

Manufacturer of Industrial Filters
Keep Your Machine Running With Effective Filtration

Complete Range
of
Industrial Filters

Presented by:
Clear Edge Technologies



www.clearedgefilters.com
www.clearedgefilter.com



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(Pre, Fine, Hepa Filters)

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About Us

Clear Edge Technologies, established in 2012, is a leading industrial filter manufacturer committed to delivering high-performance filtration solutions. Under the visionary leadership of Mr. Randhir Singh Kalra, the company has earned a strong reputation for quality, reliability, and customer-focused innovation.

We specialize in manufacturing a wide range of industrial filters designed to meet diverse industry requirements. Understanding that every application is unique, we provide customized filtration solutions as per client specifications, ensuring optimum performance, durability, and efficiency.



- Clear Edge Technologies is an ISO-certified company, reflecting our commitment to maintaining international quality standards in manufacturing processes, product performance, and customer service.
- With a focus on advanced technology, skilled workmanship, and timely delivery, Clear Edge Technologies continues to build long-term partnerships based on trust and excellence.





Our Mission

To deliver superior-quality industrial filtration solutions that enhance operational efficiency, ensure environmental safety, and exceed customer expectations through innovation and continuous improvement.

Our Vision

To become a trusted and globally recognized brand in industrial filtration by maintaining the highest standards of quality, reliability, and technological advancement.

Our Core Values

- Quality Excellence – We never compromise on product standards.
- Customer Commitment – Client satisfaction is our top priority.
- Integrity – Transparent and ethical business practices.
- Innovation – Continuous improvement and advanced solutions.
- Reliability – On-time delivery and dependable performance.



HVAC & AHU

Applications



Pharmaceutical Industry



Chemical Research laboratory



Electronic Industry



Semi-Conductor Production



Food Processing Industry



Hospital Segments

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AIR FILTERS



PRE-FILTER

PRE FILTERS are the first stage filtration installed in the AHU to prevent dust particle to pass through air. It has other applications in equipment like Laminar Air flows, Dispensing Booths & other air particle control system. Suitable for use as filter grade G1 to G4 of EN779 and MERV 1 to 7 of ASHRAE 52.

We manufacture top class PRE FILTERS of standard & customized sizes.

Micron Rating : 10 microns

FINE FILTER

FINE FILTERS or MICROVEE FILTERS are filters installed in the AHU to prevent dust particle to pass through air. Suitable for use as filter grade F5 to F9 of EN779 and MERV 8 to 15 of ASHRAE 52

We manufacture top class FINE FILTERS of standard & customized sizes.

