

NORTH ASTER

HIGH-PERFORMANCE

AIR FILTRATION

&

WATER FILTRATION

PRODUCTS WITH PRECISION ENGINEERING



PETROLEUM



CHEMICAL



PHARMACEUTICALS



FOOD & DAIRY



ENERGY



DESALINATION

NORTH ASTER LIMITED

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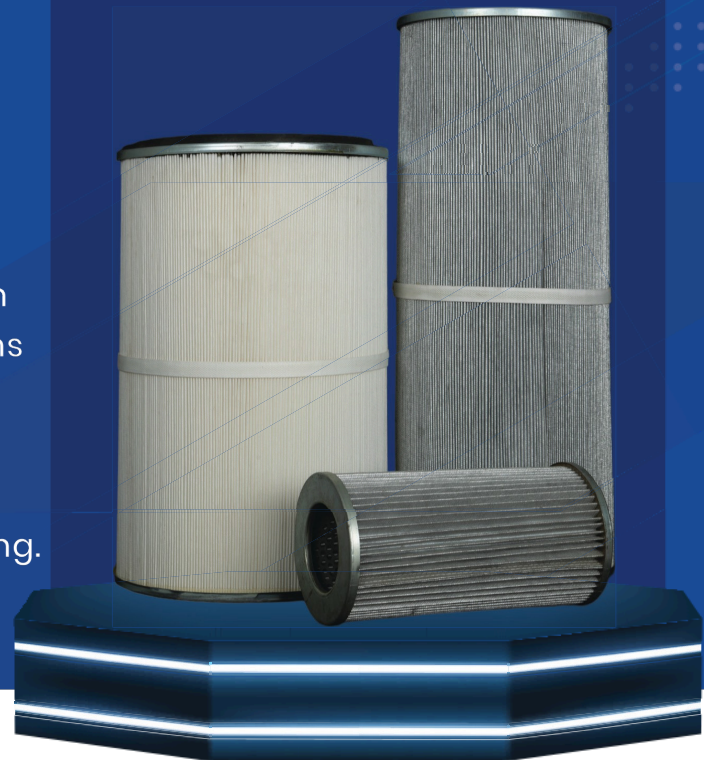
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PLEATED FILTER CARTRIDGES

**LONG-LASTING PERFORMANCE,
SYSTEM COMPATIBILITY, AND
CUSTOMIZED SIZING**

- Pleatex Pleated Cartridges are offered in tailored fabric, coating, and pleat options for adaptable filtration solutions.
- Crafted for enduring performance and compatibility with various systems.
- Flexible fitment options and tailored sizing.



Technical Name	Pleated Cartridges
Fabric	Spun bonded, Polypropylene, Aramid (Nomex), PPS, PTFE, Cellulose
Coating on Fabric	PTFE membrane lamination, Oil and Water repellent Antistatic, Oil and water repellent + antistatic PTFE coating
Pleats	16mm – 48mm (standard pleats) As required by the customer
Top & Bottom	SS, Aluminium, MS
Fitment	3 lugs/Din/PCD type Loading from top or from bottom as required
Length	3 Lug: 150, 222 & 325mm size Din Type Size: as required by the customer PCD Type Size: as required by customer
OD	3 Lug: 150, 222 & 325mm size Din Type Size: as required by the customer PCD Type Size: as required by customer
ID	According to OD
Length	As required by customer



PLEATED FILTER BAGS

**DURABLE, COMPATIBLE, AND
OPTIMAL FOR VARIOUS
FILTRATION SYSTEMS.**

- Different fabric options with various coatings and flexible pleat depths.
- Compatible with various filtration systems.
- Made with durable materials.



Technical Name	Pleated Filter Bags
Fabric	Spun bonded: Polyester, Polypropylene, Aramid, PPS, PTFE Non woven: Polyester, Aramid, PPS, PTFE Coating
Coating	PTFE membrane lamination, Oil and Water repellent, Antistatic, Oil and water repellent + antistatic, PTFE coating
Pleats	16mm & 25mm (standard pleat depth) As required by the customer
Top & Bottom	Mild Steel, Galvanized Iron, Stainless steel, Polyurethane
Fitment suitable for cell plate diameter	130mm, 160mm, As required by the customer
Length	As required by customer

DUST COLLECTOR BAGS

CUSTOMIZABLE EFFICIENCY, TAILORED FILTRATION WITH VERSATILE FABRICS, FITMENT OPTIONS, AND LENGTH CUSTOMIZATION.

- Efficient Dust Capture with Variable coatings.
- Offering a variety of fabrics for tailored filtration.
- It can be modified as per customer requirements and applications.



