LIQISP

Purely Industrial

2024

LIQISP Inc

Filtration PRODUCT CATALOG

We Separate
What You Want

Contact
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CATEGORY

Industrial Lubricants

Introduction
Company Information

Embark on a journey with LIQISP Inc., a renowned National High-Tech Enterprise. Our passion lies in the meticulous R&D, manufacturing, and global marketing of advanced polymer microporous membrane products, Metalworks and filtration systems.

Product Mastery
Pioneering the industrial realm, we offer a plethora of specialized products such as:

- PP Filter Bags
- PET Filter Bags
- Nylon Filter Bags
- AGF Bags
- High flow cartridge filters
- Pleated membrane filters
- Capsule filters
- Rolled depth filters
- Lenticular filter modules
- Filtermembranes
- PP Filter Bag/Cartridge Housings
- Filter Bag Housings
- Filter Cartridge Housings
- Candle Filter/Housing

A Global Footprint

With a relentless pursuit of precision, our products have gained recognition across over 40 countries, spanning Europe, the Americas, and Asia. Our Nanofiber material, in particular, has garnered praise from elite European and American clientele, setting global benchmarks and competing with the best in the world.

Our Commitment

Elevate. Innovate. Deliver. At the heart of LIQISP lies our commitment to offering unmatched Filtration for Semiconductor Solutions. We're driven by the desire to empower our customers, enhancing their product quality while maximizing cost efficiency.

Excellence in Quality:

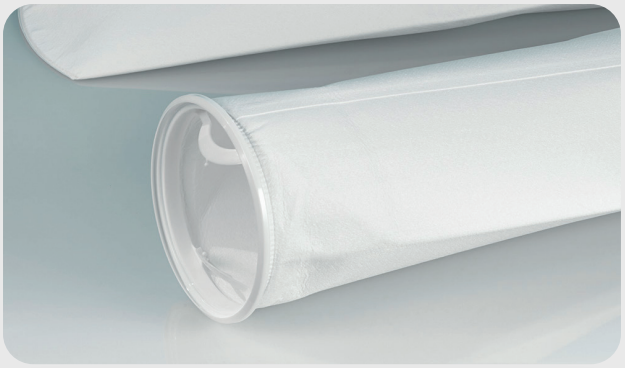
Perfection isn't a goal, but a standard. Every product undergoes

Personalized Solutions:

Your unique needs inspire our tailored solutions.

Innovation:

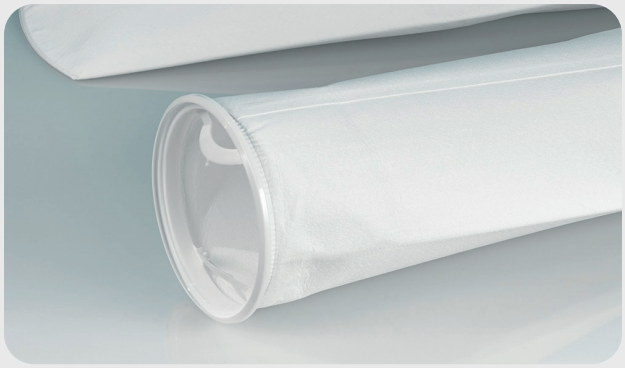
Benefit from solutions that are not only groundbreaking but also economically advantageous.



PP Filter Bags

PP filter bags meet the industry standard by offering a construction free of bypass. Made from polypropylene and polyester, they feature stable and flexible welded seams that conform to the shape of the restrainer basket.

PP Series **Size: #01, #02, #03, #04**



PP Long-life Filter Bags

PP Long-life filter bags, crafted from denser polypropylene or polyester needle felt, offer a substantially higher dirt-holding capacity and last up to five times longer than standard bags, reducing costs. Their finer fibers ensure a porous yet efficient filtration with low initial pressure.

PPXL Series **Size: #01, #02, #03, #04**

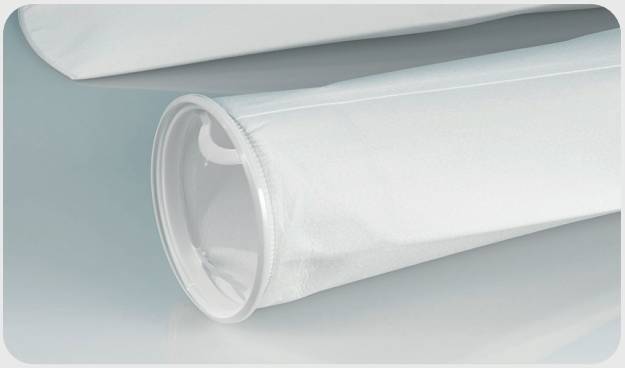
Series
KLEANPLUS

Filter Bags

Layers of PP filter Bags

PP filter bags are designed with a robust, three-layer construction, sewn for high strength and welded to the seal ring. They offer over 99% efficiency across a broad spectrum of particle sizes and possess significant dirt-holding capacities.

