



美瑞穎環保設備(蘇州)有限公司

Real Win Environmental Equipment (Suzhou) Co.,Ltd.

TEL: +86-0512-36628699

FAX: +86-0512-36822339

WEB: www.realwincn.com

瑞穎(泰國)有限公司

REALWIN(Thailand)Co., Ltd

ADD:

65/12 M.5 King Kaew Road, Rachathewa Sub-District,
Bangphli District , Samutprakan



HEMIY 1530-29338



R&D
PRODUCTION
SALE



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**Green technology
Eco-friendly lifestyle**



Company Profile

- REAL WIN Environmental Equipment (Suzhou) Co., Ltd. is a comprehensive company. Our company integrates design, product development, sales and guaranteed after-sales service. It combines the advantages of American technology, Taiwan management, and Chinese production to provide customers with one-stop solutions.

We are committed to providing customers with superior quality solutions, enhanced services, and competitive pricing to foster a win-win partnership.

Our key clients encompass a broad range of industries, including TFT-LCD, PCB, semiconductor, solar photovoltaic, petrochemical, beverage, pharmaceutical, water treatment, equipment manufacturing, and engineering firms.

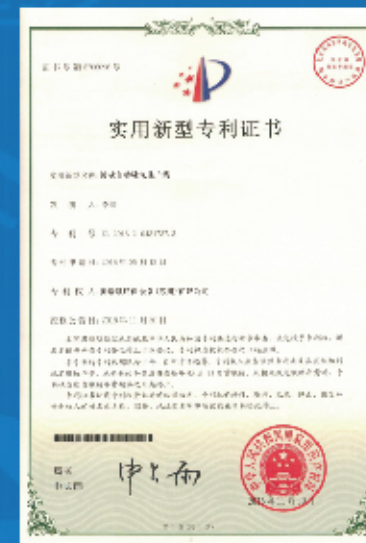
Our Advantages



ISO9001



EU CE certificate



Patent certificate

- Our company has experience in providing OEM services to many international manufacturers in the United States, Japan, Taiwan, and others. Combined with actual usage, after continuous improvement by the design team. Products can find corresponding solutions under any working conditions. Directly or indirectly sold to more than 50 countries including Europe, the United States, Japan, and others.

Application fields



TFT-LCD



PCB



Semiconductor



Oil industry



Sewage treatment



Solar energy



Medicine industry



Beverage industry



Engineering

Product Catalog

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 Non-Woven primary filter cotton

Needle-punched felt filter bag



Characteristic

- ◎ High Interception Efficiency
- ◎ Substantial Flow
- ◎ Significant Pollutant Absorption Capacity
- ◎ High Voltage Resistance

- The surface of the filter undergoes specialized sandblasting treatment, effectively preventing fiber shedding and sweat-induced staining. The fluffy, uniform three-dimensional filter layer possesses a high capacity for capturing solid and colloidal particles. High-strength long fibers enhance the filtration efficiency of the filter bag and prolong its service life.

Technical indicators

Material	Polypropylene (PP), Polyester (PE)
Ring mouth	Stainless steel, galvanized, nylon, PP, PE
Workmanship	Car seam, hot melt welding
Accuracy	0.5~300um
Size	1#(φ180*420mm) 2#(φ180*810mm) 3#(φ105*230mm) 4#(φ105*380mm) 5#(φ150*520mm) Y series (φ 202 * 330mm) and other non-standard sizes

Operating parameters

Material	PE	PP
Temperature resistance	135°C	90°C
Acid resistant	Ordinary	Ordinary
Alkali resistant	Good	Good

Mesh filter bag



- The filter material exhibits a robust ability to carry pollutants, features a substantial flow rate, demonstrates excellent pressure resistance, offers user-friendly operation, and provides high retention efficiency along with broad corrosion resistance. The return bag can be repeatedly detached and cleaned, thereby extending its service life. This filtration system is specifically designed for applications involving liquids with high levels of impurities.

Technical indicators

Material	Nylon, polyester (PEMO)
Ring mouth	Stainless steel, galvanized, nylon, PP, PE
Workmanship	Car seam, hot melt welding
Accuracy	10 ~ 800 mesh, 20 ~ 420mesh (PEMO)
Size	1# (φ180*420mm) 2# (φ180*810mm) 3# (φ105*230mm) 4# (φ105*380mm) 5# (φ150*520mm) Y series (φ 202 * 330mm) and other non-standard sizes

Operating parameters

Material	Nylon	PEMO
Temperature resistance	160°C	135°C
Acid resistant	inferior	Ordinary
Alkali resistant	Good	Ordinary

Stainless-Steel filter bag



Technical indicators

Material	Stainless steel
Ring mouth	Stainless steel, galvanized
Accuracy	60-500 mesh
Size	1#(φ180*420mm) 2#(φ180*810mm) 3#(φ105*230mm) 4#(φ105*380mm) And other non-standard sizes

- Stainless steel wire, specifically SUS304 or SUS316 grade materials. These bags are meticulously woven according to specified standards and then formed into a single-wire mesh. They exhibit high strength and resistance to deformation under pressure. The single-three weaving process results in a smooth surface that is easy to clean and allows for multiple reused cycles.

Polytetrafluoroethylene (PTFE) filter bag



Technical indicators

Material	Polytetrafluoroethylene (PTFE)
Ring mouth	Stainless steel, galvanized
Accuracy	60-500 mesh
Size	1#(φ180*420mm) 2#(φ180*810mm) 3#(φ105*230mm) 4#(φ105*380mm) 5#(φ150*520mm) Y series (φ202*330mm) and other non-standard sizes

- The material can operate continuously at temperatures exceeding 250 degrees Celsius and withstand instantaneous temperatures up to 280 degrees Celsius. It exhibits complete resistance to acidity, alkalinity, and oxidation, is virtually non-flammable, and requires minimal maintenance due to its exceptional resistance to aging. This material is designed to meet the most demanding working conditions and offers an exceptionally long service life.

Oil-Absorbing filter bag



Technical indicators

Material	Composite material
Ring mouth	Stainless steel, PP
Size	1#(φ180*420mm) 2#(φ180*810mm) 3#(φ105*230mm) 4#(φ105*380mm) 5#(φ150*520mm) And other non-standard sizes

- The material exhibits efficient oil absorption capability, capable of rapidly adsorbing various oils and fats exceeding its own weight, it is designed for residential and industrial applications, providing deep and horizontal absorption with superior quality control. As a widely used filtration medium, it demonstrates chemical compatibility, high sludge capacity, and extended service life.

Absolute precision filter bag

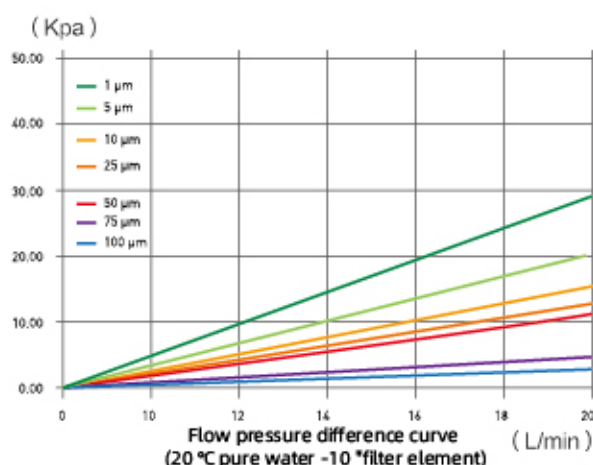


Characteristic

- Extremely high filtration efficiency, up to 99.998%
- 100% welded horizontally, preventing liquid leakage from the needle hole
- The ring mouth features a unique design with an auto-responsive sealing edge that progressively increases pressure, thereby enhancing the seal of the collar ring and ensuring leak-proof performance
- Simultaneously possessing the characteristics of long-term effectiveness and absolute accuracy, this multi-layered filtration system becomes progressively more precise as fluid flows through it, ensuring that impurities are gradually removed without any layer becoming prematurely blocked.