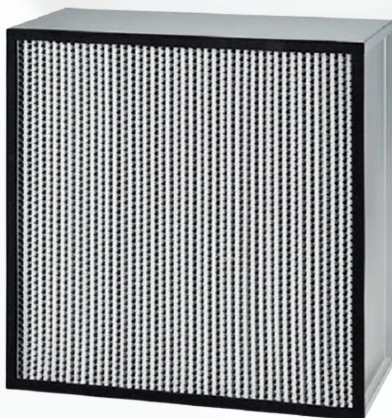
Micron Rating : 3/5 microns

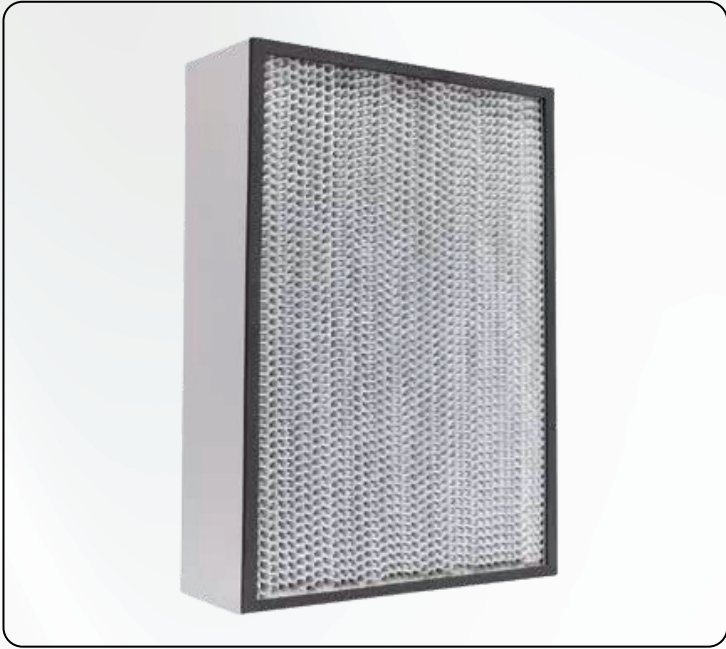


CONVENTIONAL HEPA FILTER

Conventional High Efficiency Particulate Air (HEPA) Filter made of sub-micron glass-fibre filter paper, the most efficient air cleaner. The Conventional Hepa filter is certified to have minimum efficiency of 99.99% in removing particles of 0.3 microns and above. All HEPA filters designed and built by us meet the highest standards and are customized to client specified needs. Experts monitor and assemble our systems under stringent quality standards.

Micron Rating : 3/5 microns





SUPER HEPA FILTER

Super HEPA Filter is superior version of HEPA Filter It is pleated with more media to take care of additional CFM drawn .A SUPER HEPA can handle double CFM in the same size when compared to normal HEPA filter. It is made out of borosilicate microfibers paper assembled in aluminum housing .A good resin bonding ensures no bypass of air between media and frame.

These are available in EU-11, EU12, EU13, EU14 grade having minimum efficiency of 99.97% down to 0.3 micron. Standard depth is 150 and 300 mm-Other sizes are also made as per order.

Micron Rating : 0.3 microns

MINIPLEAT HEPA FILTER

The Mini pleat Hepa Filter is designed to meet the demanding airflow and efficiency requirements of the semiconductor, pharmaceutical, biotech, food processing, and other industries in which airborne contaminants must be carefully controlled. The media pack is bonded to the sides of the extrude aluminum frame with urethane adhesive, forming an airtight seal. Microglass media is water-resistant and fire-retardant.

Micron Rating : 0.3 microns



MINIPLEAT HEPA FILTER (GASKET SEAL)

Mini Pleat Gel Seal HEPA Filter is an advanced version of conventional Mini-pleat filters in which gasket is replaced by Silica gel which ensures 0% leakage from the sides/flanges. Made by very fine high-efficiency micro fiber glass paper media interspaced with hot melt pleating & enclosed in Al. Extruded sections.

Micron Rating : 0.3 microns



Pocket Filter

Clear Edge Technologies takes pride in engineering exceptional Pocket Filters to enhance indoor air quality. Featuring multiple layers of high-grade filtration media, these filters excel at trapping dust, allergens, and airborne particles.

Their extended surface area ensures prolonged filter life and reduced maintenance costs, making them a cost-effective choice for commercial spaces, offices, and industrial facilities. By ensuring efficient air purification and preventing the accumulation of dust and debris, our Pocket Filters exemplify Clear Edge Technologies' mission to create healthier and cleaner indoor environments for our valued customers.

Micron Rating : 1/5/10 microns

Combination Filter

As a trusted manufacturer of cleanroom facilities and filters, Clear Edge Technologies offers versatile Combination Filters tailored to meet diverse air purification challenges. These filters integrate multiple filtration technologies into a single unit, effectively removing particles, allergens, odours, and harmful gases. From healthcare to hospitality, commercial buildings to industrial settings, our provide comprehensive air cleaning solutions. With a commitment to excellence, Clear Edge Technologies Combination Filters exemplify our dedication to providing top-tier air purification products, empowering businesses to maintain healthy and contamination-free environments.

