



SIDDHI FILTER MEDIATM
FILTRATION EXPERT

Commitment in **Environmental** Control



HOUSE OF AIR PURITY

THE COMPANY PROFILE



Incorporated in India, established in 2006 by Mr.JH Sharma with a vision to provide total filtration solutions and a motive for environmental sustainability . **Siddhi Filter Media** is the fastest growing organisation in the business of liquid, gas, solid and air filtration. Our Company is managed by innovative and visionary technocrats having massive experience in the area of filtration.

By understanding the industrial need of filtrations our team works very efficiently on research and development for innovation of new products and technology.

The Company's manufacturing units are well equipped with modern machineries and expertly trained employees. Our products are checked stringently by our team of auditors for quality assurance and customer satisfaction.

OUR VALUES



Safety



Innovation



Perseverance



Ethics

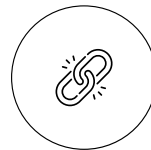
Industry-Recognized Certifications



WHY CHOOSE US ?



Quality assurance



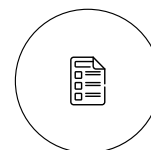
Durability promised



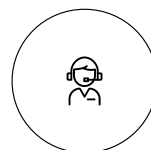
Modern machinery



Environmental policies



Tested products
with reports



Perfect technical
assistance

OFFICE



Head Office

215, Onkar Hiranandani Industrial Estate,
Kanjurmarg (W), Mumbai-400078, Maharashtra, India.

FACTORY



Unit 1

121, Onkar Hiranandani Industrial Estate, Kanjurmarg (W),
Mumbai-400078, Maharashtra, India.



Unit 2

J7, Phase 2, Bhumi World - Industrial Park Baddi, Mumbai - Nashik Expy,
Pimplas, Amane, Bhiwandi, Maharashtra 421302, India.



DELIVERING SOLUTIONS FOR FOLLOWING INDUSTRIES



Mining and Mineral



Pharmaceutical



Food & Beverages



Chemicals



Cosmetic



Oil & Gas



Energy



Cement



Water Treatment



Paints & Dyes



Waste Management



Geo-Textiles



Construction



Automotive



Marine Systems



Smelting Plant



Air Ventilation Systems



Vaccum Systems



Pulp and Paper



Textiles



Plastics and Polymers

PRE FILTER



Pre Filter:

Pleated panel with advanced synthetic media in a sturdy metal frame, delivering superior dust and particle filtration for cleaner, healthier air.

- ASHRAE 52.2 - MERV 5,7,8
- EN779 - G3, G4
- Media - Synthetic
- Filter Class - ISO Coarse
- Application - Industrial, coarse pre-filtration
- Filter Depth - 50mm,100mm
- Frame - Aluminum, SS 304, GIPC
- Recomm. Final Pressure drop - 250 Pa



Pre Filter (Pleated Panel, Cardboard Frame):

High-efficiency pleated synthetic media in a lightweight cardboard frame for effective dust and particle filtration.

- ASHRAE 52.2 - MERV 5, 7, 8
- EN779 - G2, G3, G4
- Media - Synthetic
- Filter Class - ISO Coarse
- Application - Industrial, coarse pre-filtration
- Filter Depth - 50mm,100mm
- Frame - Moisture Resistant Beverage Board, Aluminum, SS 304
- Recomm. Final Pressure drop - 250 Pa



Pre Filter (Rod-Type):

High-efficiency synthetic media in a robust metal frame with rod-type design for exceptional dust and particle filtration.

- ASHRAE 52.2 - MERV 5,7, 8
- EN779 - G3, G4
- Media - Synthetic
- Filter Class - ISO Coarse
- Application - Industrial, coarse pre-filtration
- Filter Depth - 50mm,100mm
- Frame - Aluminum, SS 304, GIPC
- Recomm. Final Pressure drop - 250 Pa

ISO 16890

ISO 16890-1:2016 defines an efficiency classification system for air filters used in general ventilation, based on particulate matter (PM). It outlines test procedures, general requirements for evaluation and marking, and documentation of results. It is used together with ISO 16890-2, -3, and -4.

The standard applies to filters tested at airflow rates from 0.25 m³/s to 1.5 m³/s on a 610 mm × 610 mm test rig. It covers filters with an ePM1 efficiency of up to 99%. Higher-efficiency filters are tested under ISO 29463 (all parts). Portable room air cleaner filters are excluded.

