SIDDHI FILTER MEDIA™
FILTRATION EXPERT

Commitment in **Environmental** Control

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

ISO 9001:2015

GOOD MANUFACTURING PRACTICE GMP CERTIFIED

International Organization for Standardization ISO 45001

WHY CHOOSE US ?

- Quality assurance
- Durability promised
- Modern machinery
- Environmental policies
- Tested products with reports
- Perfect technical assistance

OFFICE

Head Office

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

Branch Office

1st Floor, Himuda Complex, opp. State Drug Controller Office, Phase 1, Baddi, Himachal Pradesh 173205, India.

FACTORY

Unit 1

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

Unit 2

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

Proficient Team

- Skilled experts providing exceptional technical assistance.
- Craftsmanship focused on delivering optimum quality.
- Best-in-class after-sales service for your peace of mind.
- Teamwork-driven approach for seamless solutions.

STATE-OF-ART MACHINERY

- Precision cutting systems for intricate fabric and metal designs.
- Computerized embroidery and stitching machines for flawless detailing and customization.
- Advanced metal forming technologies for rapid prototyping and complex shapes.

UNDERSTANDING FILTRATION DYNAMICS

Filtration involves the removal of suspended solids from a fluid as it passes through a filter media, resulting in a clear fluid known as the filtrate, while the solid residue remains on the filter paper. The primary aim is to enhance material utility by eliminating solids from the fluid. The significance of either the filtrate or the solids varies depending on the context.

A study revealed that in nearly every industry, the majority of component replacements or loss of usefulness is attributed to surface degradation. Particles produced through abrasive wear undergo work hardening, rendering them harder than the parent surface. Without proper filtration to remove these particles, they recirculate, causing further damage. This cycle of wear and tear persists, leading to premature system component failure unless high-performance filtration intervenes to disrupt the chain.

WHAT TANGIBLE BENEFITS DOES A FILTRATION SYSTEM OFFER?

- Reduced operating costs.
- Extended service life of machinery.
- Prevention of pipe line and fittings clogging.
- Maintenance of high-quality surfaces on machine parts.
- Preservation of tolerances on machine parts.
- Lower reject rates.
- Enhanced operator health, as clean coolant is less harmful to the skin.
- Reduced machine downtime due to cleaner conditions.

DELIVERING FILTRATION 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

PRODUCT RANGE

Bag Filter

Our bag filters, crafted from textile materials, play a vital role in filtering air, liquids, and solids. Employed across diverse industries, they effectively capture contaminants, ensuring cleaner environments and enhanced product quality.

Air Filter

An air filter for machinery is a component designed to capture airborne contaminants, preventing them from entering critical machinery components. It ensures cleaner air intake, protecting equipment from damage and optimizing performance and longevity.

Fluid Filter

Fluid filters are essential components in machinery that remove contaminants like dirt, debris, and metal particles from liquid, hydraulic fluids, oils, and lubricants, ensuring optimal performance and prolonging equipment lifespan.

FILTER MEDIA - TAILORED TO YOUR APPLICATION

Moisture repellent

Waxes, silicones, and fluorocarbon resins for water repellent coats.

Conductive media

Anti-static media designed for electro static discharge.

Surface coating

Microporous coating, PTFE membrane, nanofibres.

Temperature resistance

For operating temperatures up to 450 °C

FILTERS CRAFTED ACCORDING TO YOUR NEED

Shape

Facing limited space? Need a custom dust filter or unique mounting solution for your system? We'll develop the perfect fit.

Filter medium

Our filter medium selection considers dust characteristics, operational factors, and your required separation efficiency. We innovate new filter materials to meet emerging challenges.

Special design

Need a dust filter element for extreme conditions or food-safe applications? We'll develop a custom solution that perfectly fits your specifications.

