



MAP FILTERS

INDIA PVT. LTD.



COMPLETE CLEANROOM SOLUTIONS

Specialisation in innovative Turnkey Solutions for Pharmaceutical, Biotechnology and Healthcare / Hospitals Segments.

www.mapfilters.com



VISION

Mapfil is committed to protect the environment for present and future generation with innovative solutions...

MISSION

Growth of Company, Employees and Associates by adopting Advanced Technology, Positive Attitude, Team Work and Innovative Approach.

GOAL

It is our goal to ensure our mission by continuous self-improvement, growth in our operations and employees; while maintaining profitability to the benefit of our customers, employees, and community.

Our Team will work together in combining their efforts and skills to ensure our mission and goals are fulfilled in a courteous manner.

ABOUT US

MAP FILTERS INDIA PVT. LTD. is a Global Engineering and Manufacturing Company.

Specialisation in innovative Turnkey Solutions for Pharmaceutical, Biotechnology and Healthcare / Hospitals Segments.

With over two decades of experience. We have grown into one of the leading Engineering and Construction Partners for Pharmaceutical and Allied Industries.

Over the years we have diversified from Designing and Construction of Clean rooms and Controlled environments for Pharmaceutical & Biotech Companies, into a Complete, Turnkey Solution Provider. Today our capabilities include In-House Design, Engineering, Construction & Manufacturing for Critical and Vital elements that go into setting up of a Speciality Manufacturing Facility.



OUR SPECIALISATION

AIR FILTERS

CLEANROOM EQUIPMENTS

CLEANROOM & LAB FURNITURE

MODULAR OPERATION THEATRE

CLEANROOM TURNKEY SOLUTION

APPLICATIONS



**Pharmaceutical
Industry**



**Chemical Research
laboratory**



**Electronic
Industry**



**Semi-Conductor
Production**



**Food Processing
Industry**



**Hospital
Segments**



Aeronautical



Energy Power Sector



Marine & Ship

AIR FILTERS

PRE-FILTER

PRE Filters are the first stage filtration installed in the AHU to prevent dust particle to pass through air. It has other applications in equipment like Laminar Air flows, Dispensing Booths & other air particle control system. Suitable for use as filter grade G1 to G4 of En779 and MERV 1 to 7 of ASHRAE 52.

We manufacture top class PRE FILTERS of standard & customized sizes.



FINE FILTER

Fine Filters or MICROVEE FILTERS are filters installed in the AHU to prevent dust particle to pass through air. Suitable for use as filter grade F5 to F9 of EN779 and MERV 8 to 15 of ASHRAE 52.

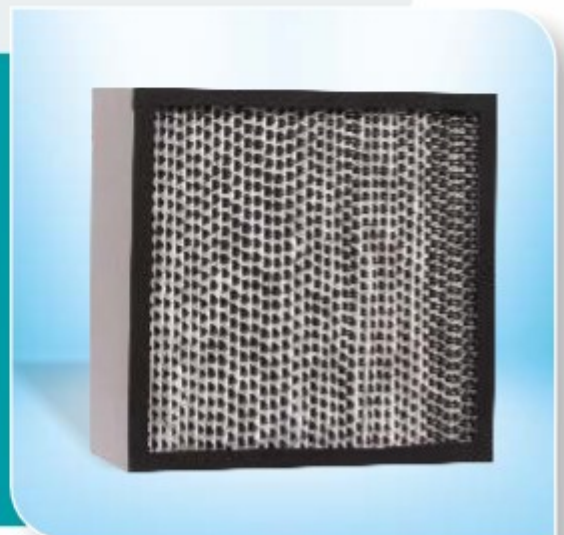
We manufacture top class FINE FILTERS of standard & customized sizes.



CONVENTIONAL HEPA FILTER

Conventional High Efficiency Particulate Air (HEPA) Filter made of sub-micron glass-fibre filter paper, the most efficient air cleaner.

