SIDDHI FILTER MEDIA™
FILTRATION EXPERT

Commitment in **Environmental** Control

DUST COLLECTION BAGS & FILTERS

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, Onkar 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, Onkar 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.

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-SFM Tiles


Construction


Automotive


Marine Systems


Smelting Plant


Air Ventilation Systems


Vaccum Systems


Pulp and Paper


SFM Textiles


Plastics and Polymers

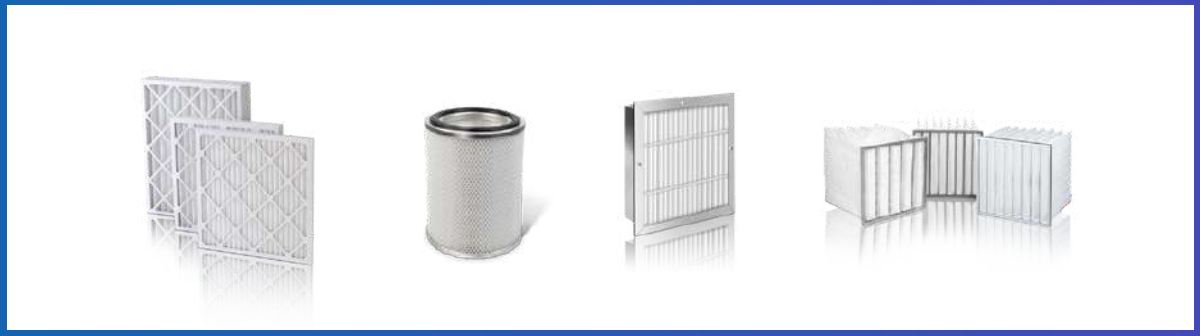
PRODUCT RANGE

Liquid Filter

Liquid 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.

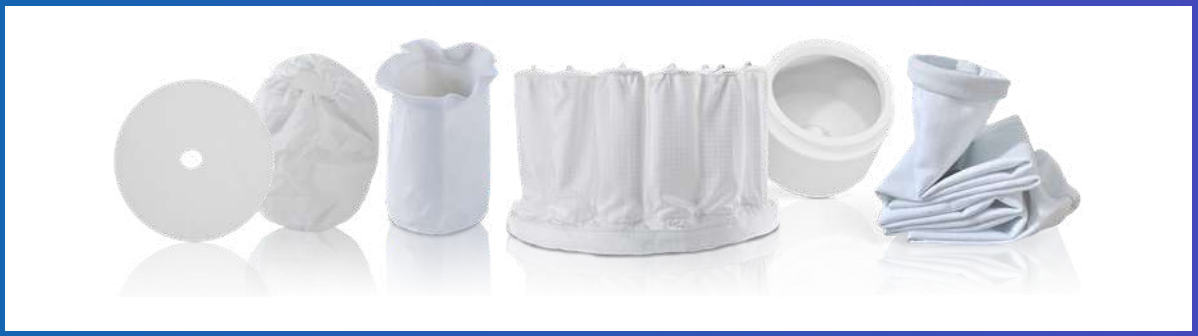
Air Filter

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.