- For applications requiring absolute precision filtration, the sealed simulation bag offers a high-performance alternative. This sealed gradient deep penetration simulation provides exceptionally high regression efficiency (exceeding 99.989%) and boasts an extended service life. Compared to other advanced technologies, the Absolute Performance Bag features low operating costs and ease of replacement. It is widely applied in industries such as food and beverage, pharmaceuticals, microelectronics, chemicals, ink, and water treatment.

Polypropylene(PP) Melt-Blown filter cartridge



- The deep Tang filter cartridge is fabricated from polypropylene fiber material that undergoes a series of processes, including heating, melting, and spraying to form a gradient of pore sizes. It is manufactured in a single integrated process. The cartridge features a structure that is less dense externally and more compact internally, enabling it to effectively capture contaminants of varying sizes both inside and outside the filter element. This type of filter is commonly utilized for the pre-filtration of liquids.

Application

- Filtration of plating solution, etching solution, chemical solution, and purified water for electronic products.
- Various precision pre-filtration methods.
- Chemicals, solvents, and water solubility in the field of the chemical industry.
- Evolution in the manufacturing process of brewing and beverage industries.
- Pre-processing before RO and UF, various water treatment systems for industrial use.

Technical indicators

Material	Polypropylene
External diameter	φ28mm、φ30mm
Internal diameter	φ63mm、φ115mm
Length	50~40inch
Accuracy	1.0~100um
End cap	Double opening 2-222 Flat /Fin 2-226 Flat /Fin
Max. operating temperature	60°C
MOPD	0.3Mpa at 20°C、0.2Mpa at 40°C 0.1Mpa at 60°C

Characteristic

- Acid and alkali resistant
- Strong ability to absorb pollutants
- High flux
- Good chemical compatibility
- Multi layer filtration
- No adhesive

Polypropylene(PP) Industrial Melt-Blown filter cartridge



Characteristic

- Made from PP ultrafine fibers, it can achieve a filtration efficiency of up to 90%. The effect is significant.
- Three-layer filter structure with high impurity capacity and a long service life. The center and surface are specially treated to prevent fiber shedding. The service life is increased by 30% compared to other brands.
- Made of 100% pure PP, it has excellent chemical compatibility and will not extract any other substances.

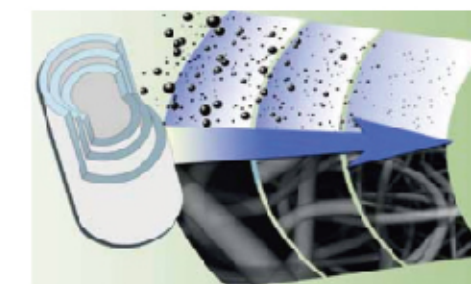
- The filter element employs a three-layer structural design. Utilizing polypropylene (PP) raw materials that are melted and directly sprayed into shape under high temperature and high pressure. Owing to its externally sparse and internally dense configuration, the filter element can effectively intercept contaminants of varying sizes across both the inner and outer layers. Achieving superior deep filtration performance and pollutant accumulation efficiency ensures stable flow rates, pressure differentials, and extended service life. The fiber structure remains robust, guaranteeing consistent filtration quality and making it suitable for precision industrial processes.

Application

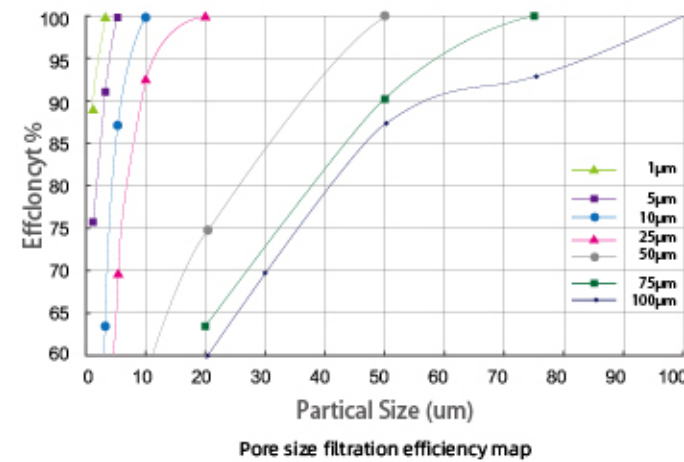
PCB、Electroplating industry, RO pre-filtration, recycled water filtration, chemical process, petrochemical process, beverage industry.

Technical indicators

Material	Polypropylene
External diameter	φ28mm
Internal diameter	φ63mm、φ115mm
Length	50~40inch
Accuracy	0.5~100um
End cap	Double opening 2-222 Flat /Fin 2-226 Flat /Fin
Max. operating temperature	70°C
MOPD	0.3Mpa at 20°C、0.2Mpa at 50°C 0.1Mpa at 70°C



Absolute filter cartridge



- The fine fibers of the filter element are tightly interwoven and securely fixed from the outer layer to the inner core, preventing the release of contaminants due to excessive external pump pressure or high-pressure differentials. This design ensures a filtration efficiency of up to 99%. Owing to its highly effective filtering performance, the filter element is well-suited for industries with stringent process requirements.

Characteristic

- © The latest fiber technology in Japan, with a filtration efficiency of up to 99%, ensures filtration quality.
- © Gradual pore size structure increases the impurity capacity. The filter element has a long service life and maintains stable filtration efficiency.
- © Made of polyolefin (PP&PE) material, resistant to strong acids and alkalis, with strong hardness, high-pressure resistance, and a maximum pressure difference of up to 0.55MPa.

Technical indicators

Material	Polyolefin(PP/PE)
External diameter	φ30mm
Internal diameter	φ62mm、φ68mm
Length	10, 20inch
Accuracy	1.0~150um
Max. operating temperature	80°C
MOPD	0.55Mpa at 20°C、0.3Mpa at 60°C 0.2Mpa at 80°C

Application

Paint and coating industry, ceramic capacitor industry, optical film industry, acrylic industry, spandex textile industry, circuit board copper-clad board industry, chemical agent and adhesive filtration.

Wire-Wound filter cartridge



Application

- © Pre-filtration of industrial water, tap water, food and beverage water, etc.
 - © Pre-treatment of developing solution, etching solution, electroplating solution, organic solvents, etc.
 - © Cooling circulating water, boiler water supply, ultra-pure water security filtration.
 - © Pre-filtration of acid-base solutions, resins, adhesives, coatings, graphite, ink, photographic pro-
- The wire-wound filter element is fabricated by tightly wrapping textile fiber yarn around a porous skeleton through a specific process. This method controls the winding density of the filter layer and the shape of the filter pores, resulting in filter elements with varying filtration accuracies. The honeycomb structure, characterized by a sparse outer layer and a dense inner layer, provides excellent deep filtration performance, effectively removing suspended solids, rust, particles, and other impurities from liquids. The filter element can be manufactured using various materials to meet the filtration requirements of diverse liquid media.