Micron Rating : 5+10 microns



Aluminium Wire Mesh Filter

Aluminium Mesh Filters are high-performance, washable air filters designed for efficient removal of dust, grease, and airborne particles. These filters are widely used in HVAC systems, commercial kitchens, and industrial ventilation applications due to their durability and long service life.

Micron Rating : 50 microns



Compressed Air Filters

Elements

Compatible with all Brands



High-performance compressed air filter elements are designed to remove solid particles, oil aerosols, water droplets, and oil vapors from compressed air systems. They protect downstream equipment, improve air quality, and reduce maintenance costs.

Key Features

- Filtration efficiency up to 99.99%
- Micron rating from 40 μm to 0.01 μm
- Oil carryover as low as 0.01 mg/m^3
- Low initial pressure drop (0.1–0.2 bar)
- High dirt holding capacity
- Corrosion-resistant inner and outer supports
- Reliable O-ring sealing design

Available Grades

- Particulate Filter – Removal of dust and solid particles
- Coalescing Filter – Removal of oil aerosols and moisture mist
- Activated Carbon Filter – Removal of oil vapors and odor

Applications

- Pneumatic tools and machinery
- Food & beverage industry
- Pharmaceutical manufacturing
- Electronics and instrumentation
- General industrial compressed air systems
- Manufactured in accordance with ISO 8573-1 air quality standards

Compressed Air Filters

Housing



We are a well reputed company, engaged in offering a high quality range of Compressed Air Filters - Filter Housing. It protects equipment and delicate instruments from the dirt, water, and oil. The offered range is widely used by the manufacturing industry for a variety of tasks including valve operation; spray coating, vacuum packing and cleaning. Stringently examined on different quality parameters, these filters are available in various specifications as per the specific needs of clients.

Features:

- High durability
- Smooth finish
- Easy installation

Technical Specifications

- Remove 99.99% oil, water, and solids from compressed air and other gases
- Offer quick payback by eliminating costs associated with shutdown time, maintenance and rejected product
- Extremely long filter cartridge life
- Low pressure drop
- Services flow ranges from a few standard cubic feet to 40,000
- Complete sizes range from 1/4" to 10" ports

Compressed Air Filters

Process Filter



A sterile tank filter is an essential component in many industrial and pharmaceutical processes where it is necessary to maintain an environment free of micro-organisms and particles.

A sterile tank filter is used to ensure that a product introduced into or removed from a tank is free of microorganisms and particles.

Compressed Air Filters

Process Filter



Junior Filter System

Despite its relatively modest size, a Junior cartridge filter housing must not be underestimated. It is of incredibly high quality and the size of the filter means that it can fit in most places.

A Junior cartridge filter housing and associated filter have many application possibilities. They are often used in sterile and sanitary filtration, but also have applications in the more industrial sector.

Stainless Steel Filter Housing

P-ED and P-DD stainless steel housings are specially designed components used for filtration in various industrial applications.

These housings are made of stainless steel, which makes them corrosion resistant and suitable for use in demanding environments.



Sterile Filtration

Sterile air filtration is a process used to remove microorganisms and particles from the air, resulting in sterile or very clean air quality.

This technique is important in many industries, including the pharmaceutical industry, food production, laboratories and hospitals, where contamination-free air is essential to ensure the safety and quality of products or treatments.



Compressed Air Filters

Process Filter



Particle Filtration

High-performance depth filters are ideal for filtration of oil vapors and particles. The unique combination of nanofiber filter media and pleating technology enables an energy saving of up to 70%.

At the same time, the filtering ability of the filter is improved. The material composition lowers the differential pressure and significantly reduces operating costs compared to traditional filter elements.

Steam Filtration

Steam filtration refers to the process of removing unwanted particles and contaminants from steam before it is used in industrial applications.

This process is important to ensure that the steam is clean and free of contaminants that could damage equipment or affect product quality.