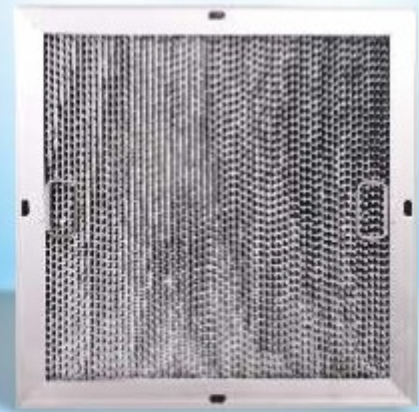
The Conventional Hepa Filters certified to have minimum efficiency of 99.997% in removing particles of 0.3 microns and above. All HEPA filters designed and built by us meet the highest standards and are customized to client specified needs. Experts monitor and assemble our systems under stringent quality standards.



SUPER HEPA FILTER

Super HEPA Filters superior version of HEPA Filter. It is pleated with more media to take care of additional CFM drawn. A SUPER HEPA can handle double CFM in the same size when compared to normal HEPA filter. It is made out of borosilicate micro-fibers paper assembled in aluminum housing. A good resin bonding ensures no bypass of air between media and frame.

These are available in EU-11, Eu12, Eu13, Eu14 grade having minimum efficiency of 99.97% down to 0.3 micron. Standard depth is 150 and 300 mm-Other sizes are also made as per order.



MINIPLEAT HEPA FILTER (GASKET SEAL)

Super HEPA Filters superior version of HEPA Filter. It is pleated with more media to take care of additional CFM drawn. A SUPER HEPA can handle double CFM in the same size when compared to normal HEPA filter. It is made out of borosilicate micro-fibers paper assembled in aluminum housing. A good resin bonding ensures no bypass of air between media and frame.

These are available in EU-11, Eu12, Eu13, Eu14 grade having minimum efficiency of 99.97% down to 0.3 micron. Standard depth is 150 and 300 mm-Other sizes are also made as per order.



MINIPLEAT HEPA FILTER (GEL SEAL)

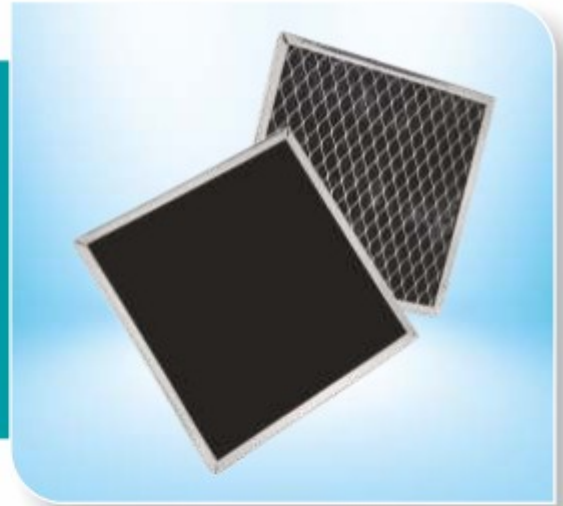
Minipleat Gel Seal HEPA Filter is an advanced version of conventional Mini-pleat filters in which gasket is replaced by Silica gel which ensures 0% leakage from the sides / flanges.

Made by very fine high-efficiency micro fiber glass paper media interspaced with hot melt pleating & enclosed in Al. Extruded sections.