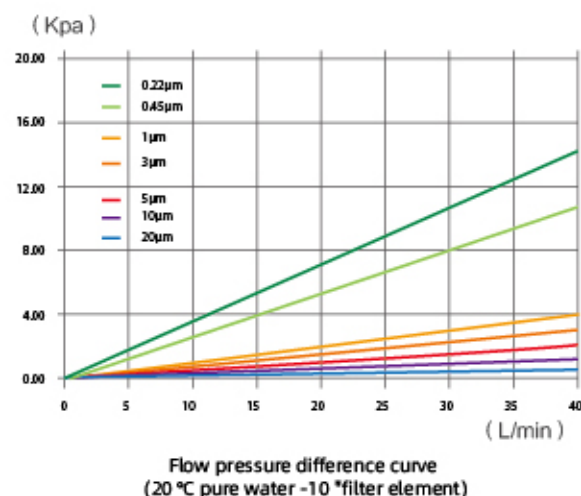
Characteristic

- © Acid and alkali resistance, large pollutant capacity.
- © High flux and good chemical compatibility.
- © Deep filtration, no adhesive.

Technical indicators

Material	Fibers: polypropylene, defatted cotton thread, fiberglass Skeleton: Polypropylene, Stainless Steel
External diameter	φ28mm、φ30mm
Internal diameter	φ63mm、φ115mm
Length	10~40inch
Accuracy	1.0~100um
Max. operating temperature	60 °C (polypropylene) 120 °C (degreased cotton thread, stainless steel frame) 200 °C (fiberglass, stainless steel frame)
MOPD	0.2Mpa at 20°C

Polypropylene Micro-Porous folded filter cartridge



- The ultra-fine fiber membrane with inner and outer support layers is folded. The center rod and end cover of the shell are processed and formed using hot-melt welding technology, eliminating the need for adhesives and preventing any leakage or secondary pollution. The filter element features a folding design that provides a large membrane filtration area, high contaminant holding capacity, low-pressure differential, extended service life, and broad chemical compatibility.

Characteristic

- Clarify and filter acidic and alkaline solutions, solvents, etc.
- Terminal filtration of photoresist, developer, etc.
- Terminal filtration of ink, paint, adhesive, etc.

Technical indicators

Material	Polypropylene(PP)
Accuracy	0.1~150um
PH	1~13
Max. operating temperature	80°C
MOPD	0.4Mpa at 20°C、0.2Mpa at 80°C

Specifications

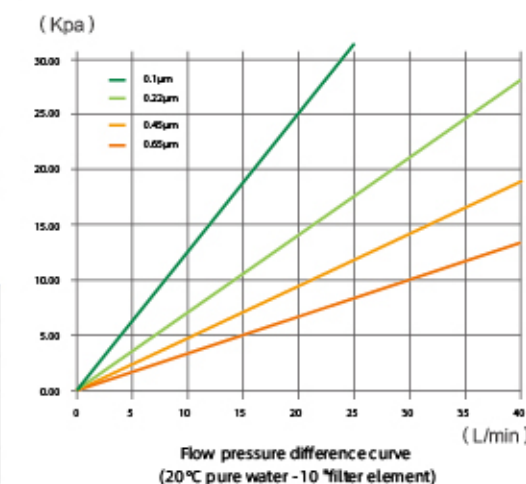
External diameter	φ28mm
Internal diameter	φ69mm
Length	5~40inch
End cap	Double opening 2-222 Flat /Fin 2-226 Flat /Fin

Polyether Sulfone (PES) microporous pleated filter cartridge

Application

Terminal filtration applications for ultra-pure water preparation and the filtration of high-purity chemicals such as ketones, lipids, alcohols, and others.

Material	PES
Accuracy	0.05~1.2um
PH	2~13
Max. operating temperature	80°C
MOPD	0.4Mpa at 20°C、0.2Mpa at 80°C

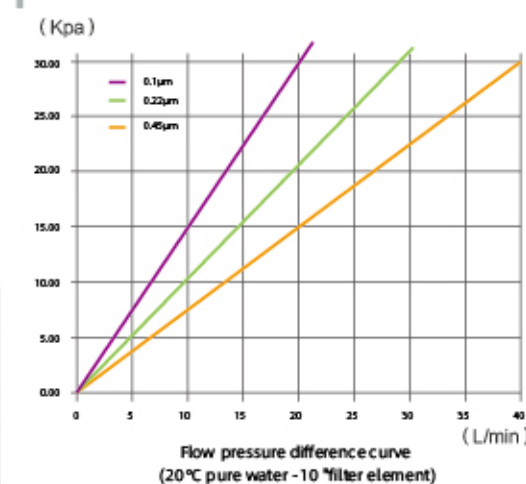


Polytetrafluoroethylene (PTFE) microporous pleated filter cartridge

Application

Filtration applications for polar solvent filtration, high-purity gas filtration, corrosive liquid filtration, and strong oxidizing liquid filtration.

Material	PTFE
Accuracy	liquid:0.1um,0.22um,0.45um Gas:0.01um,0.02um
PH	1~14
Max. operating temperature	90°C
MOPD	0.4Mpa at 20°C、0.2Mpa at 90°C

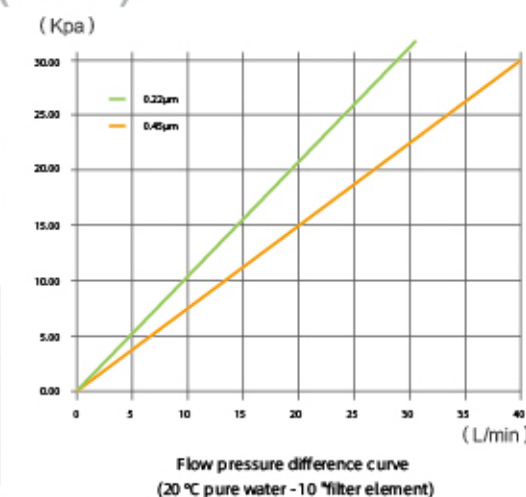


Hydrophilic Polytetrafluoroethylene (PTFE) pleated filter cartridge

Application

Filtration applications encompass high-temperature liquid filtration, strong corrosive liquid filtration, and raw material sterilization filtration, among others.

Material	PTFE (hydrophilic)
Accuracy	0.22um, 0.45um
PH	1~14
Max. operating temperature	90°C
MOPD	0.4Mpa at 20°C、0.2Mpa at 90°C

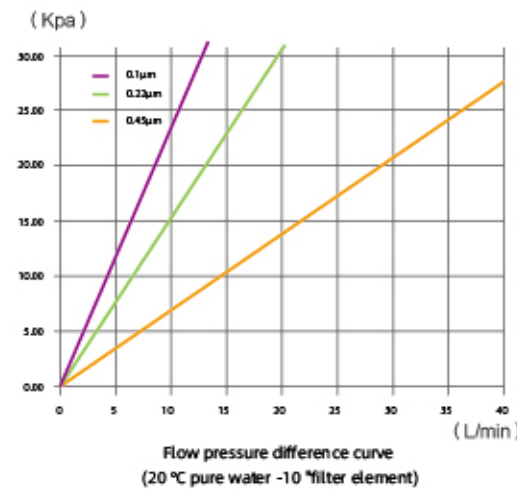


Polyvinylidene fluoride (PVDF) microporous pleated filter cartridge

Application

Filtration applications include strong solvent filtration, high-viscosity liquid filtration, strong filtration of oxidizing liquids, and high-temperature liquid filtration.