BAG FILTERS - PROCESS FILTERS

FBD/FBP

Model: Glatt / ACG / Kelvin / Gansons / Bectochem Lödige / GEA / Anish Pharma / Gaylord
Media: Antistatic Polyester, Antistatic Polypropylene, Epitropic, Polyester Antistatic Nonwoven, Anitstatic Polyamide, PC Satin
Size: 5KJ to 1300KJ
Application: Drying process and formulation

FBD COMBO-D TYPE

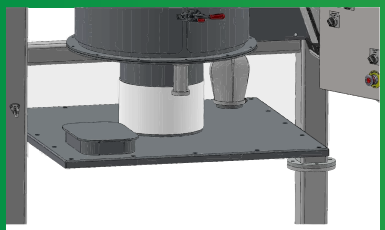
Model: Glatt / ACG / Kelvin / Gansons / Bectochem Lödige / GEA / Anish Pharma / Gaylord
Media: Antistatic Polyester, Antistatic Polypropylene, Epitropic, Polyester Antistatic Nonwoven, Anitstatic Polyamide, PC Satin
Size: 5KJ to 1300KJ
Application: Drying process and formulation

BONNET BAG

Model: Glatt / ACG / Kelvin / Gansons / Bectochem Lödige / GEA / Anish Pharma / Gaylord
Media: Polyester Mesh and Nylon Mesh
Size: 5KJ to 1300KJ
Application: Drying & Coating

SNAP RING BAG

Model: Glatt / ACG / Kelvin / Gansons / Bectochem Lödige / GEA / Anish Pharma / Gaylord
Media: Antistatic Polyester, Antistatic Polypropylene, Epitropic, Polyester Antistatic Nonwoven, Anitstatic Polyamide, PC Satin
Size: As per OEM
Application: Drying process and formulation



SLEEVES

Media: Polyester,Cotton,Polypropylene
Sizes: As per requirement
Finish: Anitstatic,Satin
Application: Material Transfer

MIRCRONISER BAG

Media: Polyester, Polypropylene, Nonwoven
Finish: Antistatic, Moisture Repellent, PTFE
Application: Drying & Coating

VACUMN DRYER BELT

Model: Pamag, Merk Process, SSP Fardiabad, Bucher Drytech
Media: Polymer as per requirement
Finish: High Temp, Oil Absorbent

CENTRIFUGE BAG

Media: Polypropylene, Polyester
Size: As per requirement
Finish: Antistatic, Multi, Monofilament
Application: Drying and formulation

FILTER PRESS MEMBRANE

Media: Polyester, Polypropylene , Nylon, Cotton
Size: As per requirement
Finish: Carbon, Satin, Spun , Monofilament, Multifilament, Plain, Twill

LEAF FILTER

Media: Polpypropylene , Polyester, Polyamide
Size: As per requirement
Application: Food, Mineral, Chemical

PARAMETERS OF FABRICS

Sr No.	Fabrics	Air Permability -/+ 10%	Tensile Strength -/+ 5%	Grammage/ Weight -/+ 10%	Elongation -/+ 10%	Temperature
1	Antistatic Polyester (Satin Finish)	4.01 (ft^3 / ft^2 min) - @ 310 pa	33 Kgf/cm^2	304 gsm	35.7% Warp 32.5% Weft	110° C - 120° C
2	Antistatic (Polyproplene)	37.4 (ft^3 / ft^2 min) - @ 20 mm wc	46.5 Kgf/cm^2	412 gsm	41.7%Warp 31.0%Weft	80° C - 100° C
3	Antistatic Polyester	64.9 (ft^3 / ft^2 min) - @ 20 mm wc	55.1 Kgf/cm^2	500 - 900 gsm	15% Warp 25% Weft	150° C
4	Epitropic	0.3 to 0.4 (ft^3 / ft^2 min) - @ 20 mm wc	150 Kgf/cm^2 Warp 200 Kgf/cm^2 Weft	190 - 200 gsm	N/A	150° C
5	PolyCotton Satin	24 (ft^3 / ft^2 min) - @ 20 mm wc	250 Kgf/cm^2 Warp 160 Kgf/cm^2 Weft	335 gsm	18% Warp 15% Weft	110° C - 120° C
6	Polyprpolene (PP - 101)	0.27 (ft^3 / ft^2 min) - @ 20 mm wc	235 Kgf/cm^2 Warp 130 Kgf/cm^2 Weft	327 gsm	N/A	80° C
7	PP Spun	8 (ft^3 / ft^2 min) - @ 20 mm wc	430 Kgf/cm^2 Warp 160 Kgf/cm^2 Weft	450 gsm	25% Warp 30% Weft	N/A
8	PP Needle Punch (Non Woven)	14 (ft^3 / ft^2 min) - @ 20 mm wc	215 Kgf/cm^2 Warp 190 Kgf/cm^2 Weft	700 gsm	N/A	N/A
9	PP Multifilament	6.07 (ft^3 / ft^2 min) - @ 20 mm wc	450 Kgf/cm^2 Warp 375 Kgf/cm^2 Weft	420 gsm	38% Warp 28% Weft	N/A
10	Polyester	49.21 (ft^3 / ft^2 min) - @ 20 mm wc	160 Kgf/cm^2	550 gsm	15% Warp 25% Weft	140° C - 150° C