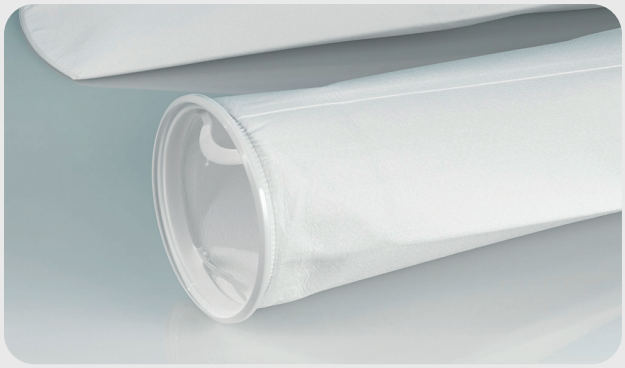
LCR Series **Size: #01, #02, #03, #04**



PET Filter Bags

PET filter bags meet the industry standard by offering a construction free of bypass. Made from Polyethylene Terephthalate, they feature stable and flexible welded seams that conform to the shape of the restrainer basket.

PE Series **Size: #01, #02, #03, #04**



PET Long-life Filter Bags

PET Long-life filter bags, crafted from denser Polyethylene Terephthalate needle felt, offer a substantially higher dirt-holding capacity and last up to five times longer than standard bags, reducing costs. Their finer fibers ensure a porous yet efficient filtration with low initial pressure.

PEXL Series **Size: #01, #02, #03, #04**

Nylon Filter Bags

Nylon filter bags, available in various retention ratings, are suitable for numerous applications requiring specific chemical and thermal characteristics. They are engineered for surface filtration, effectively capturing particles larger than their pore size.

NMO Series **Size: #01, #02, #03, #04**

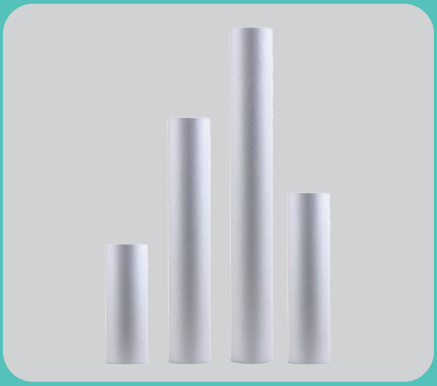
AGF Filter Bags

Each AGF filter bag model, boasting efficiencies over 99%, offers economical filtration options for challenging applications. Their 11-layer design allows for effective particle removal between 1 – 25 µm, while also ensuring an extended service life.

AGF Series **Size: #01, #02, #03, #04**

Filter Cartridges

Series
KLEANPLUS



PP Melt-blown Filter Cartridges

General industrial applications often use nominal rated filter cartridges, which are made from microfibers of meltblown polypropylene.

Size: 10"/20"/30"/40"
Adapter: DOE/SOE 226/SOE 222

Melt-Blown Rolled Filter Cartridges

The MBC depth filter uses bi-component fibers for durability under high pressure and temperature.
MBCG adds a glass fiber layer for 0.5μm absolute efficiency.
MBCF uses a hydrophilic PTFE membrane for 0.1μm absolute efficiency.

Size: 10"/20"/30"/40"
Adapter: DOE/SOE 226/SOE 222

Pleated Filter Cartridges

Nominal rated filtration performance across various applications is enhanced by pleated polypropylene filter media, which offers an extensive filtration surface area.

Size: 10"/20"/30"/40"
Adapter: DOE/SOE 226/SOE 222

Rolled Depth Filter Cartridges

General industrial applications often use nominal rated filter cartridges, which are made from microfibers of meltblown polypropylene.

Size: 10"/20"/30"/40"
Adapter: DOE/SOE 226/SOE 222

Rolled Filter Cartridges- Carbon Fiber

RFC filter is designed with carbon fiber medium. It provides great absorbability and is suitable for decolorization, deodorization, dechlorination. 69RFC filter has a housing with an outer diameter of 69 mm.

