



**RYB Hindustan
Filtration**
SAY NO TO IMPURITIES

PRODUCT

CATALOGUE

Reliable Filters for Critical Applications

PRE, FINE & HEPA MINI-PLEAT FILTERS



PRE FILTERS

FINE FILTERS

MINI-PLEAT FILTERS

HEPA FILTERS

HYDRAULIC OIL FILTERS

BAG FILTERS

POCKET FILTERS

DUST COLLECTOR FILTERS



ABOUT US

RVB Hindustan Filtration was established in 2017 with a vision to provide reliable and high-quality filtration solutions. We specialize in manufacturing a wide range of Air, Oil, Water, and Gas Filters, designed for efficient performance and long service life.

OUR SERVICES

- Manufacturing of Air, Oil, Water & Gas Filters
- Custom Filter Design & Production
- Industrial Filtration Solutions
- Replacement Filters for Various Applications
- Quality Assurance & Timely Delivery

OUR PRODUCT RANGE

1. Air Filters

We manufacture a wide range of air filtration products designed for efficient removal of dust and airborne particles.

Products Include:

- Pre Filters (Washable / Non-Washable)
- Fine Filters (F5–F9)
- HEPA Filters (H13–H14, 0.3 Micron)
- Mini Pleat HEPA Filters
- Pocket / Bag Filters

Technical Details:

- Media: Synthetic / Microglass Fiber
- Frame: Aluminium / GI / SS
- Efficiency: Up to 99.97% @ 0.3 Micron
- Application: HVAC, Cleanrooms, Pharma, Hospitals

PRE FILTER:

Primary filtration unit for coarse dust removal (≥ 5 microns).

Frame MOC: Aluminium / GI / SS

Media: Synthetic non-woven / washable mesh

Efficiency: G2–G4 (70–90%)

Application: AHU, HVAC systems, ventilation units

FINE FILTER:

Fine Filter:

Secondary filtration for medium to fine particles (1–3 microns) with high dust holding capacity.

Frame MOC: Aluminium / GI

Media: Synthetic fiber / melt-blown media

Efficiency: F5–F9 (85–95%)

Application: Pharmaceuticals, hospitals, food industry, HVAC

HEPA FILTER:

High-efficiency filtration for ultra-fine particles (0.3 microns) used in critical environments.

Frame MOC: Aluminium / GI / SS

Media: Micro glass fiber

Efficiency: H13–H14 (99.97%–99.995%)

Application: Cleanrooms, pharma, hospitals, electronics

MINI PLEAT HEPA FILTER:

Compact high-efficiency filter with closely spaced pleats for low pressure drop and high airflow capacity.

Frame MOC: Aluminium / GI / SS

Media: Micro glass fiber (minipleat design with hot melt separators)

Efficiency: H13–H14 (99.97%–99.995%)

Application: Cleanrooms, laminar flow units, AHU, pharmaceuticals, hospitals

OVEN FILTERS (HIGH TEMP.UPTO 350 DEGREE)

Filter Type

High Temperature Oven Air Filter

Media

Synthetic / Glass Fiber (High Temp Resistant)

Frame Material

GI / Aluminium / SS 304

Sealant

High Temperature Resistant Sealant

Gasket

Silicon / Neoprene

Efficiency

85% – 95% (EU5 – EU8)

Temperature Range

Up to 250°C (Custom up to 300°C)

Initial Pressure Drop

100 – 150 Pa

Final Pressure Drop

Up to 300 Pa

Air Flow Capacity

As per design / requirement

Construction

Box Type / Flange Type

Application

Powder Coating Ovens, Paint Booths, Industrial Ovens



WATER CARTRIDGE FILTERS

Water cartridge filters are used for removal of suspended particles, sediments, and contaminants in industrial water treatment systems like RO plants, chemicals, food & beverage, and pharmaceuticals.

PP SPUN (MELT BLOWN) FILTERS

Made from 100% polypropylene with graded density for depth filtration. High dirt holding, low pressure drop, and chemical resistant.

Micron: 1–100

Use: RO pre-filtration, borewell water, chemicals

WATER CARTRIDGE FILTERS

Yarn wound over core for deep filtration and high dirt load handling. Suitable for viscous fluids.

Micron: 1–200

Use: oils, paints, wastewater

WATER CARTRIDGE FILTERS

Pleated design gives larger surface area, high flow rate, and fine filtration. Washable in many cases.