DUST COLLECTION BAGS

Dust Collector bags are widely used in different machineries for collection of granules or powdered dust particles. Depending on media the efficiency of the collection of dust differs.

NONWOVEN BAG FILTER

MULTI POCKET BAG

VACUUM BAG

DISPOSABLE FILTER BAG

ANODE BAG

BELLOWS

Media: Woven & Non Woven in Polyester, Polyester Satin, Polypropylene, Spunbond Polypropylene & Polyester, Needlepunch Polypropylene & Polyester, Antistatic Polypropylene & Polyester, Nomex , Ryton, PTFE etc.

Sizes: As per Standard Size of Equipment / Customer requirement.

Finish: Oil & Water Repellent, Antistatic, PTFE Laminated, High Temperature

LIQUID AND FLUID FILTER

These versatile filters find applications across industries, including pharmaceuticals, chemicals, water treatment, food and beverage production, cosmetics, refineries, and marine systems for various liquid and fluid processes.

PLEATED CARTRIDGE

Media: Polypropylene, Polytetrafluoroethylene (PTFE), Polysulfone
Micron: 0.2/1/5/10/15/20
Size: 5/10/20/30/40 inch
Property: Hydrophobic / Hydrophilic
Type: DOE, Code 7
Benefit: Our filters are designed, developed, and manufactured under an ISO 9001-certified Quality Management System

CAPSULE FILTER

Media: Polytetrafluoroethylene (PTFE), Polysulfone
Micron: 0.1/0.2/0.45
Size: 1/2/5/8 inch
Benefit: Our filters are designed, developed, and manufactured under an ISO 9001-certified Quality Management System

RO MEMBRANE

Make: Toray / Dupoint / Qua & other brands available
Diameter: 4/8/16 Inch
Application: Ultrafiltration , Desalination , Pre filtration

RO FILTER CARTRIDGE

Media: Polyester, Polypropylene
Micron: 1 to 25
Size: 5, 10, 20, 30, 40 inch
Type: Spun/Wound
Application: Liquid filtration
Benefit: Wide chemical compatibility, High dirt holding capacity and product as per FDA regulations.

FILTER PAD

Media: Polypropylene, Polyester, Nylon, Cellulose
Size: As per requirement
Finish: Glazed, Antistatic, Water Repellent
Application: Liquid Filtration

PLEATED
WIREMESH CARTRIDGE

Media: SS Wiremesh (SS304/SS304L/SS316/SS316L)
Micron: 0.2,0.5,1,3,5,10,50 & more
Size: 10, 20, 30, 40, inch (custom size available)
Application: Liquid and Gas filtration
Benefit: High temperature resistance, Strong corrosion resistant, high permeability.

SINTERED METAL
CARTRIDGE

Media: SS304/SS304L/SS316/SS316L
Micron: 0.5/1/5/10/15/20
Size: Length - 10/20/30/40/50 inch
Dia - 65 mm
Type: Doe/Soe/Thread
Application: Liquid and Gas filtration
Benefit: Certified and rigorously tested for quality

CARBON FILTER CARTRIDGE

Media: Bonded Powdered Activated Carbon
Micron: 5 & 10
Size: 10,20,30,40 inch
Type: Spun/Wound
Application: Liquid filtration
Benefit: High flow rate, High dirt holding capacity, Greater chlorine removal efficiency

LIQUID FILTER BAG

Media: Polypropylene
Size: Length - 16/32, Dia - 4/7 inch
Micron: 1 to 400 um
Ring type: Molded PP ring
Application: Liquid Filtration

SS FILTER HOUSING

MOC: PP/PPH/SS304/SS316/SS316L
Size: As per customer requirement
Application: Liquid and Gas filtration
Benefit: Manufactured & Leak tested as per ISO norms