ACTIVATED CARBON FILTERS

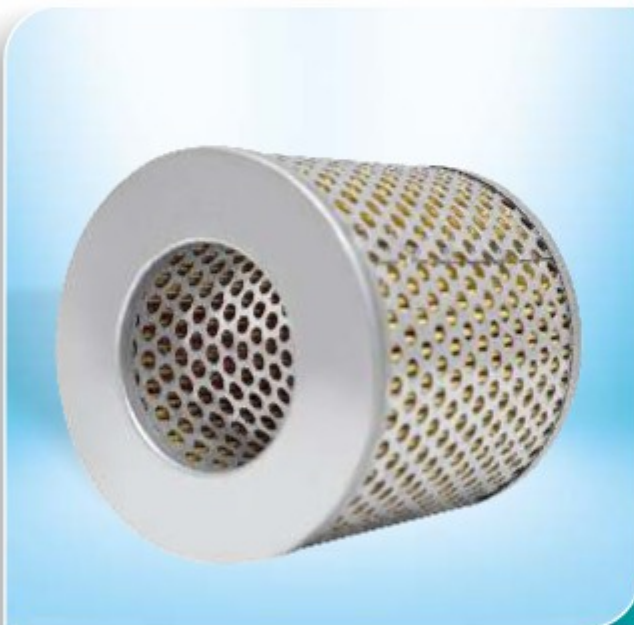
Activated carbon has been referred to as the miracle filter media because of its unique ability to remove volatile organic compounds (VOCs), ozone, toxic chemicals and odours from the air, as well as offensive tastes, odours and impurities from water and other liquids. It is also the preferred method for the removal of carcinogens from the air, as recommended by the Environmental Protection Agency (EPA).



DUST FILTER CARTRIDGE

Filters Cartridges and pleated dust collection cartridges. SS pleated filter cartridges, washable net filter cartridges and pleated PP high efficiency cartridges etc.

Construction : Pleated filter media is covered inner side and / or outer side by metal mesh or mesh made from SS / galvanized steel sheet, flanges at both ends with lugs. Pleated filter media fixed in top and bottom caps made from SS / steel sheet Rubber or polyurethane gasket may provide on the top and bottom side or either side of the collectors.



POCKET FILTER

Pocket filters are filters used in HVAC applications to remove dust from ambient air. They are commonly used as final filters in commercial applications or as pre filters for HEPA filters in hospitals in the Pharmaceutical Industry.



CARTRIDGE & FILTERS



**PLEATED BAG WITH METAL
TOP & BOTTOM**



**DIN TYPE FILTER
CARTRIDGE**



PP HOUSING



WOUND CARTRIDGE



PP PLEATED CARTRIDGE



Bag Filter

CLEANROOM EQUIPMENTS



AIR SHOWER

Air Shower is designed to supply Class 100 HEPA filtered air at high velocity it helps remove particulate matter from the personnel entering into the clean room.

Air Shower works as partial clean equipment installed at the partition between the clean room and non-clean rooms to shower the personnel or matter before entering the clean area.

These units to remove dust effectively and maintains the normal working status.

DISPENSING BOOTH

Dispensing Booth is a kind of laminar flow filtration cabin which is employed in dispensing, sampling and weighing of powders and chemicals in pharma, biotech and chemical industries.



STERILE GARMENT STORAGE CABINET (DYNAMIC)

These are widely used for storage of clean apparel for cleanroom as these are equipped with HEPA filter and U.V. germicidal tube. Therefore, these are safe and ensure that the garments completely free from bacterial contamination. We offer these cubicles with additional features for odour neutralization and electric heater and U.V. that meet the demands of various sectors. We make Dynamic Garment Storage Cabinets (Cubicle). Which are ideal for controlled environment chamber and facilitate optimal storage of clean room garments, tools, wipes, process equipment and other consumables.



SAMPLING BOOTH

Sampling Booths are designed to give mixed air flow stream for product, operator and environmental protection and used to control the hazardous emissions of dust powder during powder sampling process.

HORIZONTAL LAMINAR FLOW UNIT

Laminar Air Flow work stations are designed for creation of a bacterial dust free air space. The work area is continuously supplied with positive pressure HEPA filtered Horizontal airflow & prevents contamination from operator and environment to work area.

Airflow work stations are used for work with low risk substances & material. We manufacture top class HORIZONTAL LAMINAR FLOW UNIT standard & customized sizes.