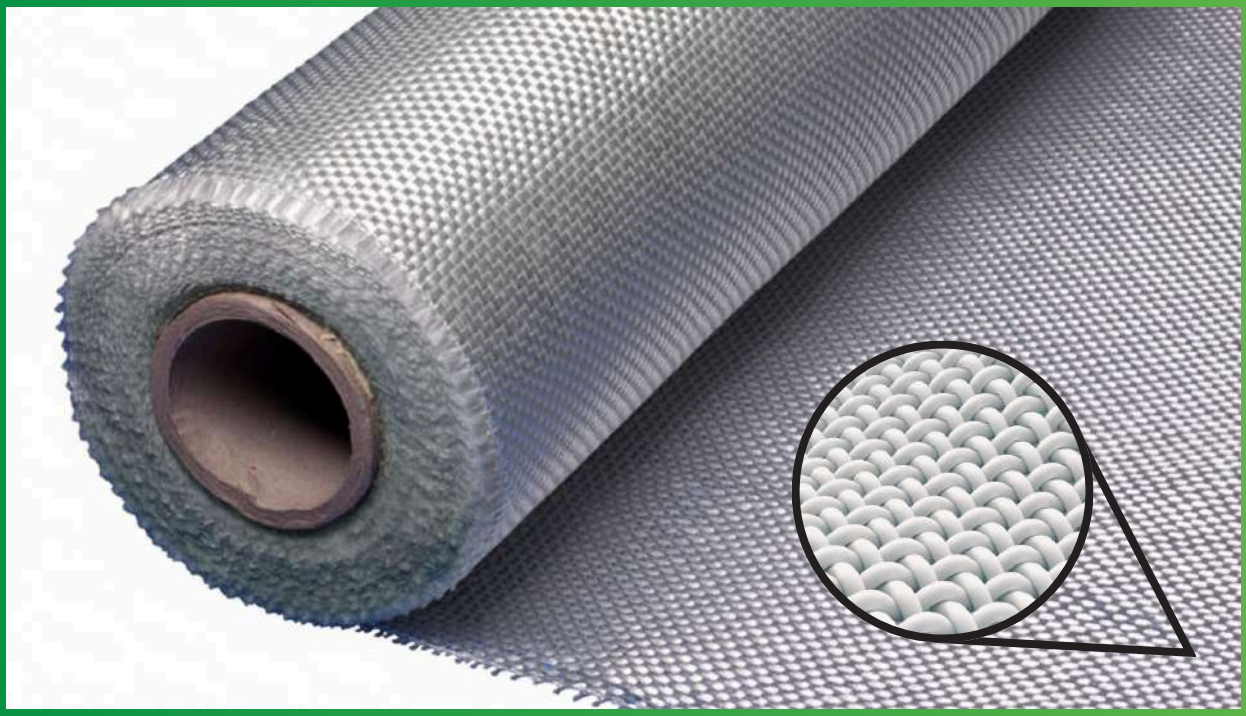


Bag Filter

Our bag filters, crafted from SFMtile 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.



WOVEN FABRICS



FABRICS

- Polyester
- Fiberglass
- PTFE
- Aramid

Fiberglass Reverse Air Bag House Fabrics - RABH

- Fiberglass PTFE Fabric
- Fiberglass SGT Fabric
- Fiberglass Acid Resistance Fabric

Fiberglass Pulse Jet Fabrics

- Fiberglass PTFE Fabric
- Fiberglass SGT Fabric
- Fiberglass Acid Resistance Fabric

ePTFE Membrane Laminated Glass Fabric

- Fiberglass PTFE Fabric
- Fiberglass SGT Fabric
- Fiberglass Acid Resistance Fabric