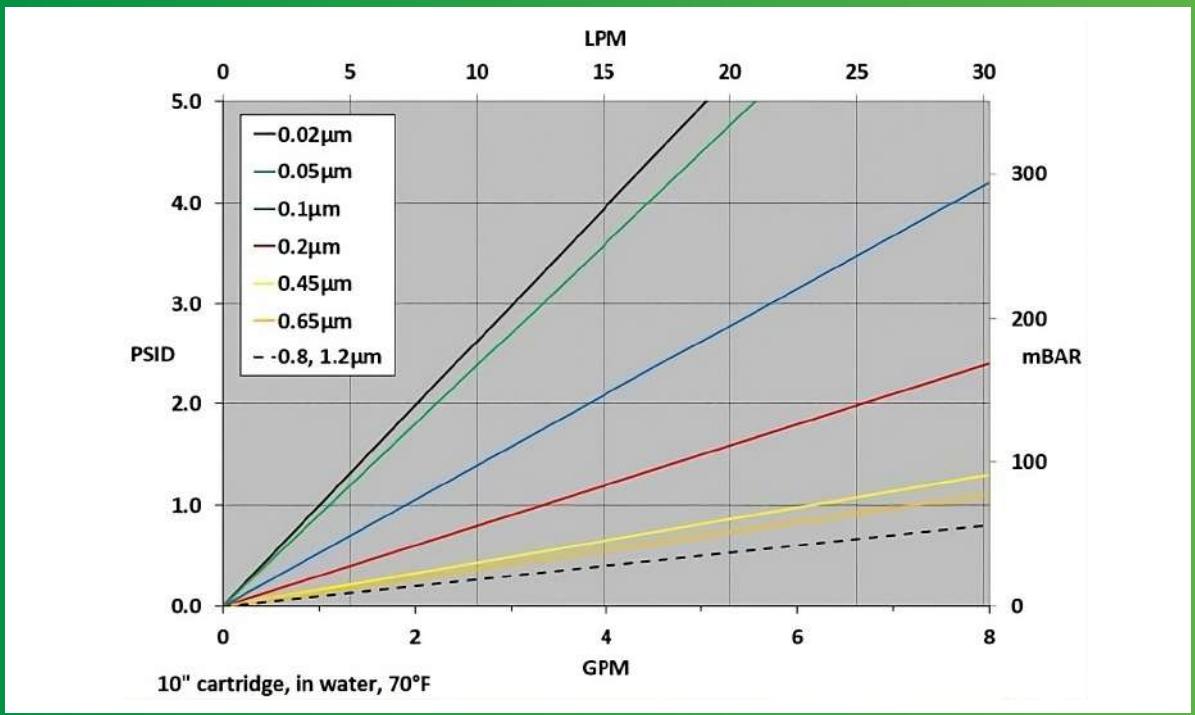
PARAMETERS OF FIBRE

Fibre Type	Sp.Gr.	Maximum Operating Temp C°	Chemicals Resistance Rating				
			Strong / Weak Acids	Strong / Weak Alkalis	Oxidizing Agent	Solvents	Biological
Polypropylene	0.91	90	Excellent	Excellent	Fair	Fair	Excellent
Polyester	1.28 to 1.38	120	Excellent	Poor	Fair	Good	Excellent
Nylon	1.15	100	Poor	Excellent	Fair	Good	Excellent
Cotton	1.5	100	Poor	Good	Fair	Good	Fair
HDPE	0.96	80	Excellent	Excellent	Good	Fair	Excellent

LIQUID FILTER TESTING

We offer filter integrity testing services, including bubble point testing for validation purposes.

$$P = \left(\frac{4 \cos \theta \sigma}{d} \right)$$



Food Safety Compliance

Our materials comply with FDA (21 CFR) and EU (1935/2004, 10/2011) regulations for safe food and beverage contact.

Toxicity

Polypropylene components meet USP Class VI - 121 °C biological safety standards for plastics, ensuring non-toxicity.