Material	PVDF / Polyvinylidene
Accuracy	0.1um, 0.22um, 0.45um
PH	1~13
Max. operating temperature	90°C
MOPD	0.4Mpa at 20°C, 0.2Mpa at 90°C

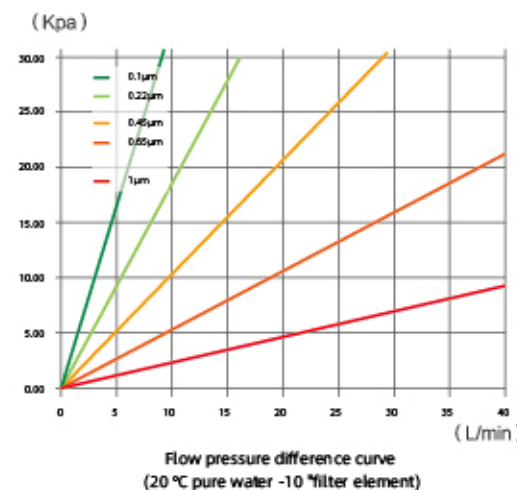


Nylon microporous pleated filter cartridge

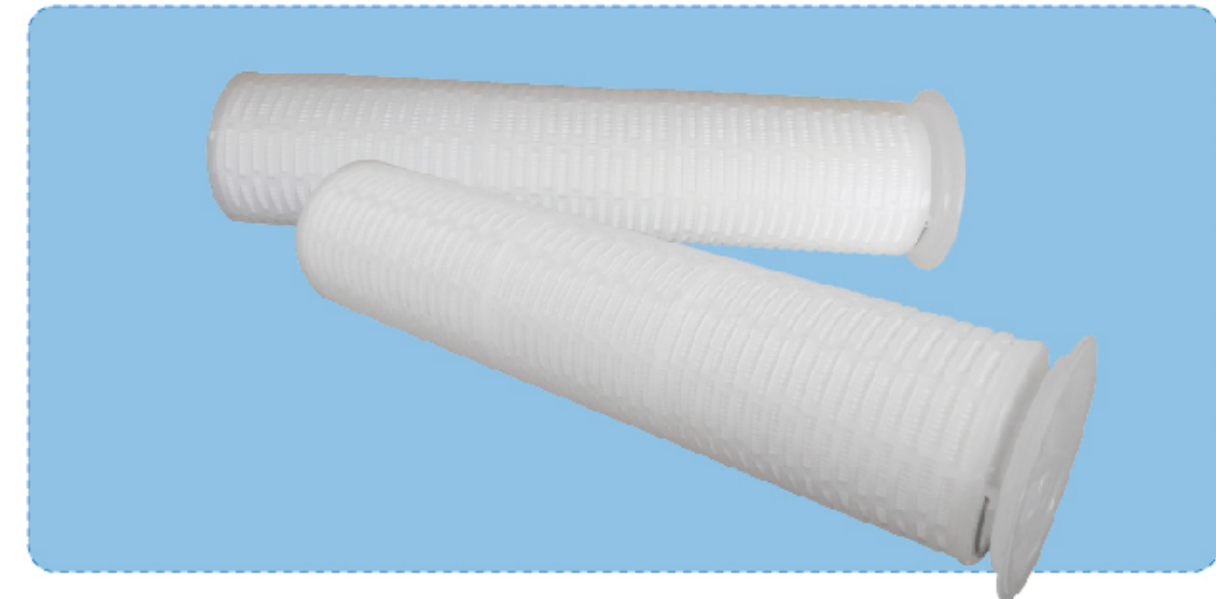
Application

Filtration applications for the filtration of acidic solutions and chemicals such as benzene, ketones, alcohols, and others.

Material	Nylon
Accuracy	0.1~5um
PH	6~14
Max. operating temperature	80°C
MOPD	0.4Mpa at 20°C, 0.2Mpa at 80°C



Pleated high-flow filter bag and filter cartridge



Characteristic

- ◎ New large filtration area and high flow design.
- ◎ Innovative combination of deep and foldable filter technology.
- ◎ Internal and external design, with a single capacity for impurities that can reach 50 times that of a typical filter bag.
- ◎ The absolute filtration efficiency reaches 99.99%, and it can handle impurities ranging from 0.01 to 90 μm in size.
- ◎ Directly installed on the filter bag by unchaging heavy equipment.
- ◎ Quick and convenient replacement, effectively reducing downtime.
- ◎ Can modify the length of the filter element according to requirements.

Technical indicators

Material	PP
External diameter	φ152.4mm(Outer diameter) φ184mm(handle)
Length	260mm(1#) 632mm(2#)
Accuracy	0.5~120um
Max. operating temperature	80 °C
MOPD	0.2Mpa at 20°C

Application

- ◎ RO system preprocessing
- ◎ Food and beverage industry
- ◎ Coolant filtration
- ◎ Oil clarification and filtration
- ◎ Amle system filtration
- ◎ Chemical filtration



DOE 2-222 Flat 2-222 Fin 2-226 Flat 2-226 Fin

	DOE filter outer diameter 69mm	226 Fin filter outer diameter 69mm	222 Fin filter outer diameter 69mm	226 Flat filter outer diameter 69mm	222 Flat filter outer diameter 69mm
Length (including joints)	250mm	290mm	290mm	264mm	264mm
End cap diameter	none	55mm	45mm	55mm	45mm

Thick and Heavy-Duty pleated filter cartridge



Technical indicators

Material	PP、PES、PTFE、PTFE(Hydrophilic)
External diameter	φ83mm、φ131mm
Internal diameter	φ28mm
Length	10inch
Accuracy	PP:0.1-50um PES:0.22-1.2um PTFE:0.22-10um PTFE(Hydrophilic):0.5~10um
End cap	222 double sealing ring (φ 83mm) 226 double sealing ring(φ 83mm) 334 single sealing ring(φ 131mm)
Max. operating temperature	PP/PES 80°C、PTFE 90°C
MOPD	0.4Mpa at 20°C

Extra-Large flow pleated filter cartridge



Characteristic

- ◎ Chemical filtration
- ◎ Paint and coating filtration
- ◎ Power plant condensate filtration
- ◎ RO security filtration, seawater desalination pretreatment

Technical indicators

Material	Glass、PP
External diameter	φ152mm
Length	20、40、60inch
Accuracy	1~100um
Max. operating temperature	Glass fiber : 121°C PP: 80°C
MOPD	0.4Mpa at 20°C

- One end of the filter element is open, and the fluid flow pattern is from inside to outside. The large-diameter design of the filter element increases the effective filtration area, significantly reducing the number of filter elements required and the size of the housing. In many applications, this design results in high flow rates and extended filter life, thereby reducing equipment investment and labor costs.

Multi-Pleated filter cartridge

Application

Filtration applications include PCW filtration, RO pre-filtration, chemical processing, and the beverage industry.

Material	PE、PP
External diameter	φ70mm、φ115mm
Internal diameter	φ28mm
Length	10~40inch
Accuracy	1~50um
Max. operating temperature	60°C
MOPD	0.4Mpa at 20°C



Activated carbon rod filter cartridge

Application

Filtration applications encompass PCB manufacturing, electroplating processes, RO pre-filtration, chemical processing, and general water filtration.

Material	Coal based charcoal
External diameter	φ65mm、φ70mm
Internal diameter	φ28mm、φ30mm
Length	10、20inch
Accuracy	5、10um
Max. operating temperature	75°C
MOPD	0.3Mpa at 20°C



Carbon fibers filter cartridge

Application

Filtration applications include PCB manufacturing, electroplating processes, RO pre-filtration, chemical processing, beverage production, liquor production, and general water filtration.