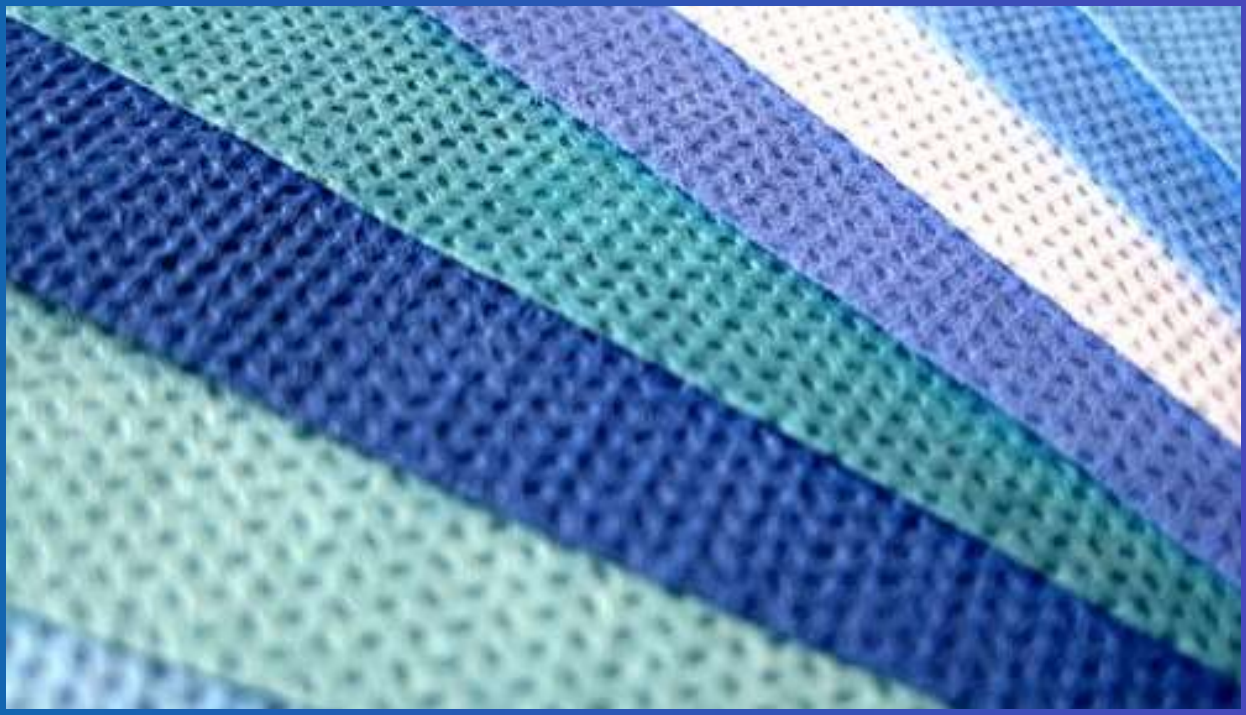
TAILORED TO YOUR APPLICATION

Conductive anti-static media for electrostatic discharge control.

Temperature resistance up to 450°C.

Moisture-repellent waxes, silicones, and fluorocarbon resins for water-repellent coatings.

NON-WOVEN FABRICS



FABRICS

- Nomex
- Coarse Fabric
- Polypropylene
- Polyester Non-Woven
- Homopolymer Acrylic
- PPS (Polyphenylene Sulphide)
- P-84 Polyimide
- 100% PTFE Felt
- FMS Non-Woven Fiberglass
- Special Microfine Fibers – Customised Filter Media

Designed for excellent resistance to acidic environments.

Fire-retardant for enhanced safety in high-risk environments.

MEDIA FINISHES

- ePTFE Membrane
- PTFE Treatment
- SGT Treatment
- Acid Resistant Antistatic
- Glazed
- Eggshell
- Fire Retardant

Microporous coating, PTFE membrane, and nanofiber surface treatments.

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.

STANDARD BAG DESIGN

COLLAR TYPE

ROD RING TYPE

FELT TYPE

SNAP BAND

FILTER BAG TYPES

- Reverse Air Filter Bags (RABH)
- Pulse Jet Filter Bags

FG 350 GSM SGT

ACID RESISTANT (RABH)

FG ACID RESISTANT with MEMBRANE

POLYESTER

FG 350 GSM SGT with MEMBRANE

PTFE with MEMBRANE

PTFE

POLYPROPYLENE

- Pulse Jet Filter Bags

PPS

FG 750 GSM ACID RESISTANT

P84

100% PTFE FELT

FG 750 GSM ACID RESISTANT with MEMBRANE

FMS

FG 750 GSM PTFE

ARAMID

FG 750 GSM SGT GLASS FABRIC

FG 750 GSM SGT GLASS FABRIC with MEMBRANE

HOMOPOLYMER ACRYLIC

MIXED FELT

- Other Bag Filters

MULTI POCKET SHAKER BAG

PP LIQUID FILTER BAG

MESH FILTER BAG

EXHAUST AIR FILTER

SELECTION OF RIGHT MEDIA FOR APPLICATION CASE

Application Temperature	Condition 1	Condition 2	Recommended Filter Media
80°C – 135°C	Conductive Not Required	Moisture < 5%	SFM-PET
	Conductive Not Required	Moisture > 5%	SFM-PET + OWR
	Conductive Required	Moisture < 5%	SFM-PET + AS
	Conductive Required	Moisture > 5%	SFM-PET + AS + OWR
135°C – 200°C	Moisture < 5%	—	SFM-NX / SFM-P84 / SFM-PPS
	Moisture > 5%	Acid < 2%	SFM-NX / SFM-P84 / SFM-PPS
	Moisture > 5%	Acid > 2%	SFM-PPS
Above 200°C	—	—	SFM-P84 / SFM-PTFE / SFM-W-FG / SFM-W-FG-M

QUALITY ASSURANCE PLAN FOR BAG PRODUCTION

QAP FOR FILTER MEDIA
(BEFORE ISSUING IN BAG PLANT)