Size: 10"/20"/30"/40"
Adapter: DOE/SOE 226/SOE 222

Pleated Metal Filter Cartridges

PMC series pleated filter cartridges are constructed from stainless steel fiber web and stainless steel weaving wire mesh, offering high porosity, a large filter area, a high dirt holding capacity, and a filter rating range from 3 to 200 microns.

Size: 10"/20"/30"/40"
Adapter: DOE/SOE 226/SOE 222

Sintered Metal Powder Filter Cartridges

Stainless steel and titanium depth filtration cartridges, constructed from porous metal powder, offer a retention rating of 0.3 μm. These cartridges excel in separating rust particles and abrasive substances in steam filtration and high-temperature liquid filtration applications.

Size: 10"/20"/30"/40"
Adapter: DOE/SOE 226/SOE 222

Capsule Filter Cartridges

Depth filter capsules are pre-assembled units for filtering particles and removing biological contaminants in pharmaceutical, biotechnology, and semiconductor applications, as well as for simplifying sample preparation and filtering serum and cell culture media.

Filter Media:
PP/ PES/PTFE/NANO Fiber

High Flow Filter Cartridges

High Flow Filter Cartridges feature pleated media for ample surface area and greater debris-holding capacity. They replace multiple standard cartridges, ensuring easy replacements. Ideal for high flow applications in industries like food, beverage, chemical, and water systems.

Filter Media: PP/Glass Fiber
Size: 5"/10"/20"

Filter Specifications

Size	Max. flow rate GPM (m^3/h)	Filter area ft^2 (m^2)	Volume gal (l)	Diameter in (mm)	Length in (mm)
01	90 (20)	2.6 (0.24)	2.0 (7.6)	7 (180)	17 (430)
02	180 (40)	5.2 (0.48)	4.5 (17)	7 (180)	32 (810)
03	26 (6)	0.9 (0.08)	0.5 (1.9)	4 (100)	9 (230)
04	53 (12)	1.7 (0.16)	0.7 (2.7)	4 (100)	15 (380)
43	26 (6)	1.0 (0.09)	0.8 (3.0)	3.5 (89)	12 (300)
45	53 (12)	1.6 (0.15)	1.2 (4.5)	3.5 (89)	20 (500)

Chemical Resistance of Filter

Materials	Codes	Aqueous media	Aliphatic solvents	Aromatic solvents	Alkaline media	Strongly alkaline	Acid media	Strongly acidic
Needle felt polypropylene	PO/POXL/POF/POXLF	■	■		■		■	■
Needle felt polyester	PE/PEXL/PEF/PEXFL	■	■	■	■		■	
Needle felt nylon	NY	■	■	■	■	■		
Needle felt meta-Aramid	HT	■	■	■	■		■	
Multifilament polyester	PEMU	■	■	■	■		■	
Monofilament polypropylene	PMO	■	■		■		■	■
Monofilament nylon	NMO	■	■	■	■	■		
Needle felt PTFE	PT	■	■	■	■	■	■	
Monofilament PEEK	PEEKMO	■	■	■	■	■	■	