Micron: 0.2–50

Use: pharma, food, final filtration

FILTER DETAILS & EFFICIENCY TABLE

Filter Type	Micron Rating	Efficiency (%)	Filtration Type	Applications
Spun Filter	1–100 Micron	85–95%	Depth	RO, Borewell, Chemicals
Wound Filter	1–200 Micron	80–90%	Depth	Oils, Paints, Wastewater
Pleated Filter	0.2–50 Micron	95–99.9%	Surface + Depth	Pharma, Food, Final Filtration

STANDARD SIZES

10", 20", 30", 40" (Jumbo available)

END CONNECTION

DOE | SOE (222 / 226) | Fin Type

APPLICATIONS

RO Systems | Pharma | Food | Chemicals | Power Plants

WATER CARTRIDGE FILTER HOUSINGS

Water cartridge filter housings are designed to hold single or multiple filter cartridges for efficient removal of suspended particles and contaminants in water filtration systems.

TYPES OF HOUSINGS

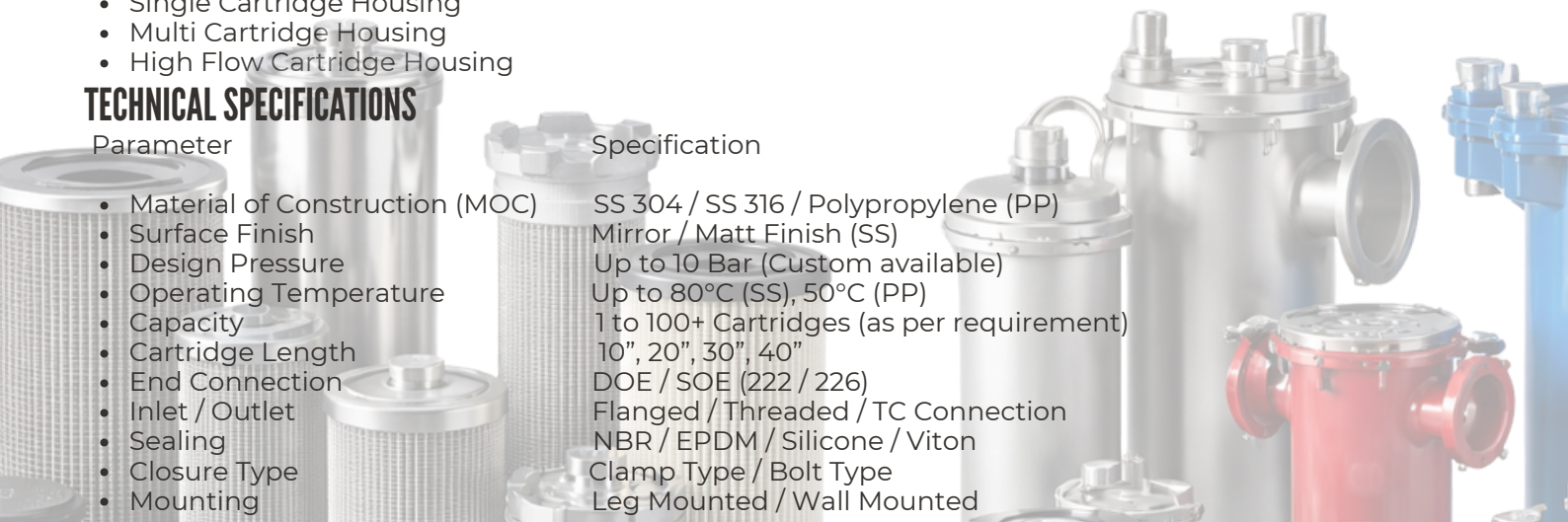
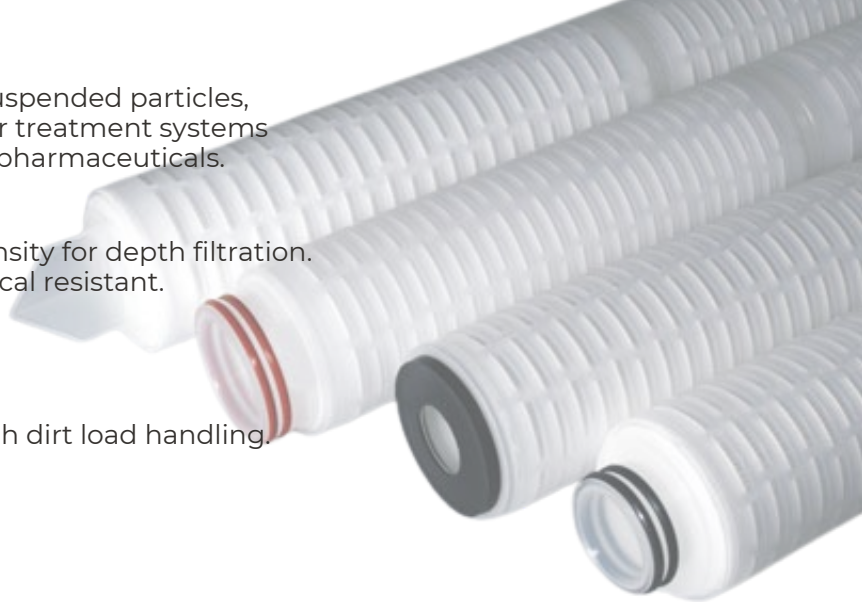
- Single Cartridge Housing
- Multi Cartridge Housing
- High Flow Cartridge Housing