GLOVE BOX

Glove boxes are constructed from 304 grade stainless steel with continuous-welds designed for removal of oxygen and humidity and backfill with nitrogen or argon. Provide a clean, controlled atmosphere environment for many applications such as semiconductor, pharmaceutical manufacturing, research and testing. Stainless steel has good resistance to a wide range of chemicals and excellent moisture and heat resistance.





STATIC PASSBOX

Static Pass Boxes help to minimize the amount of particulate contamination entering the clean room and also ensure to reduce the operator traffic.

The extensive range of equipment and material is passed into the clean room via the pass box, as these are fitted with a mechanical interlock system that prevents both doors from being opened at the same time.

Our range is highly affordable way to maintain the cleanliness of room, easy to install and adaptable to different working conditions.

DYNAMIC PASSBOX

Dynamic Pass Box equipment are made of powder coated high grades stainless steel (304) with international quality standard components including mechanically or electrically interlocked doors and UV light.

These Dynamic Pass Box equipment are equipped with suction filter made of stainless steel with 95% down to 5μ efficiency (EU-4 Rating) and supply filter made of aluminum with 99.999% down to 0.001μ (EU-14 Rating). An interlock guard system controls the inlet and the outlet of PASS BOX not be opened at the same time, in order to prevent the cross contamination.



CEILING SUSPENDED LAF

Ceiling Suspended Laminar Air Flow work stations are designed for creation of continuous supply of positive pressure HEPA filtered air thus creating a dust free clean air. Best for aseptic filling areas.

We manufacture top class CEILING SUSPENDED LAMINAR FLOW UNIT of standard & customized sizes.



STAND MOUNTED LAF

Ceiling Suspended Laminar Air Flow work stations are designed for creation of continuous supply of positive pressure HEPA filtered air thus creating a dust free clean air. Best for aseptic filling areas.

We manufacture top class CEILING SUSPENDED LAMINAR FLOW UNIT of standard & customized sizes.

MOBILE LAMINAR AIR FLOW UNIT (VERTICAL / HORIZONTAL)

Mobile Laminar Air Flow Trolley is for transferring the sterile products from non-sterile area to sterile area under ISO Class 5 (Class 100) particle free work area.

The work area is continuously supplied with positive pressure from HEPA filtered recirculated / once through horizontal / vertical air flow.



GARMENT STORAGE CABINET (STATIC)

Garment Cubicles with HEPA Filters are used for storing sterile aprons, garment & other accessories. The unit prevents contaminations from outside dust particles and air borne bacteria.

The inside of the cubicle is flushed with fresh air supplied from HEPA filter which is re-circulated. We manufacture top class STATIC GARMENT CABINET of standard & customized sizes.



BIO SAFETY CABINET

(Class II A2 & Class II B2)

Bio-Safety Cabinets also known as biological safety cabinets, are enclosed, ventilated laboratory workspace areas designed to protect the user and surrounding environment from pathogens.

All exhaust air is HEPA filtered to remove hazard our agents such as viruses and bacteria. Bio-safety cabinets are used in many laboratories including clinical and research labs.

We manufacture top class BIO SAFETY CABINET of standard & customized sizes.

BIO SAFETY CABINET

(Class III)

A Class III cabinet is defined as a totally enclosed, ventilated cabinet with leak-tight construction and attached rubber gloves for performing operations in the cabinet. These cabinets have a transfer chamber with interlocked doors that allow for sterilization of materials before entering/exiting the glove box. Materials can also be taken in and out through a dunk tank filled with a disinfecting solution. The cabinet is maintained under negative pressure and supply air is drawn in through HEPA filters.



HOSPITALS & LABORATORIES

OPERATION THEATRE LAMINAR FLOW

Based on the experience, Microflow is contributing to the improvement of Hospital areas and reducing the risk of infection by designing and Commissioning the Laminar Air Flow System.