Strainer Filtration

Strainer Housings

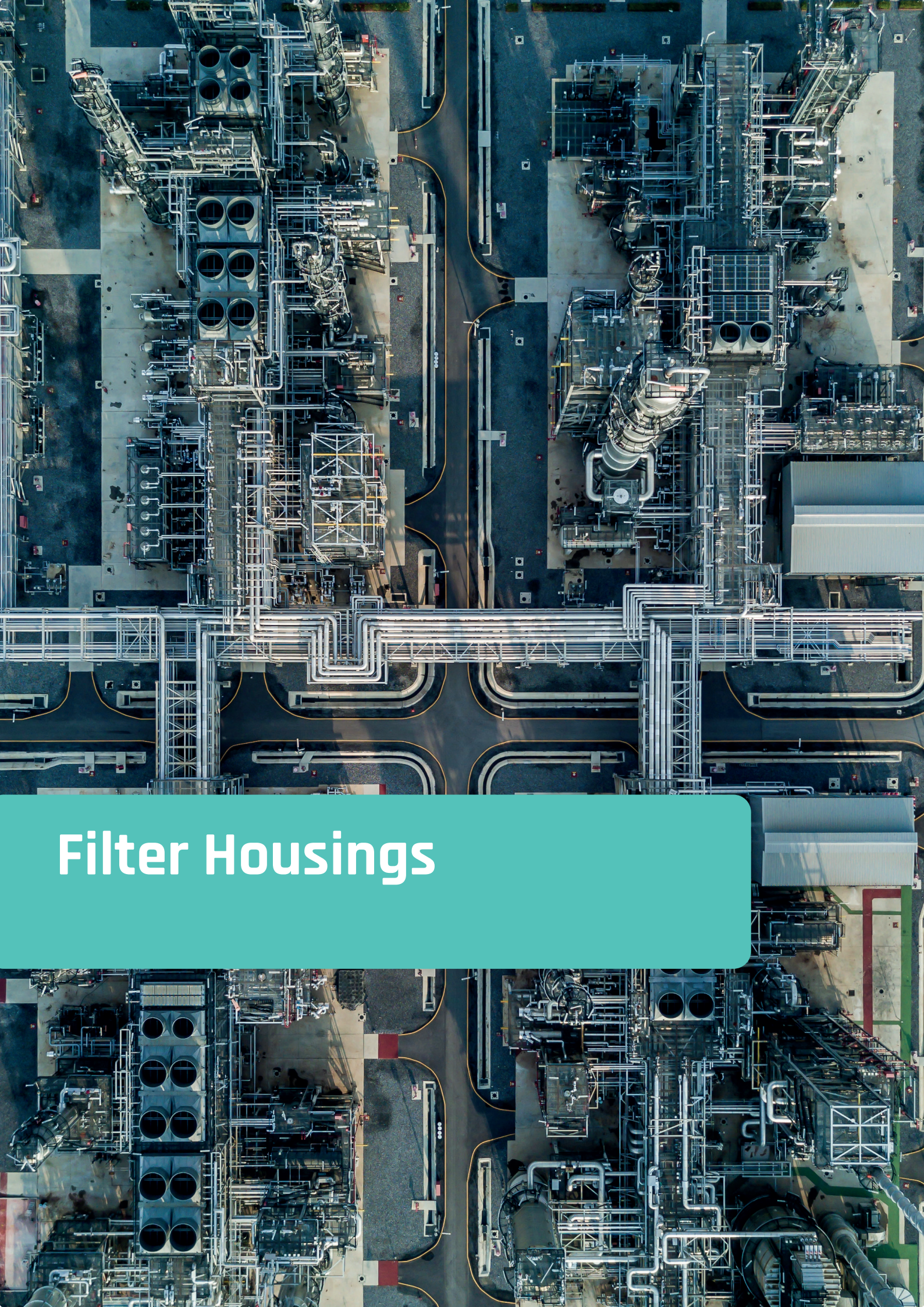
General industrial applications often use nominal rated filter cartridges, which are made from microfibers of meltblown polypropylene.

APPLICATIONS:
Wastewater/Heat Exchanger Protection/Cooling Towers/Descaling Systems/Lube Oil Systems/Irrigation/Paper Coating/Refining

Strainer Baskets

General industrial applications often use nominal rated filter cartridges, which are made from microfibers of meltblown polypropylene.

APPLICATIONS:
Wastewater/Heat Exchanger Protection/Cooling Towers/Descaling Systems/Lube Oil Systems/Irrigation/Paper Coating/Refining



Filter Housings

Multiple Cartridges Filter Housing

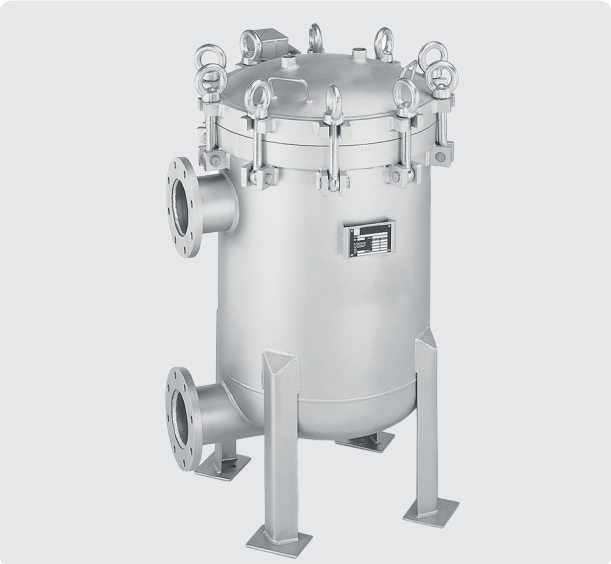
Our Cartridge Filter Housing: a durable, versatile, and user-friendly solution for efficient filtration in various industries. Trust in its reliability and cost-effectiveness for your specific needs.

Filter Size: 10"/20"/30"/40"

Single Bag Filter Housing

Our Bag Filter Housing: Versatile, durable, and corrosion-resistant, it's the cost-effective solution for diverse industrial filtration needs.