- 100% VISUAL INSPECTION
- PHYSICAL PROPERTIES TESTING (BATCH WISE)
- THERMAL PROPERTIES TESTING (BATCH WISE)

QAP FOR FINISHED FILTER BAGS

- VISUAL INSPECTION
- DIMENSIONAL INSPECTION
- FITMENT INSPECTION

FILTER MEDIA SELECTION – NON WOVEN (QR)

GENERAL SPECIFICATIONS

Parameter	Unit
Weight Tolerance	±10%
Thickness Tolerance	±10%
Tensile Strength	lbs/inch (N/cm)
Air Permeability	cfm/sq.ft ($cm^3/cm^2/s$)
Mullen Burst	psi (kPa)
Operating Temperature	°C
Finish	As specified
Construction	Non-woven

APPLICATIONS, DUST TYPES & MARKETS

Product Category	Typical Applications	Dust Types	Markets
PET / PET-OWR	Ambient dust collection	Flour, sugar, starch, minerals, wood dust	Food, pharma, plastics, metalworking
PET-AS	Static-sensitive filtration	Cement, carbon black, polymers	Cement, pharma, chemical
PPS	High-temperature flue gas	Fly ash, metal oxides	Boilers, power plants, smelting
FMS	Extreme temperature filtration	Fly ash, metal oxides	Waste incineration, boilers, smelting

Material	Finish / Treatment	Weight (oz/yd² / g/m²)	Thickness (mm)	Tensile Strength (Warp / Weft)	Air Permeability	Mullen Burst	Operating Temp (Cont / Peak)	Acid Resistance	Alkali Resistance	Hydrolysis Resistance
Polyester	None	16.2 / 550	1.8	>88 / >110	24–32 / 12–16	500 / 3450	≤135 / ≤150	Good	Satisfactory	Sufficient
Polyester	Water & Oil Repellent	16.2 / 550	1.8	>88 / >110	24–32 / 12–16	500 / 3450	≤135 / ≤150	Good	Satisfactory	Sufficient
Polyester	PTFE Membrane Lamination	16.2 / 550	1.8	>200 / >100	16–40 / 8–20	500 / 3450	≤160 / ≤190	Good	Good	Satisfactory
Anti-Static Polyester	Water & Oil Repellent	16.2 / 550	1.8	>200 / >100	24–32 / 12–16	500 / 3450	≤160 / ≤190	Good	Good	Satisfactory
Anti-Static Polyester	PTFE Membrane Lamination	16.2 / 550	1.8	>200 / >100	12–16	425 / 3000	≤160 / ≤190	Good	Good	Satisfactory
PPS	PTFE Membrane Lamination	16.2 / 550	1.8	>88 / >200	4–16 / 2–8	425 / 3000	≤250 / ≤280	Excellent	Excellent	Excellent
PPS	Water & Oil Repellent	16.2 / 550	1.8	>88 / >200	4–16 / 2–8	425 / 3000	≤250 / ≤280	Excellent	Excellent	Excellent
PPS	PTFE Membrane Lamination	16.2 / 550	1.8	>88 / >110	4–16 / 2–8	500 / 3450	≤250 / ≤280	Excellent	Excellent	Excellent
Fiberglass	Water & Oil Repellent	26.5 / 900	2.4	>88 / >110	30–50 / 15–25	425 / 3000	≤250 / ≤280	Excellent	Excellent	Excellent
Fiberglass	PTFE Membrane Lamination	26.5 / 900	2.4	>88 / >110	4–16 / 2–8	425 / 3000	≤250 / ≤280	Excellent	Excellent	Excellent

FILTER MEDIA SELECTION – WOVEN

GENERAL SPECIFICATIONS

Parameter	Value
Fabric Type	Woven Glass Fiber
Weave Pattern	Double Filling Face
Weight	22–25 oz/yd² (750–850 g/m²)
Thickness	0.8 mm
Tensile Strength (Warp / Weft)	>375 / >420 lbs/in
Mullen Burst Strength	>600 psi
Air Permeability	4–10 cfm/ft²
Elongation @ Break	≤10%
MIT Flex Test	≥8000 cycles
Continuous Temperature	≤260°C
Peak Temperature	≤290°C