Material	Activated carbon fiber
External diameter	φ68mm
Internal diameter	φ28mm
Length	10、20inch
Accuracy	10um
Max. operating temperature	65°C
MOPD	0.4Mpa at 20°C



Capsule filter cartridge

Application

Filtration applications span the pharmaceutical industry, chemical processing, biotechnology, electronics manufacturing, cosmetics filtration, food and beverage filtration, ink filtration, and gas filtration.

Material	Filter material : PP, PES, PTFE, Nylon Filter shell: PP Support: PP
Accuracy	PP:0.1~50um PES:0.05~1.2um Nylon:0.1~1um PTFE:0.1um, 0.22um, 0.45um PTFE(Gas):0.01um, 0.02um



Stainless steel filter

Application

Filtration applications include CPF and CPL filtration, petrochemical processing, strong acid-base filtration, high-viscosity filtration, high-temperature processes, beverage industry filtration, and steam filtration.

Material	SUS304, SUS316L
Length	5~40inch/ special size specifications
Accuracy	0.5~100um
End cap	DOE, 2-222, 2-226, Various locking teeth
Max. operating temperature	450°C
Operating Pressure	0.5~1.5Mpa



Sintering of metal powders filter cartridge

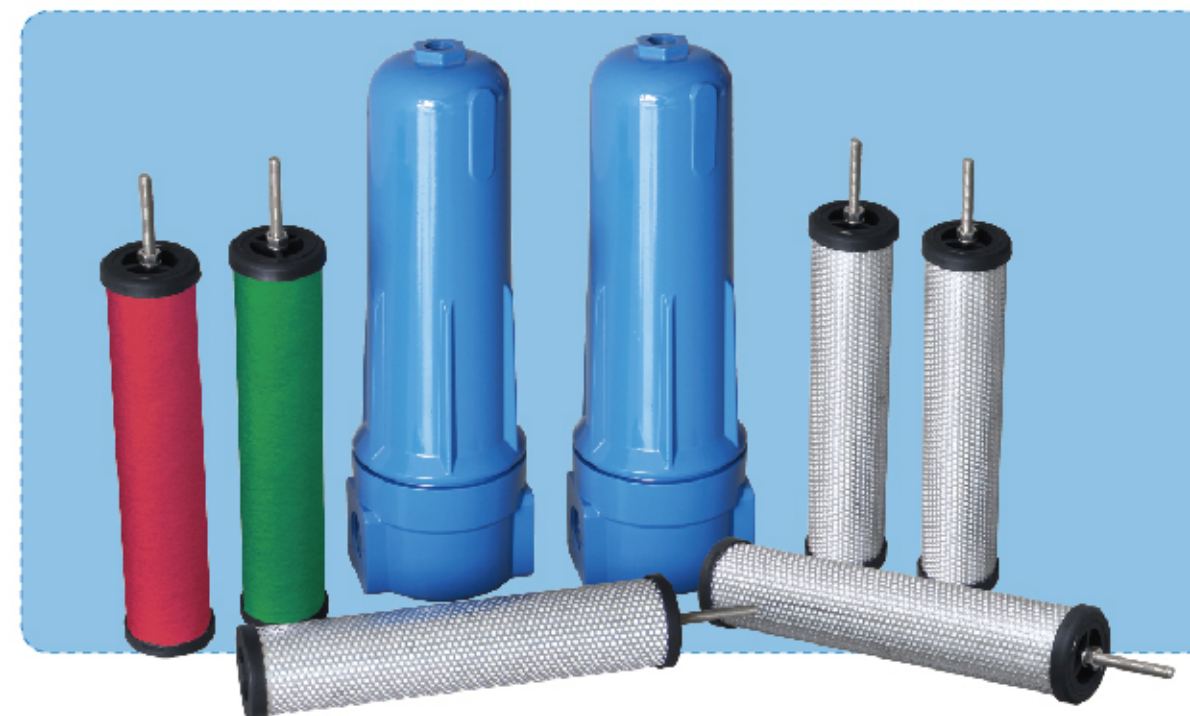
Application

Filtration applications encompass petrochemical processing, chemical fiber manufacturing, beverage industry filtration, ultrasonic cleaning processes, and steam filtration.

Material	SUS304, SUS316L, Titanium, nickel, copper, etc
Length	5~40inch/ special size specifications
Accuracy	0.5~200um
End cap	DOE, 2-222, 2-226, Various locking teeth
Max. operating temperature	450°C
Operating Pressure	0.5~1.5Mpa
MOPD	0.4Mpa at 20°C



Air compressor filter cartridge



- We provide filter cartridges from leading manufacturers with identical specifications, grades, and filtration efficiency. The current specifications for similar products are as follows.

Filter brand	Model number	Filter grade
Domnick Hunter	K009~K620	PF, AOAA, AX, ACS, ARA, AR
Donaldson (Ultrafilter)	02/05~30/50	PE, SB, FF, MF, SMF, AK
Zander	1030~3075	V, Z, Y, X, A
Hankison	12~48	E1, E3, E5, E7, E9
Hiross	004~240	Q, P, S, C
Parker	10-25~85~360	C, QU, P, AU
BEA	30~1400	RB, RA, CA, RF
SMC	150~850	AM, AME, AMD, AFF, AMF

Filter cloth for filter press



Technical indicators

Material	PP、PET
Type	Wearing neck style, draped style
Size	Wearing neck style: 500、630、800、930、1000、1200mm Draped style: 20、24、28、30inch

Specialized anode bags and filter bags for electroplating



Technical indicators

Material	PP、PET Weaving
Specifications	Anode bag: The size, specifications, and shape of the zirconium basket are selected according to the electroplating characteristics, and the material and precision of the coating are determined by remote selection Filter bag: 10-40 inches
Accuracy	20~100um

Application

Filtration applications for electroplating processes include copper plating, tin plating, nickel plating, gold plating, silver plating, and chromium plating.

Plastic filter housing

Application

Filtration applications include cleaning machine circulation, Ro pre-filtration and post-filtration, PCW filtration, chemical processing, and general water filtration.

Specifications	10、20inch
Material	PP、AS
Caliber	1/4 "、1/2 "、3/4 " NPT
Filter	DOE
Colour	Transparent, Bblue
MOPD	0.7Mpa at 20°C



Polypropylene (PP) filter housing for 222 type

Specifications	10、20inch
Component material	Base/Barrel Body: Pure PP Fixed steel frame: non embroidered steel Sealing ring: Ethylene propylene rubber
Entrance and exit	3/4 "NPT、1/2 "NPT
Max. operating temperature	60°C
MOPD	0.6Mpa at 20°C



Polypropylene (PP) filter housing for 226 type

Specifications	10、20inch
Component material	Base/Barrel Body: Pure PP Sealing ring: Ethylene propylene rubber, Silicon rubber legs, Gas rubber
Entrance and exit	DN40、JIS40A
Max. operating temperature	60°C
MOPD	0.6Mpa at 20°C

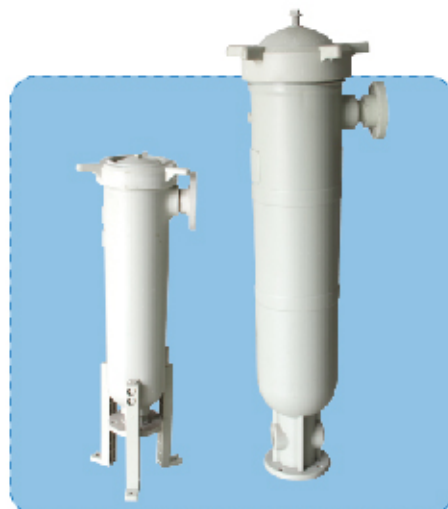


Bag filter machines made from UPVC or PP materials

Application

Filtration applications include cleaning machine cycle filtration, RO pre-filtration, chemical processing, general water circulation filtration, recycled water filtration, and seawater circulation filtration.