The Laminar airflow system with HEPA Filter creates an extremely homogeneous laminar flow with very little turbulence. Any bacteria, viruses or dust particles are extracted directly before the air enters the area. This means that the operating area is completely isolated within the surrounding room, effectively preventing any contamination by bacteria or virus-laden air. The low degree of turbulence also provides a pleasant working environment for medical personnel.



O.T. PENDANT

We offer ceiling mounted rigid operation theatre pendants, which are designed for convenient overhead service like medical gases, electrical points and others. The modular configuration of these pendants enable easy upgrading without major work interruption. These pendants are provided with a large coverage area and has double arm alternatives that offer flexibility to accommodate the needs of the operating teams for multiple work configurations.



O.T. SURGEON CONTROL PANEL

We bring forth for our clients an extensive range of Surgeon Control Panel. The control panel is convenient for the doctors and nurses to control temperature, humidity, medical gases, lights, etc. The offered control panel is also integrated with broadcasting and intercom / telephony systems for the ease of surgeons.

This microprocessor based Surgeon Control Panel is designed with advanced technology and supreme quality components, which ensures its excellent performance and longer service life.

X-RAY VIEWER

X-Ray viewer is a tool for observing the results of X-Ray films using ray lighting. It aims to get clearer readings of X-Ray films by radiographers and doctors.



SCRUB SINK

Scrub sink stations are still another crucial requirement for every medical domain, and you must ensure that you purchase them from the greatest surgical scrub station manufacturers for the best quality. OT scrub sinks are essential for operating rooms' smooth functioning and maintenance. Patients' health and safety are reliant on this device.





PCR CABINET

PCR (Polymerase Chain Reaction) cabinet provides HEPA-filtered vertical laminar flow to purge the work area of contaminants between amplifications and during preparatory procedures.

PCR cabinet used in biology and genetic laboratories, prevent cross contamination between samples and UV lights for sterilization.

FUME HOOD CABINET

A Fume Hood Cabinet, also known as a fume cupboard, fume closet or a fume hood, is an extraction system used for capturing and removing toxic dust, fumes, aerosol and vapours to minimise exposure to a safe level. It is most commonly found in laboratories, where such substances are handled.



HVAC

AIR HANDLING UNIT

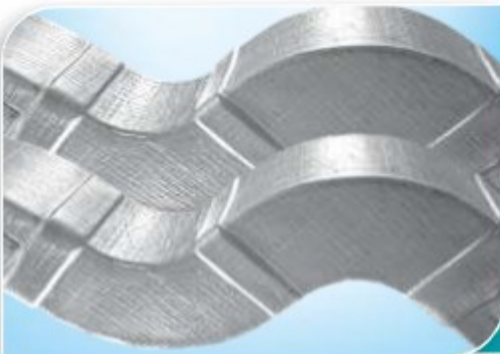
An Air Handler, or Air Handling unit is a device used to condition and circulate air as part of a heating, ventilating, and air-conditioning (HVAC) system. We are availing Air Handling Units in customized designs and variegated capacities. These units come with sturdy construction as well as flexibility of combining required components. Owing to its long lasting commendable performance, cost effective functionality, low maintenance and high operational accuracy, it is highly coveted in the market and utilized in various industries and commercial sectors on a large scale.



HEPA TERMINAL BOX

The Terminal Housing is the traditional method for fitting HEPA Filters into a ductwork system ensuring high quality clean air is supplied directly to the clean room or equipment where it is required. HEPA Filter Housing to suit Ceiling Grids.

- Allows for HEPA Filter change within the cleanroom
- Access Via attractive 4 Way Ceiling Grille– In-Situ Leak Testing Points
- Suitable for ISO Class 3 Cleanrooms



HVAC DUCTING

Ducts are conduits or passages used in heating, ventilation, and air conditioning (HVAC) to deliver and remove air. The needed airflows include, for example, supply air, return air, and exhaust air. Ducts commonly also deliver ventilation air as part of the supply air. As such, air ducts are one method of ensuring acceptable indoor air quality as well as thermal comfort.