Test results under ISO 16890 cannot alone predict real-life performance, as other operational factors also affect efficiency and lifetime.



ISO Coarse, ISO ePM10, ISO ePM2.5, and ISO ePM1.

These classifications are based on how efficiently a filter captures particles of different sizes (measured in microns).

ISO Coarse has less than 50% efficiency, while ePM10, ePM2.5, and ePM1 must achieve at least 50% efficiency for increasingly smaller particles.

As you move toward ePM1, the filter captures finer and more harmful particles.

FINE FILTER



Fine filter:

Pleated non-woven media and GI mesh in a sturdy metal frame efficiently traps fine particles after pre-filtration, ensuring cleaner air and protected processes.

- ASHRAE 52.2 - MERV 9-14
- EN779 - M5-F8
- Media - Non woven Synthetic
- Application - HVAC
- Filter Depth - 12", 24"
- Frame - Aluminum , SS 304
- Recomm. Final Pressure drop - 450 Pa
- Max operating Temp - 60°C



Fine Filter (Mini Pleat):

High-efficiency microfine glass fiber in a compact, rigid mini-pleat design, offering low energy use, easy handling, and superior particle capture.

- ASHRAE 52.2 - MERV 11-15
- EN779 - M6-F9
- Media - Micro Glass fiber
- Filter Class - ISO ePM10/ ISO ePM1
- Application - HVAC
- Filter Depth - 4"
- Frame - Plastic, Aluminum, SS
- Recomm. Final Pressure drop - 450 Pa
- Max operating Temp - 60°C



Fine Filter (Cardboard Frame):

High-efficiency pleated microfine glass fiber in a compact, rigid cardboard frame, offering maximum surface area, low energy consumption, and superior particle capture.

- ASHRAE 52.2 - MERV 9-14
- EN779 - M5- F8
- Media - Micro Glass fiber
- Application - HVAC
- Filter Depth - 25mm, 50mm
- Frame - Beverage Board
- Recomm. Final Pressure drop - 450 Pa
- Max operating Temp - 60°C

RISER - PANEL FILTER



RISER - PANEL FILTER:

Specially designed for air return systems, these filters maintain clean air circulation in large spaces.

- EN1822 - G1, G2, G3, G4, G5
- Media - Synthetic
- Application - Air Filter Intake- Outtake in Cleanroom
- Filter Depth - 25mm, 50mm
- Frame - Aluminum
- Max operating Temp - 60°C

EN 1822

European standard used to classify and test HEPA and ULPA air filters based on their efficiency in capturing very fine particles.

The standard measures a filter's performance at the Most Penetrating Particle Size (MPPS), which is the particle size that is hardest to capture (typically around 0.1–0.3 μm). Filters are individually tested and classified into groups such as EPA (E10–E12), HEPA (H13–H14), and ULPA (U15–U17) based on their minimum efficiency.

EN 1822 ensures that high-efficiency filters used in cleanrooms, hospitals, pharmaceuticals, and critical environments meet strict performance and leakage requirements.



HEPA FILTER



FOIL SEPARATOR HEPA FILTER

Foil Separator HEPA Filter:

Compact, high-efficiency filter with aluminum foil separators for uniform airflow and reliable particle retention in cleanroom applications.

- EN1822 - H13, H14
- Media - Micro Glass fiber
- Separator - Aluminum
- Application - HVAC
- Filter Depth - 150mm, 300mm
- Frame - Aluminum, SS 304
- Recomm. Final Pressure drop - 750 Pa
- Max operating Temp - 90°C



MINI PLEAT HEPA FILTER

Mini Pleat HEPA Filter:

Precision-engineered mini-pleat HEPA and ULPA filters for cleanroom applications, available in a variety of media packs for superior air purity and efficiency.

- EN1822 - H13, H14, U15, U16
- Media - Micro Glass fiber
- Separator - Hot melt
- Gasket - Neoprene, EPDM
- Protection Grid - Powder coated metal on Both side / SS / Aluminum
- Frame - Aluminum Extrusion
- Recomm. Final Pressure drop - 500 Pa
- Max operating Temp - 70°C



MINI PLEAT GEL SEAL HEPA FILTER

Mini Pleat Gel Seal HEPA Filter:

High-performance mini-pleat HEPA and ULPA filters with gel-seal frames, designed for cleanroom applications and available in a variety of media packs for superior air purification.