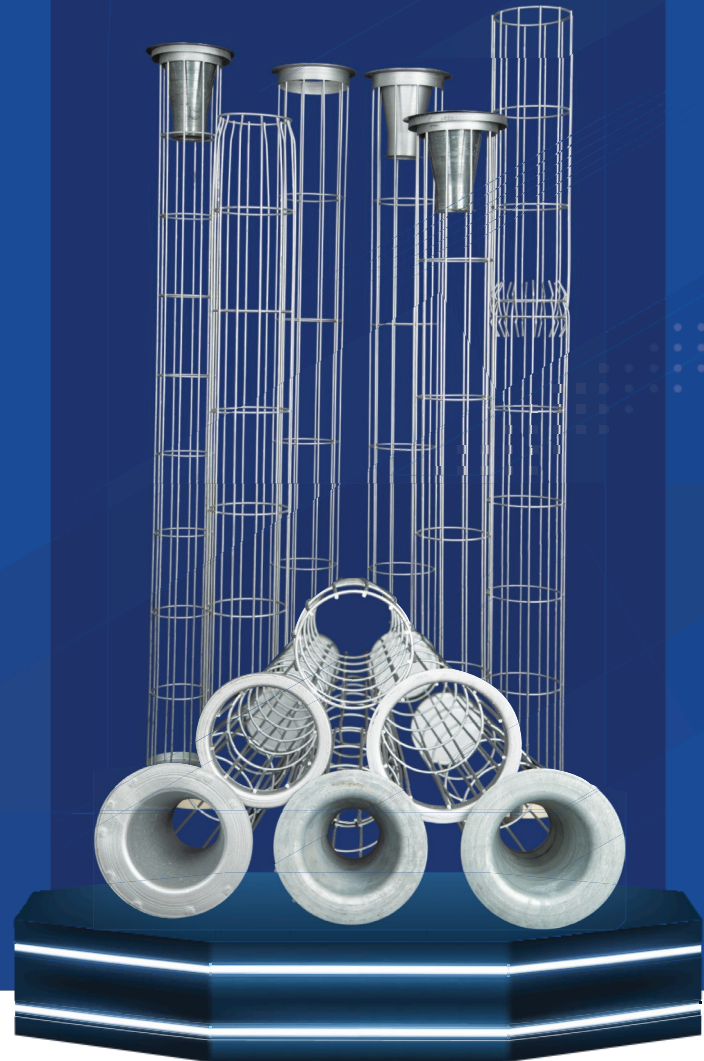
Technical Name	Non Woven Dust Collector bags Woven Dust Collector bags
Fabric	Polyester, Meta-aramid (Nomex), Acrylic homopolymer, Acrylic co-polymer, Polyphenylene Sulphide (PPS), Polyimide (P84), Glass Fibre, Polypropylene, PTFE
Coating on Fabric	Oil and water repellent, Antistatic, Oil and water repellent + antistatic PTFE coating, PTFE membrane lamination
Fitment	Snap Band/Collar/Rope type
Joint	Stitching/Heat Sealing
ID & OD	As required by the customer
Length	As required by the customer

CAGES

FOR DUST COLLECTOR FILTER BAGS

**HIGH-END CAGES MANUFACTURED
WITH PRECISION, VARIABLE CONFIGURATIONS,
AND ROBUST SUPPORT GRIDS.**

- Offer material options like Mild Steel, Stainless Steel, and Galvanized Iron for diverse filtration conditions.
- Variable rods and rings meet unique filtration requirements.
- Support grids & diverse Venturi options like Stainless Steel, Galvanized Iron, Cast Iron, and Aluminium.
- Automatic Welding



MOC	MS SS GI
No. of Rods	As required by the customer
No. of Rings	As required by the customer
Thickness of wire	3mm to 4mm
Venturi MOC	SS, GI, Cast Iron, Aluminium
Length	As required by the customer



WOUND FILTER CARTRIDGE

**WOVEN FOR PURITY,
ENGINEERED FOR BRILLIANCE**

- Best Quality Yarn wound with High Precision.
- Higher Dirt Holding Capacity
- Increases life and efficiency of the filter.



Technical Specification

Raw Material	Polypropylene / Polyester / Cotton
Spinning Technology	DREF friction spun yarn count of yarn: 0.4-1.0 Ne
Core Spun Yarn	PP, SS, tinned steel

MELT BLOWN FILTERS

ENGINEERED FOR EXCEPTIONAL FILTRATION, THERMAL STABILITY, AND EXTENDED SERVICE LIFE

- suited for fine particle filtration and coarse filtration.
- Compatible with a wide range of fluids, including water, chemicals, oils, and gases.
- Longer service life.



Technical Name	Melt Blown Filter Cartridges (High Density)
Raw Material	Virgin Polypropylene
ID	20-35mm±
OD	40-114mm±
Length	5"-70" 127mm to 1778mm
Microns	0.5-100μ
Construction	Polypropylene fibres are extruded through tiny Perforations under pressure and high temperature on a rotating mandrel, forming three layers for gradient filtration.
Flow	1m ³ per hour per 10" at pressure of 3.5Kg/cm ²
Temperature	Max. 60° C

PLEATED FILTER CARTRIDGES

TAILORED FOR PURE WATER WITH PRECISE DESIGN

- Innovative construction ensures pure water consistently in a sleek, seamless 20-inch design.
- Customized precision with micron options ranging from 0.1 to 10 μ .
- Constructed with premium virgin polypropylene.



Technical Name	PP Pleated Filter Cartridges
Raw Material	Virgin Polypropylene
ID	27 mm
OD	65 mm or as required by customer
Length	5" 10" 20" 30" 40" & 50"
Microns	0.1, 0.2, 0.45, 1, 2, 5 & 10 μ
Construction	Inside and outside perforated core, In between pleated membrane filtration media.
Top & Bottom	DOE (Double open end) SOE (Single open end)
Flow	1m ³ per hour per 10" at pressure of 2.5kg/cm ²
Temperature	60° C



HIGH FLOW PLEATED FILTER CARTRIDGE

**HIGH FLOW RATE, AND ROBUST
CONSTRUCTION FOR OPTIMAL
PARTICLE CAPTURE.**

- Comes with a filtration area and versatile chemical compatibility
- High flow rate, coupled with robust construction for long-lasting durability
- Optimal particle capture and has good dirt-holding capacity.



Application

Sea water desalination

Oil & Chemical

Food and Beverages

White Fuels

Process Water

Amine, Glycol

Power plant water treatment

Naphtha, HC Condensate

RO Guard Pre-filtration

Steel mill water treatment

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