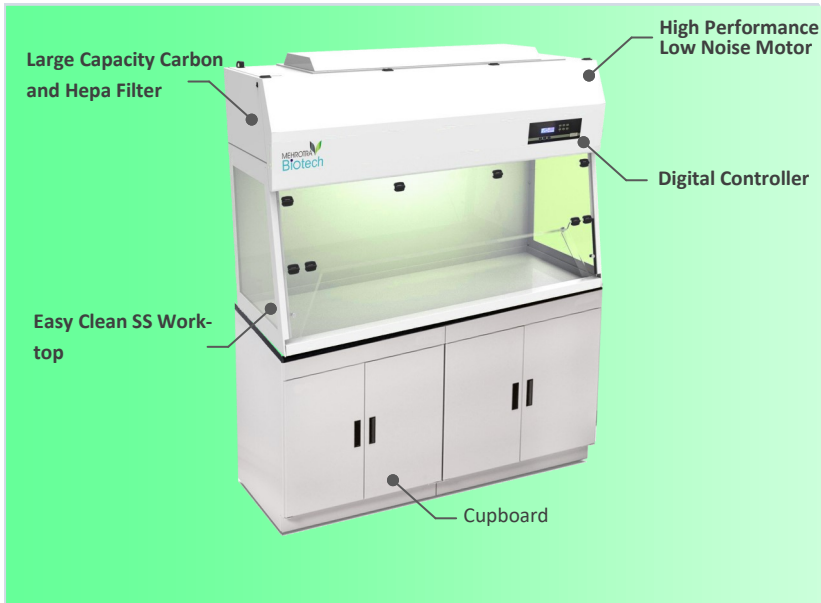
- It offers a **bypass air flow systems** which operates well even at low velocity
- **7 degree sloped front aperture** offers superior visibility and operator's comfort
- User friendly **microprocessor based control system** with 16x4 LCD display or 5x4 inch touch panel(optional)
- **Anti-corrosive stainless steel AISI304** worktop with screw less assembly & easy to remove feature to support easy cleaning.
- **Dual fluorescent lamp** for better illumination.



- We offer activated carbon filter which is an extremely porous black charcoal allowing the adsorption of molecules from chemicals.
- High degree of microporosity (less than 2 µm).
- Every active charcoal filter is provided with a double anti-dust filter to insure an optimal filtration quality.
- Variety of carbon filter options are available that are suitable for almost every application
- For multiple applications, we can blend 4 carbon filters together for a special filter-type MCH.
- For extra safety we can provide an optional HEPA filter to ensure 99.999% clean air is re-circulated within the room.

CARBON	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)

# FEATURES

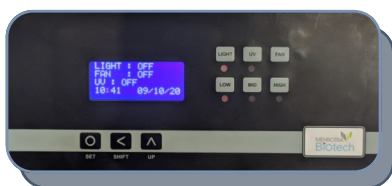
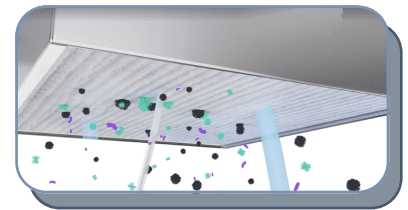


The **Mehrotra Biotech** make Ductless Fume Filtration cabinet features the latest air filtration technology with robust design and low power consumption high performance motor



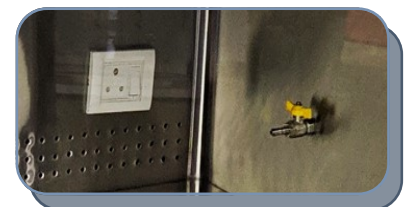
Large Capacity Activated Carbon Air Filter with variety of combinations as per user requirement.

Optional HEPA Filter to remove various pathogens, virus & bacteria.



Digital controller with 3 step fan speed regulator.

Service port for electrical power and liquid/gas hose with nozzle.



Silent Operation



Audio/visual Alert



Pin Code Access for settings

## SPECIFICATIONS

External Dimensions (WxDxH)	1379x753x1300mm
Controller	Microprocessor based controller with 16x4 LCD Display
Power Rating	230V, 15A
Noise Level	<58dB
Primary Filter	Activated Carbon Filter
Secondary Filter (Optional)	HEPA FILTER (efficiency 99.999%) @ 0.3µm
Air Flow Velocity	Preset at 0.51m/s
Illumination	LED Fluorescent Lamp

## OPTIONAL ACCESSORIES

- **Dual Electrical Port**
- **HEPA Filter**
- **Gas & Water External Service**
- **Cupboard for additional storage**
- **Sink**





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