APPLICATIONS, DUST TYPES & MARKETS

Industry	Typical Use
Boilers & Power Plants	Coal & biomass-fired units
Cement & Foundries	High dust load processes
Carbon Black	Fine particulate filtration
Waste Incineration	Industrial & municipal plants
Process Industries	Asphalt, sugar, paper, chemicals, pharma

Common Point	SFM-SGT	SFM-SGT+M	SFM-PTFE	SFM-PTFE+M	SFM-AR	SFM-AR+M
Base Fabric	Woven Glass Fiber	Woven Glass Fiber	Woven Glass Fiber	Woven Glass Fiber	Woven Glass Fiber	Woven Glass Fiber
Weave Pattern	Double Filling Face	Double Filling Face	Double Filling Face	Double Filling Face	Double Filling Face	Double Filling Face
Surface Finish	SGT	SGT	PTFE	PTFE	Acid Resistant	Acid Resistant
PTFE Membrane	No	Yes	No	Yes	No	Yes
Weight (g/m²)	750–850	750–850	750–850	750–850	750–850	750–850
Thickness (mm)	0.8	0.8	0.8	0.8	0.8	0.8
Tensile Strength – Warp (lbs/in)	>375	>375	>375	>375	>290	>290
Tensile Strength – Weft (lbs/in)	>420	>420	>420	>420	>400	>400
Air Permeability (cfm/ft²)	4–10	4–10	4–10	4–10	4–10	4–10
Continuous Temp (°C)	≤260	≤260	≤260	≤260	≤260	≤260
Peak Temp (°C)	≤290	≤290	≤290	≤290	≤290	≤290
Chemical Resistance	Moderate	Moderate	Good	Good	Excellent	Excellent
Typical Dust Type	Coal Ash	Coal Ash	Abrasive Dust	Abrasive Dust	Sulphur-Bearing Dust	Sulphur-Bearing Dust
Typical Applications	Boilers, Carbon Black	Boilers, Carbon Black	Utility Boilers	Utility Boilers	Cement, Foundries	Cement, Foundries

CARTRIDGES FILTER

STANDARD CARTRIDGE

SCREW BONDED

THREAD TYPE FILTER CARTRIDGE

LUG TYPE CARTRIDGE FILTER

RECTANGULAR FLANGE TYPE CARTRIDGE

OPEN CAP TYPE CARTRIDGE

ENCLOSED CAP TYPE CARTRIDGE

CONICAL FILTER CARTRIDGE

PUSH PUSH / PUSH PULL FILTER CARTRIDGE

BAYONET CARTRIDGE

DRUM FILTER CARTRIDGE

SS WIRED MESH CARTRIDGE

APPLICATION GUIDELINES

- Ideal for fine dust and low-to-medium dust load applications
- Compact design with higher filtration area
- Easy installation and replacement
- Suitable for indoor dust collectors and localized extraction systems

CARTRIDGE FILTERS
GENERAL SPECIFICATIONS

Parameter	Common Specification
Cartridge Types	Standard, Screw Bonded, Thread Type, Lug Type, Rectangular Flange, Open Cap, Enclosed Cap, Conical, Push-Pull, Bayonet, Drum, SS Wire Mesh
Filter Media	Cellulose / Polyester / Spunbond / PTFE Membrane / Nanofiber / SS Wire Mesh
Filtration Efficiency	Up to 99.9% @ ≥0.3 micron (media dependent)
Micron Rating	0.5 – 50 micron
Operating Temperature	Up to 120°C (Polymer media), up to 260°C (SS mesh / special media)
Maximum Differential Pressure	1500 – 2500 Pa
Cleaning Method	Pulse Jet (Compressed Air)
End Cap Construction	Galvanized Steel / Stainless Steel / Molded Polyurethane
End Cap Design	Open End / Closed End / Threaded / Lug / Bayonet
Gasket Type	Neoprene / EPDM / Silicone
Inner Support Core	Galvanized / SS Perforated Metal or Expanded Mesh
Outer Protection	Expanded Metal / Wire Mesh / None (Design dependent)
Pleat Configuration	Vertical Pleat / Wide Pleat / Deep Pleat
Standard Lengths	600 mm / 660 mm / 1000 mm / Custom
Outer Diameter	150 – 350 mm (Design dependent)
Mounting Type	Top Load / Bottom Load / Push-Pull / Bayonet / Threaded / Lug Type (varies by cartridge design)
Applications	Fine dust, abrasive dust, fumes, sticky dust, product recovery

VALUE ADDITIONS

- Customized media selection based on application
- In-house quality assurance & testing
- Technical support for selection, installation & commissioning
- Quick turnaround and consistent supply

INDUSTRIES WE SERVE
USAGE & KEY SPECIFICATIONS

Cement & Building Materials
Applications include kiln, raw mill, clinker cooler, cement mill and coal mill dust collection. Filtration solutions are designed to handle high dust loads, abrasive particles, and elevated temperatures while ensuring consistent emission control.