AIR FILTERS

PRE FILTER

Media: Polyester/Nylon Nonwoven + HDPE Mesh
Micron: 10 to 20
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Box, Flange
Classification: G3/G4

FINE FILTER

Media: Polyester/Nylon Nonwoven + HDPE Mesh
Micron: 3 to 10
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Box Type, Flange Type
Classification: M5/M6/F7/F8/F9

MINI PLEAT HEPA

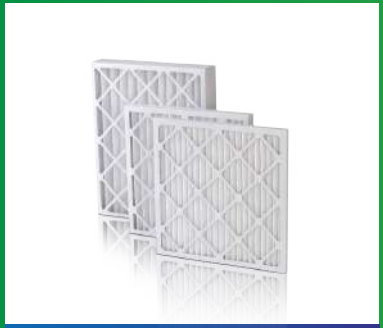
Media: Glass fiber
Micron: 0.3
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Box / Flange / Gelseal
Classification: H13 / H14

FOIL HEPA

Media: Aluminium, Glass Fiber
Micron: 0.3
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Box / Flange
Classification: H13 / H14

POCKET FILTER

Media: Synthetic Nonwoven
Micron: 5 to 20
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Box Type, Flange Type
Classification: G4/F7/F8



RETURN AIR RISER FILTER

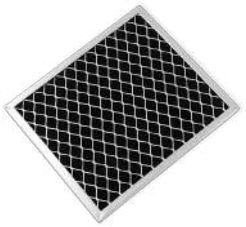
Media: Polyester/Nylon Nonwoven + HDPE Mesh
Micron: 20
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel, Galvanised Steel
Type: Box, Flange

ULPA FILTER

Media: Minipleat Glass fiber
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Box, Flange, Gelseal
Classification: U15/U16

V CELL HEPA

Media: Minipleat Glass fiber
Micron: 0.3
Size: As per OEM Drawing / Customer Requirement
MOC: Plastic
Classification: H13 / H14



CARBON FILTER

Media: Carbon Bonded Non-Woven
Micron: 5/10
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Box , Flange

DISPOSABLE FILTER

Media: Synthetic Nonwoven
Micron: 20
Size: As per OEM Drawing / Customer Requirement
MOC: Hard Board
Type: Box

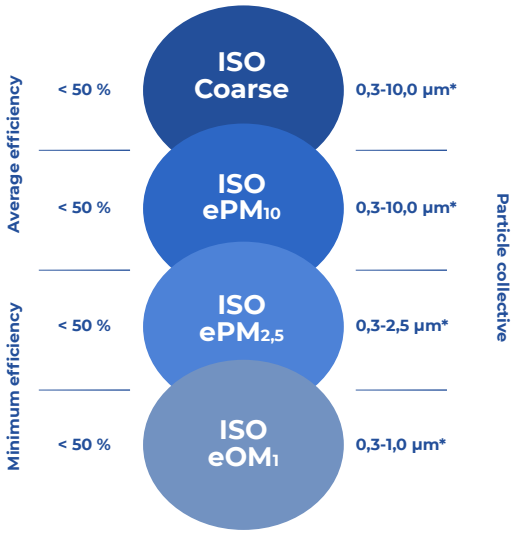
DUST COLLECTOR FILTER

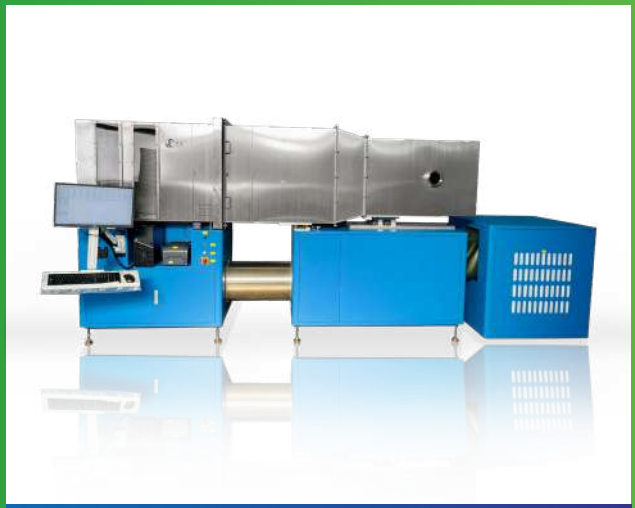
Media: Polyester Nonwoven
Finish: High Temp PTFE Coated
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Steel
Type: Flange, Screw Bonded