Material	UPVC / PP
Caliber	2" DIN, ANSI flange
Type	Nut fixed type
Specifications & flow	1 # Bag machine: 0-20CMH 2 # Bag machine: 0-45CMH 5 # Bag Filter: 0-20CMH The actual flow rate may vary depending on the filter material and model specifications Filter bag: 10-40 inches
Operating Pressure	0.4Mpa at 20°C



Single-Core filter cartridge machines

Application

Filtration applications include cleaning machine circulation filtration, RO pre-filtration and post-filtration, PCW filtration, chemical processing, and beverage industry filtration.

Filter	10~40inch
Material	SUS304、SUS316L
Caliber	3/4 "、1 "NPT
Type	Locking teeth, binding ring
Filter end cap	DOE、2-222Flat、2-222Fin
Operating Pressure	Locking teeth:0.5Mpa Binding ring:0.7Mpa



Polishing filter for sanitary

Application

Filtration applications include ultra-pure water post-filtration, chemical processing filtration, beverage industry filtration, vegetable processing filtration, and gas pipeline filtration.

Filter	10~40inch
Material	SUS304、SUS316L
Caliber	3/4 "、1 "NPT
Type	Locking teeth, binding ring
Filter end cap	DOE、2-222Flat、2-222Fin
Operating Pressure	Locking teeth:0.5Mpa Binding ring:0.7Mpa

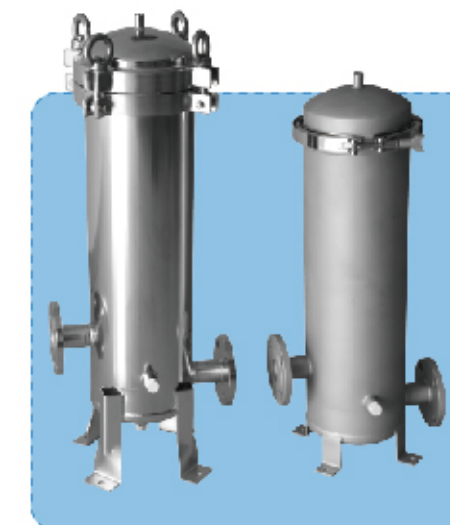


Stainless-Steel filter machines

Application

Filtration applications include cleaning machine cycle filtration, RO pre-filtration and post-filtration, PCW filtration, chemical processing filtration, general water filtration, recycled water filtration, and beverage industry filtration.

Filter	10~40inch
Filter count	3、5、7
Material	SUS304、SUS316L
Caliber	1 " ~2.5 " Teeth mouth, flange
Type	Binding ring、Hanging ear type
Filter end cap	DOE、2-222Flat、2-222Fin
Operating Pressure	Binding ring:0.5Mpa Hanging ear type:0.7Mpa



Large-Flow Multi-Tube filter machines

Application

Filtration applications encompass cleaning machine cycle filtration, RO pre-filtration and post-filtration, PCW filtration, chemical processing filtration, general water filtration, recycled water filtration, and beverage industry filtration.

Filter	10~40inch
Filter count	11~200
Material	SUS304、SUS316L
Caliber	1 " ~8 " Flange
Type	Hanging ear rocker arm type
Filter end cap	DOE、2-222Flat、2-222Fin
Operating Pressure	1Mpa



Extra-Large-Flow Multi-Tube filter machines

Application

Filtration applications include cleaning machine cycle filtration, RO pre-filtration and post-filtration, PCW filtration, chemical processing filtration, general water filtration, recycled water filtration, and beverage industry filtration.

Filter	10、20、40inch
Filter count	1~30
Material	SUS304、SUS316L
Caliber	2 " ~15 " Flange
Type	Hanging ear rocker arm type
Flow	0~85CMH(1) 0~255CMH(3) 0~510CMH(6) 0~850CMH(10)
Operating Pressure	1Mpa



Stainless-Steel bag filter machines

Application

Filtration applications include cleaning machine cycle filtration, RO pre-filtration and post-filtration, PCW filtration, chemical processing filtration, general water filtration, recycled water filtration, electroplating coating filtration, and beverage industry filtration.

Material	SUS304、SUS316L
Caliber	1" ~2" Teeth mouth, flange
Type	Binding ring
Specifications & flow	1 # Bag machine: 0-20CMH 2# Bag machine: 0-45CMH 3 # Bag Filter: 0-4.5CMH 4 # Bag Filter: 0-10CMH The actual flow rate may vary depending on the filter material and model specifications Filter bag: 10-40 inches
Operating Pressure	Binding ring:0.5Mpa Hanging ear type:0.7Mpa



Upward-Flow High-Pressure bag filter

Application

Filtration applications in industrial processes include petrochemical processing, chemical processing, high-viscosity filtration for coatings and inks, electroplating coating filtration, and cleaning machine circulation filtration.

Material	SUS304、SUS316L
Caliber	1" ~2" Flange
Type	Binding ring
Specifications & flow	1 # Bag machine: 0-20CMH 2# Bag machine: 0-45CMH 3 # Bag Filter: 0-4.5CMH 4 # Bag Filter: 0-10CMH The actual flow rate may vary depending on the filter material and model specifications Filter bag: 10-40 inches
Operating Pressure	1Mpa



High-Flow Multi-Bag filter machines

Application

Filtration applications encompass RO pre-filtration, PCW filtration, chemical processing filtration, recycled water filtration, general water filtration, electrocoating filtration, beverage industry filtration, and cleaning machine circulation filtration.

Filter	2 Bags
Filter count	2~23 Bags
Material	SUS304、SUS316L
Caliber	2" ~10" Flange
Type / 用途	Hanging ear rocker arm type
Specifications & flow	0~90CMH(2 bag) 0~135CMH(3 bag) 0~270CMH(6 bag) 0~450CMH(10 bag)
Operating Pressure	1Mpa



Dust filter bag



- The dust removal filter bag serves as the core component of the bag filter during operation. Typically, a cylindrical pulse-type filter bag is suspended vertically within the dust collector. Dust-laden gas enters the dust collector via the inlet and passes through the guide plate of the ash hopper. Under the influence of inertia, some larger dust particles are separated from the gas stream and fall directly into the ash hopper. The dust-laden gas then enters the filtration area of the bag, where the majority of the dust is trapped on the outer surface of the filter bag. The clean gas penetrates the filter material, entering the interior of the filter bag, and subsequently flows into the upper chamber through the filter bag mouth before being discharged via the outlet. The cage inside the filter bag supports the bag to prevent collapse and aids in dislodging and redistributing the dust cake.

Acrylic dust bag

Acrylic needle-punched felt, also known as polyacrylonitrile felt, is manufactured from acrylic fibers through the needle-punching process. After undergoing specialized water-repellent treatment, it becomes an anti-hydrolysis needle-punched filter felt with enhanced durability. The material exhibits a breathability of 14 m³/m² min at 200 Pa. It can withstand an instantaneous working temperature of up to 140°C and a continuous operating temperature of 120°C. The needle-punched felt is reinforced with an acrylic woven fabric base to improve its longitudinal and transverse strength. This material offers excellent chemical resistance and hydrolysis resistance, making it widely applicable for dust collection in flue gas applications such as asphalt, dryers, coal mills, and power plant sintering machines.