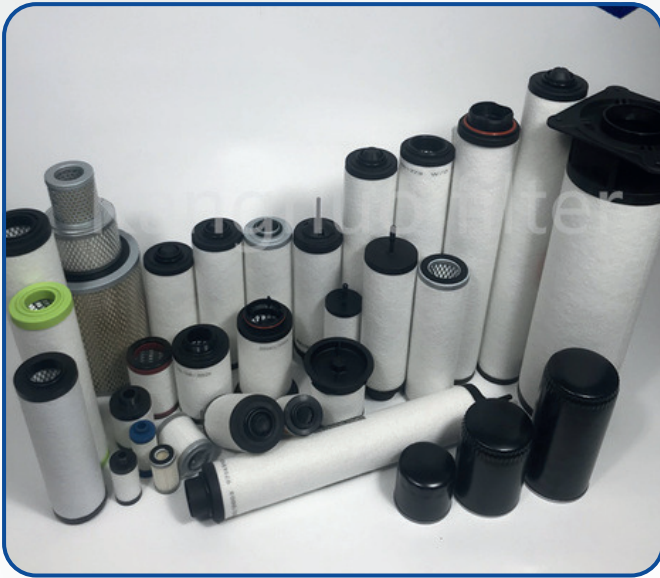
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Vacuum Pump Filter

Air Filter



Clear Edge when produces its own filters follows always the most common principles and building philosophy of the major vacuum pumps manufacturers: it happens also for air filters dedicated to these products and it's the reason let our cartridges be fully interchangeable with the original ones. The nominal filtration is 5-7 microns and it's guaranteed from BIA Certifications. We can grant to our customer a flow range of production from 1 m³/h up to 5.000 m³/h including customization (upon request) for any kind of filter. Each Clear Edge's product is checked throughout its progressive phases of manufacturing in order to secure an almost total lack of mistakes.

Oil Filter

A vacuum pump oil filter is used to remove unwanted particles, such as debris and dust, from the oil that lubricates the compression chamber of a vacuum pump. This ensures that the oil remains clean and retains excellent lubrication and sealing properties.

The filter is made of cellulose for standard and ATEX applications, while for applications with extended oxygen content, it is made of glass fiber.



Exhaust Filter

Ensure clean air and peak performance. Protect your vacuum pump by capturing and recirculating oil mist with Clear Edge genuine exhaust filters.

Eqvi.. to all recognised brands

- Toshniwal
- Busch
- Becker
- leybold
- other Chinese brands



Dust Collector Elements

3 (Three) Lugs Cartridge



3(Three)Lugs Cartridge Dust Collector. We are providing best price- order in Bulk. It has 225mm dia fitment .3(Three)Lugs Cartridge Dust Collector can easily install from Both Clean air side & Dirty Air Side with standard height of 2000mm. 3(Three)Lugs Cartridge Dust Collector inner cage mode is perforated and expanded G1,SS304,SS316, Aluminium with sqm of 6 sqm. The mounting is sealed with the help of EPDM Rubber Gasket.

Powder Coating Filter Cartridge

3(Three)Lugs Industrial Filter Cartridge from Clear Edge Technologies Equipments. We offer the precise quality filters at a pricing which is much better in comparison to the imported products. It has a 225mm diameter fitting. With a typical height up to 2000mm, the 3(three)Lugs Industrial Filter may be simply installed from both the clean and dirty air sides. The inner cage style of the 3(three)Lugs Filter Cartridge is perforated and expanded G1,SS304,SS316, Aluminium with a surface area of up to 6 sqm per meter. EPDM Rubber Gaskets are used to seal the mounting.



3 Lugs Pleated Filter Cartridge

Three lugs pleated filter cartridges . We are providing best price- order in Bulk. It has 225mm dia with fitment bolting via 3 lugs. It can easily instal from both clean air side and Dirty air side is possible with standard height of 2000mm. Its inner cage mode is perforated and expanded G1,SS304,SS316, Aluminium with sqm of 6sqm. The mounting is sealed with the help of EPDM rubber gasket.