CARTRIDGE HEPA

Media: Minipleat Glass Fiber
Size: As per OEM Drawing / Customer Requirement
MOC: Aluminium, Stainless Steel
Type: Flange, Screw Bonded

CLASSIFICATION AS PER ISO 16890





AIR FILTER TESTING MACHINE

In-house testing of air filtration systems in accordance with **ISO standards.**

MERV Rating	Air filter will trap particles sized .3 to 1.0 microns	Air filter will trap particles sized 1.0 to 3.0 microns	Air filter will trap particles sized 3.0 to 10 microns	Filter Type & Particles Removed
MERV 1	<20%	<20%	<20%	Fiberglass and Aluminum Mesh pollen, dust mites, spray paint, carpet fibers, pet dander
MERV 2	<20%	<20%	<20%	
MERV 3	<20%	<20%	<20%	
MERV 4	<20%	<20%	<20%	
MERV 5	<20%	<20%	20% - 34%	Disposable Filters mold spores, kitchen aerosols, hair spray, furniture polish, household cleaning sprays
MERV 6	<20%	<20%	35% - 49%	
MERV 7	<20%	<20%	50% - 69%	
MERV 8	<20%	<20%	70% - 85%	
MERV 9	<20%	>50%	85% or better	Home Box Filters lead dust, flour, auto fumes, welding fumes
MERV 10	<20%	50% - 64%	85% or better	
MERV 11	<20%	65% - 79%	85% or better	
MERV 12	<20%	80% - 90%	90% or better	Commercial Filters bacteria, wildfire smoke, respiratory droplets
MERV 13	>75%	90% or better	90% or better	
MERV 14	75% - 84%	90% or better	90% or better	
MERV 15	85% - 94%	95% or better	90% or better	
MERV 16	95% or better	95% or better	90% or better	
MERV 17	99.97%	99% or better	99% or better	HEPA and ULPA viruses, carbon dust
MERV 18	99.997%	99% or better	99% or better	
MERV 19	99.9997%	99% or better	99% or better	
MERV 20	99.99997%	99% or better	99% or better	

SIDDHI FILTER MEDIA™
FILTRATION EXPERT

OIL FILTER

Oil filters are crucial components in various machines, removing contaminants like dirt, metal particles, and wear debris from lubricating oils, ensuring optimal performance and longevity.

Type: Cylindrical
MOC: Stainless Steel, Synthetic Fibre, Cellulose
Frame: SS/Aluminium/GI
Size: Standard / Customised
Benefits: High flow rate, High Efficiency, Instantaneous adsorption, Stable pore shapes High temperature resistance, High differential pressure and with stand capacity, Increased Equipment Lifetime

OIL SEPERATOR FILTER

OIL ABSORBENT BAG

PERSONAL PROTECTIVE EQUIPMENT

ESD COVERALL

MOC: Polyester
Size: S,M,L,XL,XXL,XXXL
Finish: Antistatic, Lintfree
Benefit: Pharmaceutical-grade compliance certified by test results

ESD SHOE COVER

MOC: Polyester
Size: S,M,L,XL,XXL,XXXL
Finish: Antistatic, Lintfree
Benefit: Pharmaceutical-grade compliance certified by test results

DISPOSABLE COVERALL

MOC: Spunbond PP
Size: S,M,L,XL,XXL,XXXL
GSM: 70,90,110,140
Benefit: Breathable Fabric

DISPOSABLE APRON

MOC: Spunbond PP
Size: S,M,L,XL,XXL,XXXL
GSM: 70,90,110,140
Benefit: Breathable Fabric

PERSONAL PROTECTIVE EQUIPMENT

MECHANIC UNIFORM

MOC: Polyester, Polyester Blend, Cotton
Size: S,M,L,XL,XXL,XXXL
Benefit: Comfort & Breathability, Quick-drying

WORKER UNIFORM

MOC: Polyester, Polyester Blend, Cotton
Size: S,M,L,XL,XXL,XXXL
Benefit: Comfort & Breathability, Quick-drying

ALUMINSED APRON

MOC: Aluminized cloth with woolen lining
Size: L,XL,XXL
Benefit: Heat Proof

FIRE BLANKET

MOC: Aluminized cloth
Size: 2x2, 2x3, 4x4 ft. (custom size available)
Benefit: Safety Shield for work place