PPS dust bag

PPS needle-punched felt is a filtering material manufactured through three-dimensional needle-punching of PPS fibers (polyphenylene sulfide). This material can withstand continuous operation at temperatures around 160°C. PPS fiber, also known as polyphenylene sulfide fiber, exhibits excellent chemical stability and strength retention due to its unique molecular structure. It is particularly effective in high-sulfur flue gas environments and is suitable for filtering acidic flue gas applications such as coal-fired boilers, power generation, and waste incineration.

Aramid cloth bag

Aramid possesses long-term temperature resistance up to 204°C and can withstand instantaneous temperatures of up to 240°C. It exhibits strong alkali resistance and moderate acid resistance, making it an excellent material for handling high-temperature gases in the range of 180-220°C. Aramid needle-punched filter material is widely utilized in industries such as steel, cement, power generation, and chemicals, and is an ideal choice for flue gas dust removal and filtration.

P84 high temperature resistant dust bag

P84 fiber, also known as polyimide fiber, exhibits excellent high-temperature resistance, withstanding temperatures up to 260°C. The cross-section of P84 fibers is irregular and leaf-shaped, which significantly enhances filtration efficiency. These fibers also possess inherent resistance to hydrolysis and oxidation. This product offers superior temperature resistance and filtration performance, making it widely applicable in complex working conditions such as concrete mixing, cement production, waste incineration, and coal-fired boilers.

PTFE dust bag

PTFE needle-punched felt is a filtering material manufactured through three-dimensional needle-punching of PTFE fibers (polytetrafluoroethylene). PTFE fibers possess a linear molecular structure, which confers exceptional resistance to temperature, wear, corrosion, and chemical stability. This material is widely utilized in various harsh flue gas filtration environments, including steel production, power generation, and waste incineration.

Fiberglass filter bag

Fiberglass is a structurally robust and high-performance, high-temperature resistant filter material. It combines the advantages of high temperature resistance, corrosion resistance, dimensional stability, minimal elongation and contraction rates, and high strength of fiberglass fabric. Additionally, it features a felt layer with supporting single fibers, a three-dimensional microporous structure, high porosity, and low gas filtration resistance, making it an efficient and high-speed high-temperature filtration material. Compared to other high-temperature resistant synthetic felts, fiberglass offers unique advantages such as lower cost, reduced operating resistance, higher filtration accuracy, and superior temperature resistance. It is suitable for high-temperature flue gas filtration in industries such as steel, metallurgy, carbon black, power generation, cement, and chemicals.

Laminated cloth bag

The aforementioned filter bag materials can be provided in laminated configurations. PTFE microporous membranes effectively filter out dust particles as small as 2.5 µm, making them the preferred solution for addressing PM2.5 and ensuring emission concentrations remain below 10 mg/Nm³ under various operating conditions. Our company has collaborated with leading domestic PTFE microporous membrane manufacturers to develop and produce a range of laminated filter bags using high-permeability, low-resistance three-dimensional microporous membranes, thereby meeting customers' ultra-clean emission requirements.

Anti static dust bag

The filter cloth used for anti-static dust removal bags is manufactured from anti-static polyester needle-punched felt, which exhibits superior anti-static performance. This material is particularly suitable for industries such as surface dust collection, chemical dust management, and coal dust handling, where the risk of explosion due to electrostatic discharge is a concern. It is currently considered the most ideal choice for explosion-proof dust collection applications.

- When the concentration of industrial dust reaches a certain level (i.e., the explosion limit), it becomes highly susceptible to explosion and fire if exposed to factors such as electrostatic discharge sparks or external ignition sources. For instance, dust from flour, chemicals, coal powder, and other materials can pose significant explosion risks upon electrostatic discharge. In the field of bag-type dust removal, if these types of dust need to be collected using cloth bags, it is imperative that the filter material of the anti-static needle-punched felt dust collector possesses anti-static properties. Our company has integrated advanced foreign technologies and developed permanent anti-static needle-punched filter felt tailored to meet the requirements of domestic blast furnace gas collection, coal mill dust collection in cement plants, and other industries.

	PP	Polyester	Acrylic	PPS	Aramid fiber	P84	PTFE	Glass fiber
Continuous dry hot operation temperature (°C)	90	135	135	135	135	135	135	135
Continuous wet and hot operating temperature (°C)	94	130	130	130	130	130	130	130
Short term maximum dry hot operating temperature (°C)	107	150	150	150	150	150	150	150
Density (g/cm ³)	0.9	1.38	1.38	1.38	1.38	1.38	1.38	1.38
Moisture regain (20%&65% relative degree)	0.1%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Flammability	Yes	Yes	Yes	No	No	No	No	No
Chemical resistance	Biological resistance(Bacteria, Microbes)	Good	No effect	Good	No effect	No effect	No effect	No effect
	Alkali resistance	Good	Medium	Medium	Good	Well	Medium	Good
	Resistant to mineral acids	Good	Medium	Good	Good	Medium	Good	Good
	Resistant to organic acids	Good	Medium	Good	Good	Medium	Good	Good
	Oxidative stability	Well	Well	Well	Medium	Bad	Good	Good
	Resistant to organic solvents	Good	Well	Good	Good	Good	Good	Good

Washable and Replaceable primary filter



- **Operating Environment**
 Continuous use at a maximum temperature of 60°C.
 Instantaneous maximum humidity during use: 100% RH (unclean conditions).

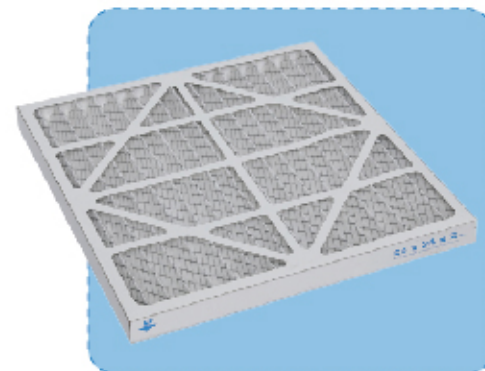
Application

Applications for central air conditioning and centralized communication systems, as well as pre-combustion engines and air compressors.

	Replaceable			Washable	
Parts	Chip type	Folding	Parts	Folding	
Outer frame	Aluminum profiles Galvanized sheet		Outer frame	Aluminum profiles Galvanized sheet	
Filter material	Non-woven fabric		Filter material	Non-woven fabric	
Bracket	Iron wire 4		Fit Net	Solder joint mesh Expansion Network	
Protective net	Spot welding mesh	None			