RETURN AIR DIFFUSER

Return Air Diffuser's main job is to pull air from a specific area and recycle it through the HVAC system. As a result, the recycled air within the system is better conditioned by cooling and heating, resulting in increased airflow efficiency within the space.

VOLUME CONTROL DAMPER

Volume Control Dampers are used to control the amount of air that flows through duct systems. They can be utilised as positive shutoffs, as well as for automated control in low-leakage HVAC systems of systems that need airflow modulation. Control dampers are commonly used in ductwork with low to medium airflow velocity and static pressure.



RETURN AIR GRILL

An **Air Return** is a vent grille that is commonly found in a corridor or in the ceiling. Its purpose is to take air from a room and recycle it through the system to later conditioned by cooling or heating. Since air returns do not have a damper, **Air Returns** must allow unrestricted passage of air into the vent.

RETURN AIR RISER

Leveraging on our vast industry expertise, we are offering a wide range of Return Air Riser which is developed to ensure leak proof installation. Our range of return air risers is extensively applied to overall appearances of cleaned rooms.

Further, our range is renowned for high-end features such as corrosion resistance and low maintenance.



MODULAR CLEAN ROOM



CLEAN ROOM PUF PARTITION / DOOR

In almost every industry where microscopic particles might disrupt the manufacturing process, cleanrooms are employed. They come in a variety of sizes and complexity, and they're widely utilised in semiconductor production, pharmaceuticals, biotech, medical device manufacture and many more.

A cleanroom is any enclosed facility in which particle pollution is reduced and other environmental factors such as temperature, humidity, and pressure are controlled.

EPOXY FLOORING & COVING

Coving is a type of Epoxy Mortar that is put to the wall and floor junction to produce a radius that is seamlessly integrated into the floor system. As a result of this, Bacteria will not be able to breed in the wall and floor junction.



VINYL FLOORING

Vinyl flooring is a synthetic material favored for its durability and functionality. It has become an increasingly popular flooring material in recent years because of its ability to fight off moisture and its versatile appearance. Plus, it's one of the most affordable flooring options.

MODULAR CLEAN ROOM VALIDATION

The ability of the clean room to eliminate particles by purging the space with filtered air is demonstrated in clean room validation and maintenance tests.

Validation and testing of cleanrooms guarantees a completely secure environment and ISO compliance. It gives you piece of mind knowing that your cleanroom is working as expected and that Total Clean Air are monitoring your cleanroom compliance.



PHARMACEUTICALS & LAB FURNITURES



MULTIPURPOSE TROLLEY



HPLC CABINET



APRON CABINET



**CROSS OVER BENCH WITH
APRON CUPBOARD AND
IPA DISPENSER**



**ACCESSORIES
AND SAMPLER CABINET**



SOILED LINEN TROLLEY



PLATFORM TROLLEY



**PUNCH DIE CARRYING
TROLLEY**



SIEVES TROLLEY



**CROSS OVER BENCH
WITH CABINET**



CHAIR & STOOL



**CANTEEN TABLE WITH
ATTACHED STOOL**

OUR VALUABLE CLIENTS

And many more...



Contact Us :



Factory & Admin Office :

Unit No. 10-11, Roop Naval Indl. Estate,
Vidya Vikashini School Road,
Fatherwadi, Vasai (E), Dist. Palghar
401208, Maharashtra, (INDIA)



Corporate Office :

56-Cine Wonder Mall, Ground Floor,
G.B. Road, Kapurbawdi, Thane (W)
400601, Maharashtra, INDIA.



(+91) 9823252793 / (+91) 8956050201
(+91) 8956050206 / (+91) 8956050209



mapfilter@gmail.com
sales@mapfil.com



www.mapfilters.com
www.mapfil.com



ISO 9001:2015
CERTIFIED ORGANISATION