Filter Size: #1/#2/#3/#4



Multiple Bags Filter Housing

The MBF multi-bag filter housing is a user-friendly and cost-effective solution designed for high-volume, versatile applications and processes. It features a reliable eye-bolt cover closure for easy use.

Filter Size: #1/#2/#3/#4

PP Bag/Cartridge Filter Housing

The single bag filter housing is made from polypropylene, providing excellent corrosion resistance and the ability to withstand high pressures and temperatures.

Filter Size: #2/#5

Automatic Self-Cleaning Filtrations

Disk Cleaning Filtration Series

The DCF-Series stands out as the market's top-performing mechanically cleaned filter, making it the perfect choice for handling liquids that are highly viscous, abrasive, or prone to sticking. These filters consistently maintain a low differential pressure, ensuring dependable and uncomplicated operation, with the added benefit of a cost-effective initial investment as a significant driving factor.

APPLICATIONS:
Paper coatings/Phenolic resins/Detergents/Petroleum based greases/Ethanol processing/Cip fluids/ Starch/Adhesives/Curtain coaters/Nutricuticals/Machining coolants/Paint/Ink/Edible oils/Tallow

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Tublar Backwashing Filtration

The F-Series' modular design allows for future adjustments to capacity and configuration, while its use of cleanable media lowers life cycle expenses and enhances productivity. Additionally, the optional 45° inclined design serves a dual purpose, improving maintenance comfort and reducing overall system height for restricted ceiling clearance installations.

APPLICATIONS:
City water lines/ Hot condensate/Chiller water/Cip fluids/Papermaking wet end starch

Applications

Automotive
Filtration processes include pre-treatment baths, e-coat, top coat, clear coat, and primer filtration, as well as filtering paint ring lines, parts cleaning fluids, drawing compounds, lubricants, metal working fluids, and pump intake filters.

Chemical
In the fine chemicals industry, tasks like catalyst recovery, pipe scale removal, polishing aqueous process fluids, and filtering alkalis, acids, solvents, emulsions, dispersions, and resin gels are common. A prime example of a challenging application in chemical processing is the removal of activated carbon or catalysts. LIQISP filter bags are designed to fulfill these high-efficiency needs while providing durability and reliable performance.

Metal working
Our filter bags are utilized in various industrial processes, including the filtration of hydraulic oil, filtration in pre-treatment systems, recovery of precious metals, and the processing of metal working fluids and drawing compounds. Additionally, these bags are employed in parts cleaning machines to effectively reduce residual dirt on components.

Electronics & Semiconductor
In the field of electronics, LIQISP filter bags are used for processes like wafer and chip processing, electronic etching baths, photo-chemical polishing, and filtering high-purity water. They also enhance the cost-effectiveness of various membrane filtration processes through pre-filtration. These bags are known for their purity, efficiency, and consistent performance.

Food and beverage
In the food and beverage industry, LIQISP filter bags are used for a variety of purposes including filtering wine, spirits, and beer, removing particles from edible oils, extracting carbon black from cellulose, clarifying gelatin and liquid sugar, polishing corn syrup, processing starch, and in milk and soft drink production. These filter bags are compliant with FDA and EC standards for food processing, making them suitable for the diverse and specific requirements of these applications.

Paint and lacquer
The process involves eliminating agglomerates and paint coagulates, filtering solvents, purifying monomers, and removing contaminants from storage. It is also applied in filling and paint mixing lines.

Petrochemicals

This involves filtering lube oils and fuel additives, aiding in enhanced oil recovery, and purifying amine solutions and glycol fluids. It also encompasses gas purification, distillation, and cracking processes, as well as filtering in amine washers, offshore filter stations, and during oil drilling and injection fluid operations.

Pharmaceutical

This process is focused on reclaiming valuable active ingredients and catalysts, purifying and removing active carbon, and filtering substances like gelatin, hormones, and vitamin extracts. It also involves refining herbal mixtures, extracting proteins from plasma, and filtering saline solutions.

Resins, plastics, inks and coatings

The process encompasses filtering oil and polymers, handling dispersions and polymerization batches, and purifying resins used in can coatings. It's also involved in plastics compounding, processing printing ink and plastics, coating paper, and filtering high-purity fluids for ink-jet printers.

Water treatment

This involves filtering well water and processing water in treatment plants, including the removal of silt, pipe scale, sand, and algae from seawater. It also covers the recovery of ion exchange resins, elimination of calcium deposits, filtering chemicals used in water treatment, and removing dust from cooling tower installations.

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