PERSONAL PROTECTIVE EQUIPMENT

LATEX GLOVES

Type: Powdered and powder free
Packing: 100 pieces per box
Powder content: <10.0mg/dm^2 max
Sterilization: Non sterile

NITRILE GLOVES

Type: Nitrile Rubber
Packing: 100 pieces per box
Powder content: <2.0mg/dm^2
Sterilization: Non sterile

STERILE GLOVES

Type: Latex powder free
Packing: 1 pair/pkt
Powder content: <2.0mg/dm^2
Sterilization: Ethylene Oxide/Gamma Irradiated

KEVLAR GLOVES

Type: Kevlar, Palm Leather Kevlar
Packing: 1 pair/pkt
Size: 14, 22 inches
Max Temp: 300 Degree Celsius

PERSONAL PROTECTIVE EQUIPMENT

POLYESTER MOP

MOC: Polyester, Synthetic Nonwoven Absorbant
Size: 9x9 /12x12 inch

POLYWIPE ROLL

MOC: Polyester, Cellulose
Size: 9x9 /12x12 inch
Number of sheets: 500 Sheets per roll

LINT FREE WIPE

MOC: Polyester
Size: 9x9 /12x12 inch
Number of sheets: 100 Sheets per pack
Benefit: Precision laser cut

DOTTED WIPE

MOC: Polyester
Size: 9x9 /12x12 inch
Number of sheets: 100 Sheets per pack
Benefit: High absorption quality

FILTER FABRICS

Filtration Fabric Weaving and Manufacturing

From wastewater treatment to food processing, Siddhi Filter Media offers a wide range of filtration solutions for various industries, including water supply, pharmaceuticals, chemicals, and pigments & coatings. Our expertise and innovative fabrics ensure optimal filtration performance for your specific needs.

High-Performance Filtration Fabrics

Our deep knowledge of yarn processing, including plying and weaving monofilament, multifilament, and staple yarns, allows us to create custom filter media tailored to your exact specifications. This guarantees optimal quality and performance for your unique application.

Full-Service Fabric Finishing and FIltration Fabric Systems

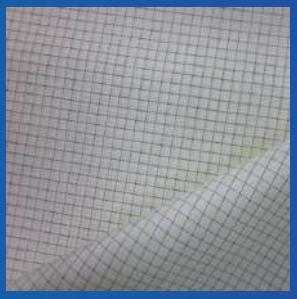
Siddhi Filter Media provides end-to-end fabric production for filtration solutions. Our services include plying, weaving, scouring, heat setting, and more. This ensures consistent quality and exceptional results for your unique application.

FILTER FABRICS

Siddhi Filter Media offers wide range of filter fabrics including woven and non-woven, which are manufactured from the genuine quality raw materials using high technolgy machines providing strong conductivity, durability, high abrasion resistance property to the fabric.

WOVEN

- Polyproplylene (Spun, Multi Filament)
- Polycotton Satin, Cotton & Cotton Satin
- Antistatic
- Epitropic
- Polyester / Terylene (Spun, Multi Filament)
- Nylon Bolting
- Nylon / HDPE
- Glass Fibre (with / without coating of Silicon, PTFE)
- Geotextile
- Mono Filament
- Reflective Polyester Blend
- Airslide
- Canvas

NON-WOVEN

- Polypropylene
- Polyester
- Polypropylene Sulphide (PPS)
- Nomex
- Hiloft

WITH FINISHES

- Acid Resistant
- Anti Adhesive
- Anti Static
- Fire Retardant
- Oil / Water Repellant
- Silicon & PTFE Coatings




GEOTEXTILES

Geotextiles are permeable fabrics used with soil, offering separation, filtration, reinforcement, protection, and drainage. They are essential in construction, landscaping, and erosion control projects.