- EN1822 - H13, H14, U15, U16
- Media - Micro Glass fiber
- Separator - Hot melt
- Sealant - Silicon / PU gel
- Protection Grid - Powder coated metal on Both side / SS / Aluminum
- Frame - Aluminum Extrusion
- Recomm. Final Pressure drop - 500 Pa
- Max operating Temp - 70°C



HOODED HEPA FILTER

Hooded HEPA Filter:

Mini-pleat HEPA filter delivering optimum performance with individual duct design for efficient air purification in critical environments.

- EN1822 - H13, H14, U15, U16
- Media - Micro Glass fiber
- Separator - Hot melt
- Gasket - Neoprene, EPDM
- Protection Grid - Powder coated metal on Both side
- Frame - Extruded Anodized Aluminum
- Collar Design - Round, Square
- Recomm. Final Pressure drop - 500 Pa
- Max operating Temp - 70°C



HOODED GEL SEAL HEPA FILTER

Hooded Gel Seal HEPA Filter:

Ceiling-mounted HEPA module with gel-seal frame, ideal for Class 10,000 to 1,00,000 controlled environments, ensuring superior air purity and reliable performance.

- EN1822 - H13, H14, U15, U16
- Media - Micro Glass fiber
- Separator - Hot melt
- Sealant - Silicon / PU gel
- Protection Grid - Powder coated metal on Both side
- Frame - Extruded Anodized Aluminum
- Collar Design - Round, Square, Damper, Bevel Gear arrangement
- Recomm. Final Pressure drop - 500 Pa
- Max operating Temp - 70°C



V Cell HEPA Filter:

High-efficiency filter with compact V-cell design, offering large filtration area, low pressure drop, and long service life. Ideal for HVAC, cleanroom, and industrial air systems requiring consistent particle control and energy efficiency.

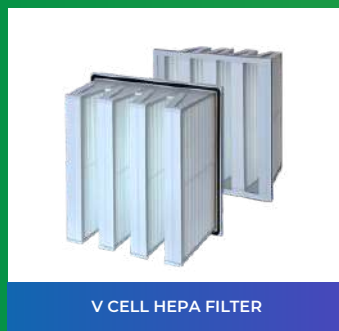
- EN1822 - H13, H14
- Media - Micro Glass Fiber
- Separator - Hot Melt
- Sealant - Polyurethane
- Frame - ABS / Aluminum
- Design - Compact V-cell with high surface area
- Protection Grid - Optional Powder Coated Metal / Plastic Mesh
- Recomm. Final Pressure Drop - 450 Pa
- Max Operating Temp - 70°C



High Temperature Filter:

Specially designed to withstand extreme heat while maintaining high filtration efficiency in ovens, dryers, tunnels and other high-temperature industrial processes.

- EN1822 - H13
- Media - Glass fiber
- Separator - Aluminum
- Sealant - Special Ceramic
- Gasket - Glass Designed Gasket
- Frame - SS casing
- Max operating Temp - 400°C



V Cell HEPA Filter:

High-efficiency filter with compact V-cell design, offering large filtration area, low pressure drop, and long service life. Ideal for HVAC, cleanroom, and industrial air systems requiring consistent particle control and energy efficiency.

- Frame - Aluminum & SS casing
- Design - Rectangle Vent: Side
- Type - Clamp Type, Screw Type
- Feature - Fully welded for Durable Reliability, High Corrosion Protection
- Max Operating Temp - 70°C



Cartridge HEPA:

Cartridge HEPA is a high-efficiency filtration element used in ADU systems to remove fine dust and microscopic particles from air.

It ensures clean, purified airflow in controlled environments, delivering reliable performance and superior air quality.

- Frame - GI / Aluminum / SS (as required)
- Design - Compact, Pleated Cartridge Design
- Type - HEPA (High Efficiency Particulate Air)
- Feature - High filtration efficiency, low pressure drop, durable construction
- Max Operating Temp - Up to 80°C (customizable as per application)

CARBON FILTER / CHEMICAL FILTER



Carbon Filter / Chemical Filter:

Uses activated carbon media to adsorb odors, gases, and chemical fumes, ensuring clean and odor-free air in industrial and commercial environments.