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Dust Collector Elements

Dust Collector Bag Filter

We bring forth the best quality Dust Collector Filter Bags that are used to be fitted in dust collectors. The offered Dust Collector Filter Bags are designed and manufactured using the best quality raw material and advanced machines under the guidance of our experienced professionals. Also, offered Dust Collector Filter Bags are widely demanded for its features given below. Our clients can avail these bags from us in various designs as per their accurate needs.

Dust Collector Filter

With the assistance of our team of experts, we are engaged in providing an assorted range of Dust Collection Filter. Designed by making use of the best quality raw materials and high-end technology under the stern direction of our skilled professionals, this filter is available in varied designs and sizes for our customers to choose from. Mainly used for dust filtering applications, this filter is offered at industry leading rates to the clients.

Dust Collector Bag Filter

A Dust Collector Bag Filter is a critical component of an industrial dust collection system. It is designed to capture and filter airborne particles, such as dust, dirt, and debris, to improve air quality and protect workers and equipment.

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Air Compressor Filters



Air Filter

Reliable performance even in dusty working environments: Clear Edge Technologies air filters impress with their excellent filtration performance. They separate harmful dirt particles and water droplets from the intake air, thus reducing engine wear and extending its service life.

Oil Filter

The exceptionally high particle separation and dirt holding capacity of Clear Edge Technologies oil filters ensure the best possible protection and enable long service intervals - even under the toughest operating conditions.



Fuel Filter

Fuel filters protect modern diesel injection systems against dirt particles and water droplets in the fuel. They reliably ensure that the engine is supplied with clean fuel and thus contribute to extending its service life.



Air/Oil Separator

Whether in element or box form, M air/oil separators ensure high separation rates and low quantities of residual oil. This minimizes oil loss. The low differential pressure delivers energy savings. This reduces operating costs and conserves resources.



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Hydraulic Filters



Hydraulic Oil Filter Element

- Most industrial equipment runs with the help of hydraulic oil and contamination free oil is a must for their optimum performance. Dust in the system can cause breakdown and failure, which can cause a lot of damage to equipment and also reduce product quality. Filter elements are needed in such conditions to capture those unwanted dust particles and remove them before they enter the system.
- They are most important to capture dirt from contaminated fluid and eliminate it through which only clean oil can pass into the system. It is always best to use filter assembly in all hydraulic systems to protect them from unwanted breakdown.

Hydraulic Filters

Functioning of Hydraulic Filter

The prime working principle of any hydraulic element is to provide safety by removing unwanted dirt in the system. Their placement in the system is dependent on the type of fluid used, type of dust present, working pressure, and temperature.

Types Of Hydraulic Filters Mostly Used in the Industries

Suction Strainer

Fluid comes through a reservoir or tank containing large amounts of dust particles, which can cause damage to the pump and equipment if passed without any filtration. To capture those particles before they enter the system or pass through the pump suction line strainer is used. These elements are used at the starting point to capture higher dust particles. They can remove impurities up to 100 microns. They consist of stainless steel wire mesh for multiple-time cleaning and reusability.

Pressure Line Filter

Filtered fluid comes through the suction element and enters the pump. Pump pressure makes fluid flow at higher pressure in the pipeline. To clean such high pressurized fluid pressure line filter is used in the hydraulic system. They help to purify oil at higher working pressure and clean it further before it enters the system. They are suitable enough to capture and eliminate dust up to 1 micron with the help of fiberglass media.

Return Line Filter

- Pressurized fluid passes into the system and gets back into the oil tank or reservoir. Before it dumps back into the tank it requires further cleaning for safety purposes. Return line filters are used just before the oil gets back into the tank for further cleaning. They help to purify dirty oil and make them filters before they get dumped back in the tank. Because they are placed before the tank when the oil returns back into it they are called return line filters.