APPLICATION

- Road and railway construction
- Drainage Systems
- Irrigation Systems
- Flood Protection
- Ports & Marines
- Landfills & Tunnel
- Reinforcement
- Erosion Control
- Agriculture
- Pond & Canal Lining
- Roofing
- Construction




PRODUCT TYPE

- Drainage Cells
- Geo Cells
- HDPE Geomembrane
- LDPE Geomembrane
- Root Shield
- Concrete Fibre
- Gabions
- Geotextile Tube
- Woven Geotextile
- Non-Woven Geotextile
- Paving Fabric
- Geobags
- Geogrids
- Geocomposites

PROPERTIES OF FIBRE FOR DRY FILTRATION

Fibre Type	Cotton	Polypropylene	Polyester	Homopolymer Acrylic	Nomex Polymetaphylene Isophtalamide	Ryton (PPS)	Glass Fibre	PTFE	Nylon
Temperature Limit (°C)	82	90	130	130	200	190	260	260	100
Water Vaporer Saturated Condition Moist Heat °C	82	90	94	130	177	190	260	260	NA
Max (Short Time Operation Tem °C (Dry Heat)	94	107	150	150	240	232	290	290	NA
Specific Density	1.5	0.9	1.34	1.17	1.38	1.38	2.54	2.3	NA
Relative Moisture Regain in %	8.5	0.1	0.4	1	4.5	0.6	0	0	NA
Support Combusion	Yes	Yes	Yes	Yes	No	No	No	No	NA
Resistance To Acid									
Hydrochloric Acid	Not Advisable	Good	Good	Good	Not Advisable	Good	Fair	Good	Not Advisable
Sulfuric Acid	Not Advisable	Good	Fair	Good	Not Advisable	Fair	Fair	Good	Not Advisable
Nitric Acid	Not Advisable	Good	Fair	Good	Not Advisable	Fair	Fair	Good	Not Advisable
Chromic Acid	Not Advisable	Good	Good	Good	Not Advisable	Not Advisable	Good	Good	Not Advisable
Aqua Regia	Not Advisable	Good	Fair	Good	Not Advisable	Not Advisable	Good	Good	Not Advisable
Acetic Acid	Good	Good	Good	Good	Fair	Good	Good	Good	Fair
Formic Acid	Fair	Good	Good	Good	Fair	Good	Good	Good	Not Advisable
Resistance To Alkali									
Aluminium Hydroxide	Fair	Fair	Not Advisable	Fair	Fair	Good	Good	Good	Fair
Sodium Hydroxide	Good	Good	Not Advisable	Fair	Fair	Good	Not Advisable	Good	Fair
Potassium Hydroxide	Good	Fair	Not Advisable	Not Advisable	Fair	Good	Not Advisable	Good	Fair

PROPERTIES OF FIBRE FOR DRY FILTRATION

Fibre Type	Cotton	Polypropylene	Polyester	Homopolymer Acrylic	Nomex Polymetaphylene Isophtalamide	Ryton (PPS)	Glass Fibre	PTFE	Nylon
Resistance To Salt									
Calcium Chloride	Good	Good	Good	Good	Fair	NA	Fair	Good	Not Advisable
Sodium Chloride	Good	Good	Good	Good	Good	Good	Fair	Good	Good
Zinc Chloride	Fair	Good	Not Advisable	Fair	Fair	NA	Good	Good	Not Advisable
Resistance to Oxiding Agent									
Hydrogen Peroxide	Good	Good	Fair	Good	NA	NA	Good	Good	Fair
Sodium Hypochlorite	Fair	Not Advisable	Good	Good	Fair	Not Advisable	Not Advisable	Good	Fair
Chlorine	Fair	Not Advisable	Fair	Fair	Not Advisable	Not Advisable	Not Advisable	Good	Not Advisable
Fluorine	Not Advisable	Good	Fair	Fair	NA	NA	Not Advisable	Good	Not Advisable
Resistance to Organic Solvent									
Acetone	Good	Fair	Good	Good	Good	Good	Good	Fair	Good
Carbon Tetrachloride	Good	Fair	Good	Good	Good	Good	Good	Good	Good
Ethyl Alcohol	Good	Good	Good	Good	Good	Good	Good	Good	Good
Methyl Ethyl Ketone	NA	Fair	Good	Good	Good	NA	Good	Good	Good
Tri-Chloro Ethylene	Good	Fair	Good	Good	Good	NA	Good	Good	Good
Toluene	Good	Not Advisable	Good	Good	Good	Fair	Good	Good	Good
Ethylene Glycol	NA	Good	Good	Good	Good	NA	Good	Good	Good
Resistance to Mineral Oil	Good	Good	Good	Good	Good	Good	Good	Good	Good

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

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