Power Plants & MSW Incinerators
Applied in coal-fired power plants, biomass boilers, and municipal solid waste incineration units. Designed to withstand high temperatures, corrosive flue gases, and fine fly ash while maintaining low emission levels.

Steel, Foundry & Metal Processing
Used in sinter plants, blast furnaces, electric arc furnaces, casting, and metal finishing operations. Filters are engineered to manage hot gases, metallic fumes, and abrasive dust under continuous and intermittent operating conditions

Textile & Paper Industry
Applied in fiber processing, drying, cutting, and finishing operations. Effective for handling lint, fibrous dust, and lightweight particulate matter with stable airflow and long service life.

Food & Beverage Processing
Used in milling, blending, packaging, and ingredient handling processes. Emphasis is placed on hygienic operation, fine dust control, product recovery, and compliance with food-grade safety standards.

Minerals, Mining & Lime Industry

Used in crushing, grinding, calcination, and material transfer points. Filters are built to manage heavy dust loads, highly abrasive particles, and variable operating temperatures.

Chemical & Pharmaceutical Industry

Suitable for reactors, dryers, mixers, and material handling systems. Filtration media is selected for chemical resistance, fine particle retention, and compliance with stringent process and environmental requirements.

Carbon Black & Asphalt Plants

Designed for high-temperature, sticky, and fine carbonaceous dust. Filtration systems focus on durability, resistance to chemical attack, and maintaining low pressure drop under demanding conditions.

0 *dust leakage.*

Our precise stitching ensures zero dust leakage.

100+

Fabrics & Media for Custom High-Efficiency Filters

Fast Delivery. Reliable After-Sales Service.

ENGINEERING CLEANER EMISSIONS

Industrial processes generate high-temperature gases carrying abrasive and chemically active particulate matter.
If not managed correctly, these emissions accelerate equipment wear, compromise process stability, and pose long-term environmental and health risks.

Effective emission control is no longer optional—it is a core requirement for sustainable and compliant plant operations. A well-designed filtration system ensures stable performance, regulatory compliance, and extended equipment life under demanding operating conditions.

OUR APPROACH TO RELIABLE EMISSION CONTROL

Filtration performance is not defined by the filter bag alone.
It is the result of a structured, system-level approach.

A PROVEN FILTRATION STRATEGY

SYSTEM EVALUATION

Detailed assessment of baghouse condition, gas characteristics, dust behavior, and operating parameters.