- EN1822 - G1, G2, G3, G4, G5, F7, F9
- Media - Synthetic + Carbon
- Application - HVAC, Chemical, Pharmaceutical
- Filter Depth - 25mm, 50mm, 300mm
- Frame - Aluminum
- Max operating Temp - 60°C

POCKET BAG FILTER



POCKET PRE FILTER

Pocket Pre Filter:

Pocket filter Design with Melt Blown Synthetic, Water resistant media, it is suitable for IAQ, and Variable Air Volume

- ASHRAE 52.2 - MERV 7
- EN779 - G4
- Media - Synthetic
- Filter Class - ISO Coarse
- Application - General Ventilation
- Header Thickness - 20mm, 25mm
- Filter Depth - 12", 24"
- Frame - Galvanized steel
- Recomm. Final Pressure drop - 250 Pa
- Max operating Temp - 60°C



POCKET FILTER
(NANOWAVE DESIGN)

Pocket Filter (NANOWAVE Design):

Synthetic NANOWAVE pocket filter with high dust-holding capacity and low initial pressure drop for efficient, long-lasting air filtration.

- ASHRAE 52.2 - MERV 10-14
- EN779 - M5-F8
- Media - Synthetic NANOWAVE
- Filter Class - ISO ePM2.5, ISO ePM1
- Application - General Ventilation and air conditioning equipment
- Filter Depth - 12", 24"
- Frame - Galvanized steel
- Recomm. Final Pressure drop - 300 Pa
- Max operating Temp - 60°C



POCKET FINE FILTER

Pocket Fine Filter -

Pocket filter Design with Melt Blown Synthetic, Water resistant media, it is suitable for IAQ, and Variable Air Volume

- ASHRAE 52.2 - MERV 10
- EN779 - M5
- Media - Synthetic
- Filter Class - ISO Coarse
- Application - General Ventilation
- Header Thickness - 20mm, 25mm
- Filter Depth - 12", 24"
- Frame - Galvanized steel
- Recomm. Final Pressure drop - 450 Pa
- Max operating Temp - 60°C



POCKET FILTER (PLASTIC FRAME)

Pocket Filter (Plastic Frame):

Rigid, self-supporting pocket filter with synthetic media, offering high dust-holding capacity and low initial pressure drop for efficient, long-lasting air filtration.

- ASHRAE 52.2 - MERV 10-12
- EN779 - M5-F8
- Media - Synthetic
- Filter Class - ISO Coarse - ISO ePM10
- Recomm. Final Pressure drop - 450 Pa
- Max operating Temp - 60°C
- Application - Automotive Industry, General ventilation Gas Turbine air intake system, Food Processing facilities
- Filter Depth - 12", 24", 15", 30"
- Frame - Galvanized steel

EN 779

European standard used to classify air filters for general ventilation based on their efficiency in capturing particulate matter.

It categorized filters into two main groups:

- G (G1-G4) for coarse filters
- F (F5-F9) for fine filters

The classification was based on average arrestance (for coarse filters) and average efficiency for 0.4 μm particles (for fine filters).



DISPOSABLE FILTER



Disposable Filter:

Economical, single-use filter designed for easy replacement and effective removal of dust and particles in general air filtration systems.

- EN1822 - G1, G2, G3, G4, G5
- Media - Synthetic
- Application - HVAC, Air Filter, Commercial Spaces
- Filter Depth - 25mm, 50mm
- Frame - Cardboard
- Max operating Temp - 60'C

COMBINATION TYPE FILTER



Combination Type Filter:

Dual-stage filter combining pre and fine filtration for enhanced dust capture, longer filter life, and superior air quality performance.

- EN779 - G4, G5, F7, F9
- Media - Synthetic
- Application - AHU, HVAC, Custom Air Filter
- Frame - Aluminum

FILTER ROLL



Filter Roll:

Continuous filter media available in rolls, ideal for cutting to size for various industrial and HVAC applications, offering flexibility and efficient dust capture.

- Media - Synthetic
- GSM - 150, 300
- Application - AHU, HVAC, Custom Air Filter, Dust Collection

AIR FILTER MOBILE HOUSING



Air Filter Mobile Housing:

Portable filter unit with wheels for easy movement, providing flexible and efficient air purification in various industrial and commercial settings.

- Construction - Heavy-duty powder-coated steel / Stainless steel (SS304)
- Design Type - Mobile unit with caster wheels and handle for easy movement
- Filter Compatibility - Pre Filter, Fine Filter, HEPA Filter (single or multi-stage)
- Filtration Efficiency - Up to H14 (EN1822) depending on configuration
- Airflow Capacity - 500 to 2000 CFM (customizable)
- Sealing Arrangement - Neoprene / EPDM gasket for airtight performance
- Access - Front-loading design for easy filter replacement
- Mobility Features - Lockable caster wheels and shock-resistant frame
- Power Supply (if motorized) - 230V / 50Hz (optional blower integration)
- Applications - Cleanrooms, hospitals, laboratories, pharmaceutical and electronics manufacturing
- Finish - Powder-coated or brushed stainless steel finish

ANDREA FILTER



ANDREA FILTER

Andrea Filter:

Advanced paint arrestor filter designed with multi-layer cardboard media for efficient overspray capture, cleaner exhaust air, and extended booth life in painting applications.