TECHNICAL SPECIFICATIONS

Parameter

Specification

- Material of Construction (MOC) SS 304 / SS 316 / Polypropylene (PP)
- Surface Finish Mirror / Matt Finish (SS)
- Design Pressure Up to 10 Bar (Custom available)
- Operating Temperature Up to 80°C (SS), 50°C (PP)
- Capacity 1 to 100+ Cartridges (as per requirement)
- Cartridge Length 10", 20", 30", 40"
- End Connection DOE / SOE (222 / 226)
- Inlet / Outlet Flanged / Threaded / TC Connection
- Sealing NBR / EPDM / Silicone / Viton
- Closure Type Clamp Type / Bolt Type
- Mounting Leg Mounted / Wall Mounted



AHU (AIR HANDLING UNIT)

High-performance AHU systems designed for efficient air circulation, filtration, and temperature control. Equipped with multi-stage filtration (Pre + Fine/HEPA), high-efficiency blowers, and corrosion-resistant casing. Available in airflow capacities ranging from 1,000 to 50,000 CFM with customizable cooling/heating coil options.

Parameter	Specification
Airflow Capacity	1,000 – 50,000 CFM
Static Pressure	Up to 100 mm WC
Filtration	Pre Filter + Fine / HEPA Filter
Fan Type	Centrifugal / Plug Fan
Cooling Coil	Copper Tube + Aluminium Fins
Casing	Double Skin (PUF Insulated)
Motor Power	1 HP – 25 HP
Application	HVAC, Clean Rooms, Industries



AIR WASHER

Advanced air washer units that effectively remove dust, pollutants, and odors while maintaining optimal humidity levels. Features include high-efficiency spray nozzles, PVC/SS filling media, and heavy-duty blower systems. Suitable for large airflow volumes with low power consumption and efficient cooling performance.

Parameter	Specification
Airflow Capacity	5,000 – 60,000 CFM
Cooling Efficiency	Up to 85%
Pump Type	Submersible / Centrifugal
Filter Media	PVC / Wooden / Honeycomb Pads
Body Material	GI / SS / FRP
Fan Type	Axial / Centrifugal
Water Tank Capacity	100 – 1000 Liters
Application	Industrial Cooling & Ventilation



HEAT EXCHANGER

Robust and energy-efficient heat exchangers engineered for optimal heat transfer between fluids. Available in Shell & Tube / Plate type configurations with high-grade materials (SS/MS/Copper). Designed to handle high pressure and temperature conditions with excellent thermal efficiency and minimal maintenance.

Parameter	Specification
Type	Shell & Tube / Plate Type
Material	SS304 / SS316 / MS / Copper
Pressure Rating	Up to 25 Bar
Temperature Range	Up to 350°C
Heat Transfer Area	Customizable
Flow Type	Counter Flow / Parallel Flow
Application	Chemical, Pharma, HVAC, Power Plants



OIL FILTRATION MACHINE

Reliable oil filtration systems designed to remove contaminants, moisture, and sludge from industrial oils. Equipped with multi-stage filtration, vacuum dehydration (optional), and high-efficiency pumps. Improves oil life, reduces downtime, and ensures smooth and efficient machinery operation.

Parameter	Specification
Filtration Stages	2 – 5 Stage Filtration
Filtration Accuracy	Up to 1 Micron
Flow Rate	10 – 200 LPM
Pump Type	Gear / Vacuum Pump
Power Supply	220V / 440V
Moisture Removal	Optional Vacuum Dehydration
Operating Temp	Up to 80°C
Application	Transformer Oil, Hydraulic Systems



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