Types of Filter Media Used

Paper Media

- As the name suggests, they are made of synthetic paper also known as cellulose.
- Paper media are commonly used for oil flushing as they have a high dirt holding capacity.
- One of the main key factors to use is because they are cheaper.

Glass Fiber Media

- For Absolute filtration, glass fiber is the first choice for any industry.
- They help to remove small sized dust up to 1 micron.

Wire Mesh Filter Media

- They are made of stainless steel wires, which makes them resilient to work in harsh conditions.
- The main advantage of these elements is their cleanability and reusability.

Application

- Steel Manufacturing Industry
- Sponge and Iron Manufacturing Industry
- Cement Industry
- Pharmaceutical Industry
- Power Plants
- Higher Dirt Holding Capacity.
- Remove micron dust particles.
- Cleanable and reusable.
- Withstand Higher Working Pressure of up to 300 Bar.
- Withstand Higher Working Temperature up to 200 degrees Celsius.

Suction Strainers

Applications

For OIL / AIR / WATER



Suction strainers for protection of the downstream pump against the coarse contamination. They are placed below the oil level directly connected to the suction line of the pump.

Available features:

Female threaded connections up to 3", for a maximum flow rate of 1000 l/min - Bypass valve, to relieve excessive pressure drop across the filter media

Common application:

Industrial equipment
DM Water Plant
Hydraulic Oil
Air Applications

Air Blower Filters



ABOUT US

Roots blower air filter is designed to remove dust, dirt, and other airborne particles before they enter the blower. It ensures clean airflow, protecting the blower from internal damage and increasing its lifespan. Made with high-efficiency filtration media for reliable performance in harsh environments. Ideal for STP, ETP, aquaculture, and various industrial applications.

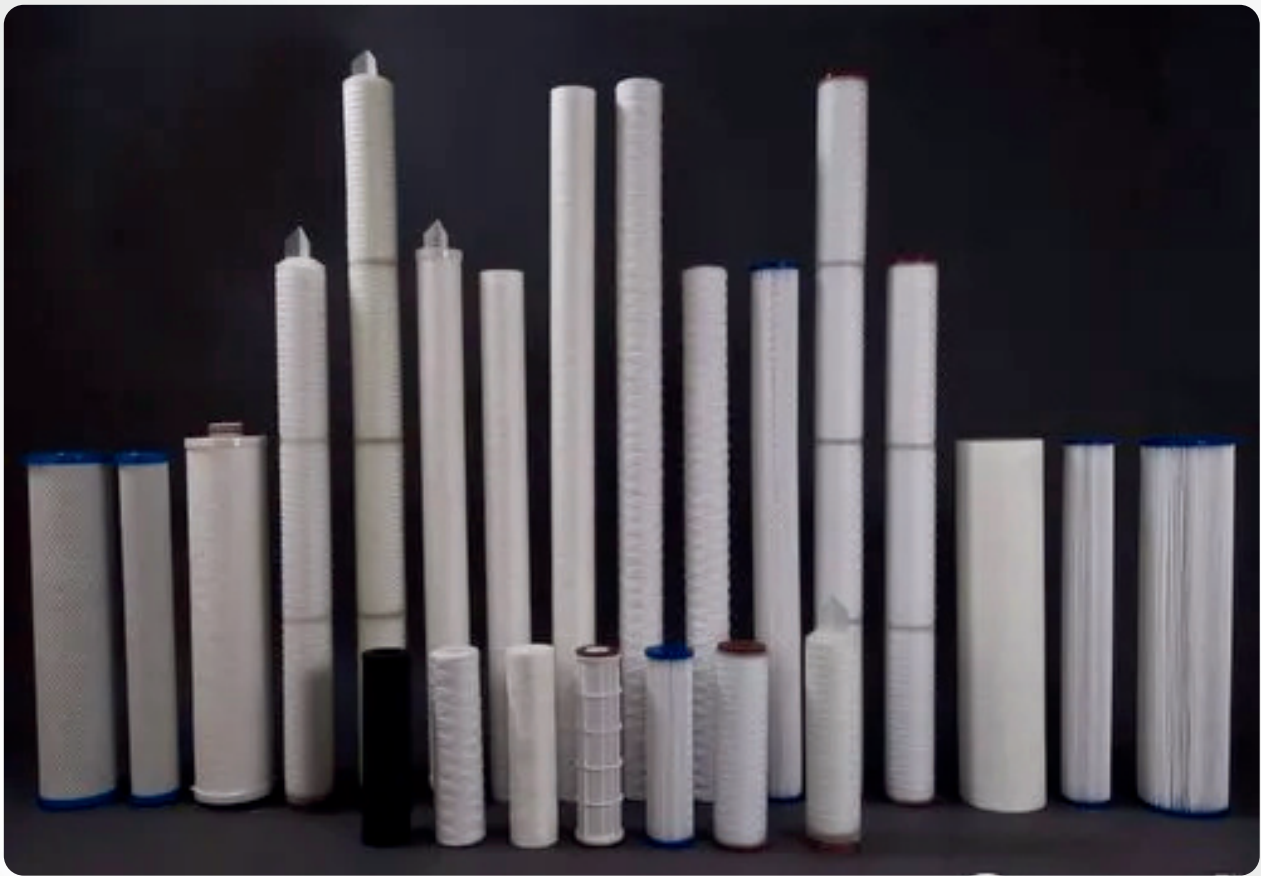
Engineered for High Pressure Applications