- Media - Cardboard
- Colour - White / Brown
- Efficiency - 95% to 99%
- Application - Paint Booth

HYDROPHOBIC MEMBRANE FILTER CARTRIDGES



HYDROPHOBIC MEMBRANE
FILTER CARTRIDGES

Hydrophobic Membrane Filter Cartridges:

Replaceable cartridges that remove moisture, oil, and particles from compressed air systems, ensuring clean, dry, and contaminant-free air for industrial applications.

- Media - Hydrophobic PTFE Membrane
- Support / Drainage - Polypropylene
- End Caps - Polypropylene / Stainless Steel (optional)
- Core - Polypropylene
- Retention Rating - 0.01 μm – 0.2 μm
- Application - Sterile air/gas venting, fermentation tanks, and process gas filtration
- Length - 5", 10", 20"
- Seal Options - Silicone, EPDM, FEP-encapsulated Viton, PTFE
- Recomm. Final Pressure Drop - 2500 mbar (2.5 bar)
- Max Operating Temp - 80°C – 85°C
- Sterilization - Autoclavable (121°C for 30 mins)
- Filter Class - Hydrophobic PTFE for sterile air and gas service

SIDE ACCESS HOUSING



SIDE ACCESS HOUSING

Side Access Housing:

Filter housing with a side outlet design, enabling easy installation and efficient airflow management in industrial and HVAC filtration systems.

- Construction - Heavy-duty galvanized steel / Stainless steel (SS304 / SS316 optional)
- Design Type - Side access, front-loading modular housing
- Filter Compatibility - Pre Filter, Fine Filter, HEPA Filter
- Sealing Arrangement - Neoprene / EPDM gasket for leak-proof sealing
- Access Door - Hinged door with quick-release latches
- Customization - Available in single, double, or multiple filter stages
- Recommended Air Velocity - Up to 2.5 m/s
- Pressure Drop - 250–500 Pa (depending on filter combination)
- Applications - HVAC systems, cleanrooms, pharmaceutical, food processing, and industrial ventilation
- Finish - Powder-coated / Epoxy-painted corrosion-resistant finish
- Optional Accessories - Differential pressure gauge, mounting rails, and transition flanges

ASHRAE 52.2

American Society of Heating, Refrigerating and Air-Conditioning Engineers to evaluate the performance of air filters used in general ventilation systems.

MERV ratings range from 1 to 16 and indicate how effectively a filter captures particles of different sizes. A higher MERV rating means better filtration performance.

The rating is based on a filter's ability to capture particles in three size ranges:

- 0.3–1.0 μm
- 1.0–3.0 μm
- 3.0–10.0 μm



AIR FILTER CARTRIDGE

An Air Filter Cartridge is a pleated, cylindrical filtration element designed to remove dust and airborne contaminants in industrial applications. Its compact design provides a large filtration area, ensuring high dust-holding capacity, low pressure drop, and efficient air cleaning. Available in various media options to suit different operational requirements.



COMPRESSED AIR FILTER ELEMENTS

Compressed Air Filter Elements are replaceable components used in compressed air systems to remove dust, oil aerosols, moisture, and vapors. Installed inside filter housings, they protect equipment and processes from contamination.

Available in particulate, coalescing, and activated carbon grades, they ensure clean, dry air, improved efficiency, and longer equipment life.



DUST COLLECTOR CARTRIDGES

Dust Collector Cartridges are high-efficiency filtration elements designed to capture airborne dust and fine particles in industrial dust collection systems.

With a pleated design for maximum filtration area in a compact size, they offer high dust-holding capacity, low pressure drop, and efficient air cleaning—ideal for maintaining clean air and meeting emission standards across various industries.



SIDDHI FILTER MEDIATM
FILTRATION EXPERT

ISO 9001 : 2015

SCAN



TO VISIT WEBSITE
www.siddhifilter.in

**MANUFACTURER & SUPPLIER OF ALL KINDS OF
INDUSTRIAL FILTER FABRICS & FILTER BAGS**