MEDIA ENGINEERING & SELECTION

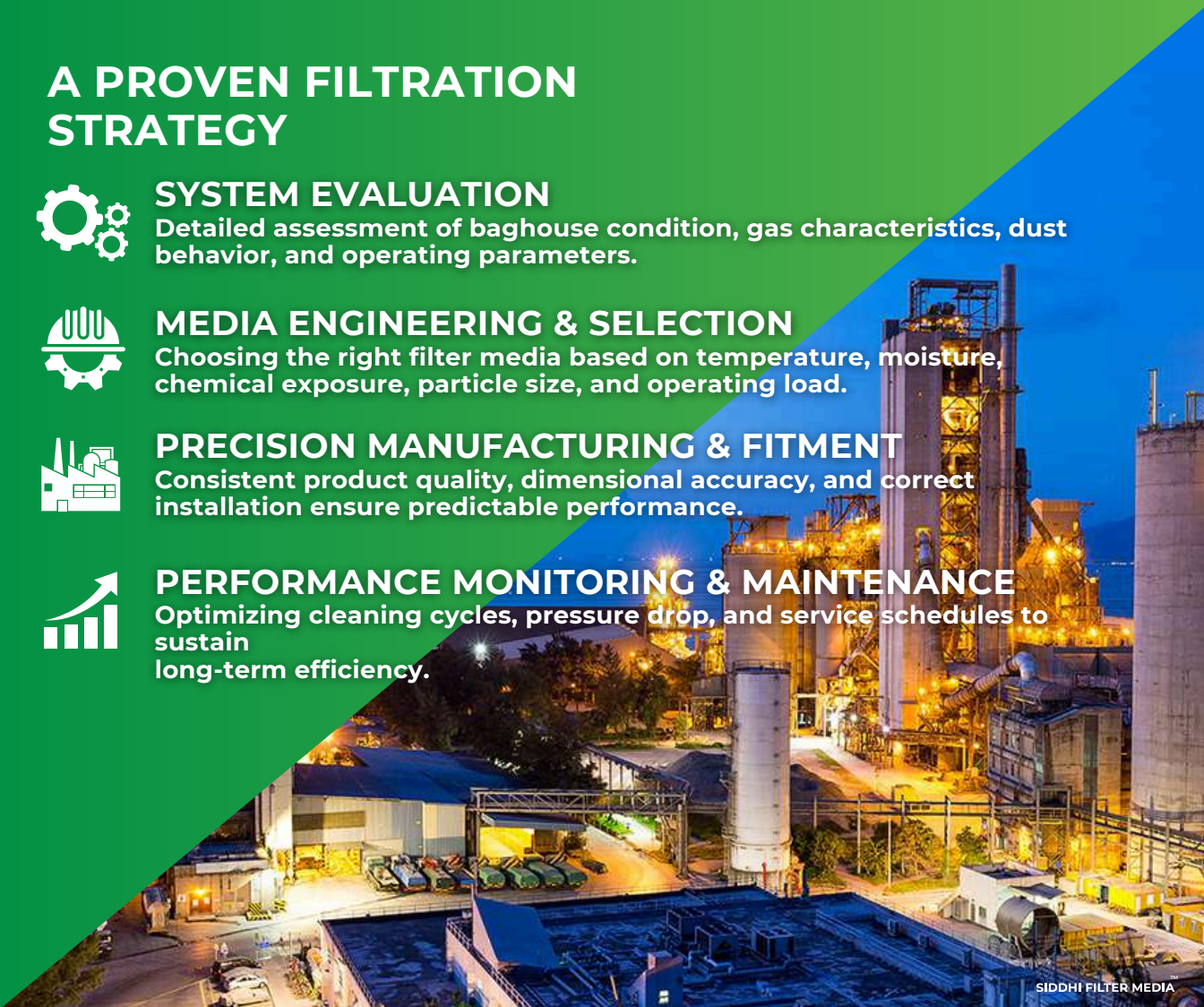
Choosing the right filter media based on temperature, moisture, chemical exposure, particle size, and operating load.

PRECISION MANUFACTURING & FITMENT

Consistent product quality, dimensional accuracy, and correct installation ensure predictable performance.

PERFORMANCE MONITORING & MAINTENANCE

Optimizing cleaning cycles, pressure drop, and service schedules to sustain long-term efficiency.



CAGES & ACCESSORIES

FILTER CAGE

We manufacture cages using premium-grade raw materials to ensure durability, structural strength, and long service life.

Available in multiple material grades, design configurations, construction types, and surface finishes, our cages are engineered to meet diverse operating and application requirements.

Cage constructions are available with 8, 10, 12, 18, or 20 vertical wires and can also be customized to customer requirements. Each cage undergoes strict in-house quality inspections by a specialized team, with checks performed as per international standards, including weld strength, straightness, and ovality, to ensure reliable performance.

Cages are fabricated from

- Galvanized carbon Steel
- 304 Stainless Steel
- 316 Stainless Steel
- Mild Steel

Split Designs

- Ring to Ring
- Locking Twist
- Lock Groove Split
- Lock Slide Lock

Types of cages

- Single Piece Type
- Split Type
- Round Type
- Flat Type

Types of Surface Finish

- Heat-Resistant Aluminum Paint
- Heat-Resistant Black Paint
- Galvanized Finish
- Epoxy Powder Coating

ACCESSORIES

TENSIONING ASSEMBLY

CLAMPS

CAGE VENTURIES

PNEUMATIC VALVES

SIDDHI FILTER MEDIA™

FILTRATION EXPERT

ISO 9001 : 2015

SCAN

TO VISIT WEBSITE

www.siddhifilter.in

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

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