Designed for demanding industrial environments, the ROOTS BLOWER AIR FILTER handles a wide spectrum of high-pressure levels with consistent performance. Its robust steel construction ensures reliable operation, minimizing maintenance concerns and maximizing operational uptime.

Comprehensive Industrial Utility

This filter is highly versatile, integrating seamlessly with a broad range of electric blowers. Its effective contaminant filtration is essential for maintaining equipment functionality and ensuring the longevity of vital industrial machinery.

Industrial Water Filters



Spun filter cartridge

These cartridges are manufactured using 100% polypropylene fibers, carefully spun to create a uniform gradient density structure from the outer surface to the inner core. This design ensures effective Clear Edge Technologies and high dirt-holding capacity.



String wound filter cartridges

Made using PP, cotton, or glass roving wound precisely over a PP or SS core, these cartridges provide true Clear Edge Technologies. Ideal for handling demanding filtration applications with varying particle sizes.



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Industrial Water Filters



Polypropylene Metal Ring Micron Filter Bag

We manufacture polypropylene Metal Ring Micron Filter Bag under the Clear Edge Technologies branding in a dust free, temperature controlled facility on electronic and digital interface machines to ensure high weld seam and uniform repeatability. Our zero bypass welded seams eliminate the possibility of needle holes, yet providing high strength.

7x17 Liquid Filter Bags For Electroplating

Elevate the precision and quality of your electroplating processes with our high-performance 7x17 Liquid Filter Bags. Tailored to meet the rigorous demands of electroplating applications, these filter bags ensure the integrity of your plating baths and consistent, impeccable results.

Key Features:

- 1. Optimal Sizing for Efficiency:** Our 7x17-inch liquid filter bags are designed to seamlessly integrate into standard filter housings, facilitating effortless installation and maintenance.
- 2. Effective Particle and Contaminant Removal:** The primary purpose of these filter bags is to efficiently capture and remove particles, contaminants, and impurities that can compromise the quality of your plating process. By effectively filtering these unwanted substances, they safeguard the integrity of your plating bath.
- 3. Elevated Plating Quality:** With reduced impurities in your plating bath, our liquid filter bags contribute to consistent, superior plating results. Expect fewer defects and a more appealing finish on your products.
- 4. Prolonged Bath Life:** These filter bags play a pivotal role in extending the lifespan of your plating bath. By preventing impurity buildup, they enable you to maximize the use of your plating solution, resulting in significant cost savings.
- 5. Built to Endure:** Crafted from top-quality materials, our filter bags are engineered to withstand the harsh conditions of electroplating environments. They are not only durable but also highly reliable, ensuring long-lasting performance.
- 6. Effortless Maintenance:** Replacing and maintaining our 7x17 Liquid Filter Bags is a straightforward process. This minimizes downtime, keeping your electroplating operation running seamlessly.



Industrial Water Filters

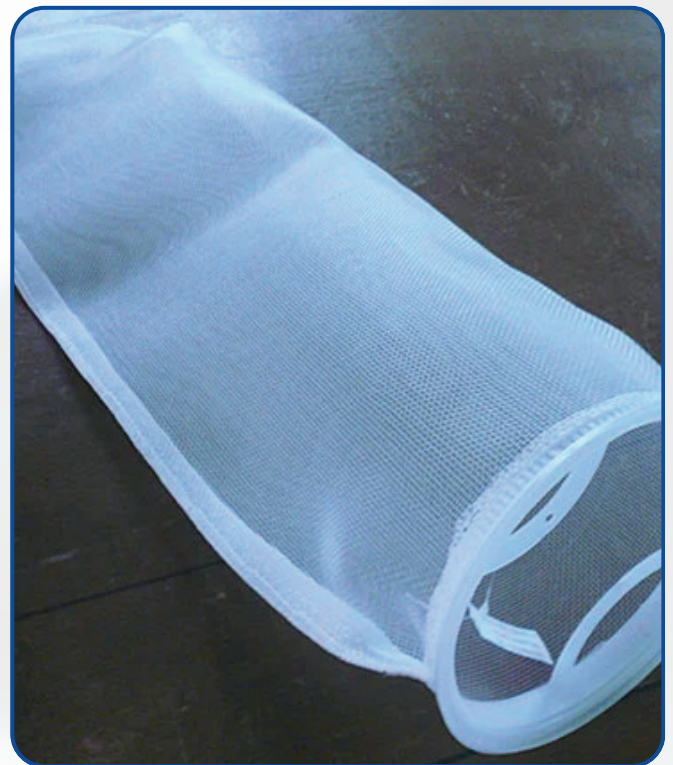


7x32 Plastic Ring Nylon Mesh Filter Bag

We manufacture 7x32 Plastic Ring Nylon Mesh Filter Bag under the Clear Edge branding in a dust free, temperature controlled facility on electronic and digital interface machines to ensure high weld seam and uniform repeatability. Our zero bypass welded seams eliminate the possibility of needle holes, yet providing high strength.

Nylon Mesh Filter Bag

We manufacture Nylon Mesh Filter Bag under the clear edge branding in a dust free, temperature controlled facility on electronic and digital interface machines to ensure high weld seam and uniform repeatability. Our zero bypass welded seams eliminate the possibility of needle holes, yet providing high strength.



Pharmaceutical Pleated PP Micronized Filter Cartridges



Features & Benefits:

Controlled media specifications :

Predictable Performance for desired filter effluent quality.

Manufacturing Processes do not use silicone or adhesives.

Controlled media specifications = Control of fluid bypass through proper sealing into most filter bag manufacturer's housing's.

Ergonomically designed handle for ease of bag removal.

Grade & lot information etched on collar for identification & traceability.

Welded side seams & thermal treated exterior surfaces = Control of fiber migration and subsequent downstream fluid contamination.

PAINT AAREST FLOOR FILTER

The Paint Arrestor Filter is a high-quality filter felt made of polyester material. It is available in various sizes and can be customized as per your requirement. With an efficiency range of 95%-99%, it ensures that your painting environment remains free from dust, debris, and other harmful particles. This filter can be used in various industries like automotive, aerospace, and general manufacturing, where painting is a crucial process. Its durable material ensures that it can withstand harsh environments and can be used multiple times. The Paint Arrestor Filter is an essential component of any paint booth system, and it ensures that your paint job is of the highest quality.





GALLERY





THANK YOU

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