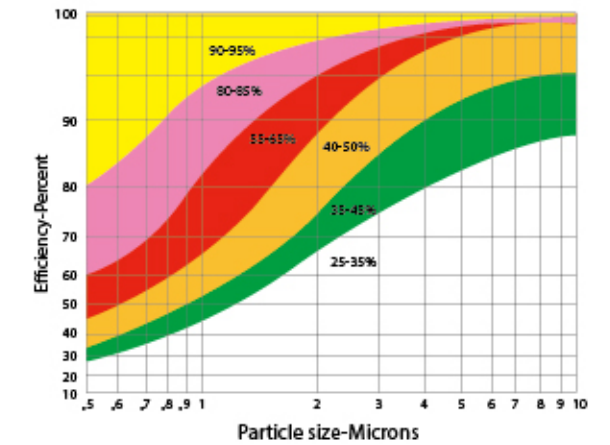
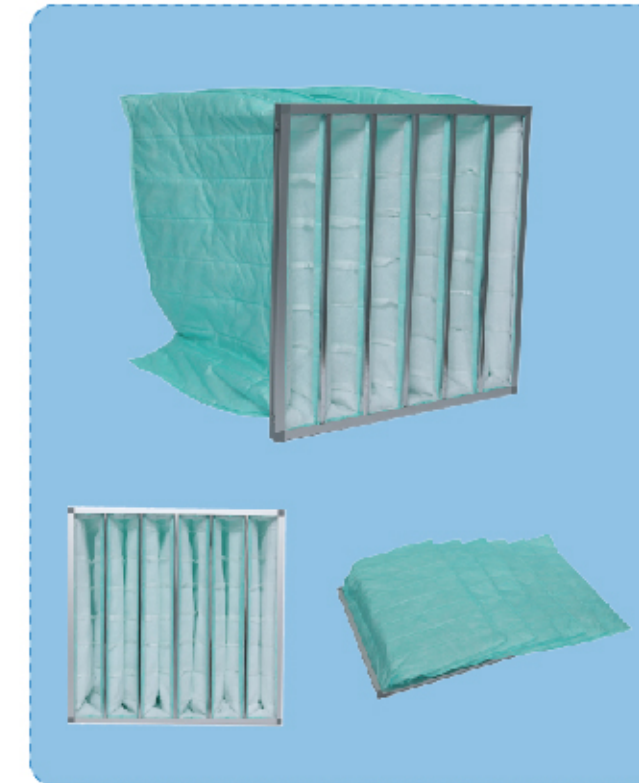
Pleated-Paper primary filter

Filter material	Synthetic fiber/glass fiber
Outer frame	Aluminum alloy/paper stainless steel
Continuous use of maximum temperature	60°C
Instantaneous Max. temperature during use	100% RH



- The outer frame is constructed from moisture-proof and moisture-resistant cardboard, ensuring it does not deform, break, or twist under normal operating conditions. The diagonal support design at the front and rear of the outer frame securely fixes the filter material, while the pleated filter screen provides the maximum open filtering area, enhancing dust collection efficiency through optimal airflow. This robust structure ensures stable filtering performance and extends service life. The filter material is tightly bonded to the outer frame to prevent any air leakage.

Bag-Type Medium-Efficiency filter



Efficiency	ASHRAE45%、65%、85%、95%
Standard	EN799、G4/F5/F6/F7/F8/F9
Durable Temperature	70°C
Durable humidity	90% RH

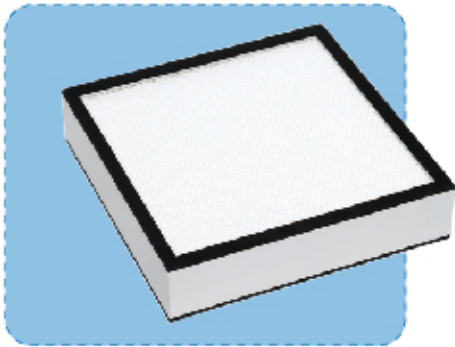
- Bag filters are utilized in central air conditioning ventilation systems, as well as in industrial, commercial, hospital, school, and building air conditioning equipment across various facilities. They serve as pre-filters for high-efficiency air filters, thereby extending the service life of both the high-efficiency filters and the associated equipment. Additionally, bag filters can function as medium-efficiency filters in cleanrooms or other filtration systems that require higher air quality levels.

© Currently, this design utilizes the minimum amount of frame material while providing superior filtering surfaces and performance, making it an intermediate-level air filter.

The frame material is constructed from hot-dip galvanized and painted steel plate, processed with enhanced strength to prevent deformation of the frame.

© Filter materials offer a range of efficiencies, including 60-65%, 80-85%, and 90-95%, to meet diverse requirements.

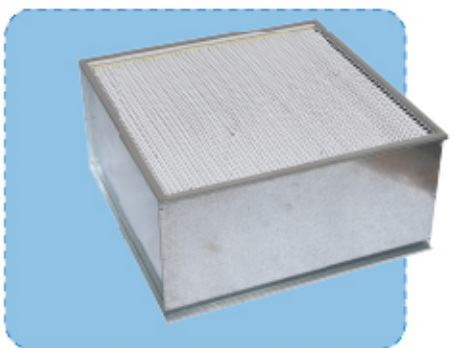
High-Efficiency HEPA filter without partitions



- The partitionless high-efficiency filter offers multiple configurations tailored for stringent cleaning requirements in environments such as cleanrooms, clean workstations, sterile workstations, and windmill filter assemblies. The mini-pleated design is intended to extend the service life of the filter while reducing pressure loss.

Efficiency	PAO、99.99%、99.995%at0.3um
Durable Temperature	80℃
Instantaneous Max. imum temperature during use	100% RH
Filter material	Hydrophobic ultra-fine glass fiber, continuous folded filter material with hot melt adhesive as partition, will not release chemical pollution into the clean room, allowing air to pass through the filter screen with minimal pressure loss.
Outer frame	Seal the inner perimeter with sealant to prevent gaps and leaks in the filter material. The aluminum extruded frame is treated with anodizing to increase its strength, hardness, and durability against corrosion. Sealed with PU adhesive on the aluminum extruded frame to achieve complete airtightness without leakage.

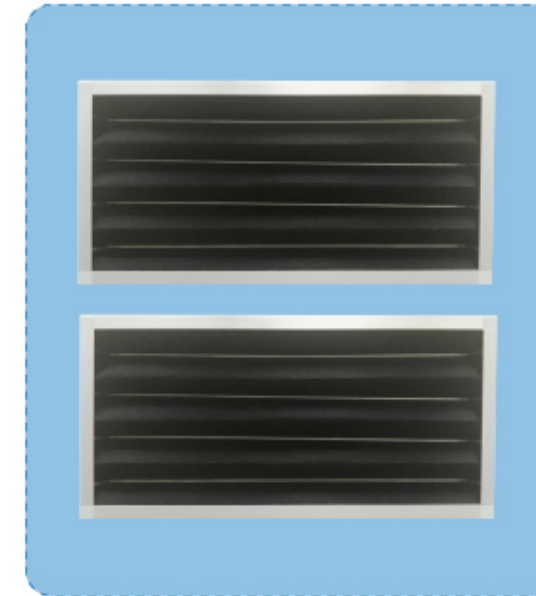
Deep-Pleat High-Efficiency filter



- The partition-type filter screen is divided into corrugated sections with a minimum thickness of 0.0038 mm. The corrugated aluminum partitions maintain equidistant intervals between each folded filter paper, facilitating smooth airflow passage and ensuring the effective utilization of the filter material while enhancing structural strength. The aluminum partitions feature double-folded edges to prevent misalignment of the filter paper, thereby providing maximum safety.

Efficiency	PAO、99.99%、99.995%at0.3um
Durable Temperature	80℃
Filter material	Made of ultra-fine high-density glass fiber, the continuous folding provides a high ratio of filter material area. The filter screen and filter material are sealed with special sealant to ensure airtightness around the filter material.
Outer frame	Plated frame, aluminum frame or stainless steel frame. You can choose between box type single flange and double flange. Metal protective nets can be installed on both sides of the filter screen.

Plate-Type activated carbon filter



- The wave-type design slows down the air velocity passing through the mesh, thereby reducing pressure loss and increasing the surface area and capacity of the filter material. This configuration offers excellent ventilation performance, low resistance, extended lifespan, and cost-effectiveness.

Filter material	Non woven cotton+activated carbon pellets
Outer frame	Paper frame, galvanized iron frame, aluminum frame or stainless steel frame
Support network	Corrosion resistant metal support mesh

Application

Widely utilized in heavily polluting industries such as chemical, pharmaceutical, and paint manufacturing, this product exhibits significant anti-toxic and deodorizing effects. It is also employed for air purification and deodorization in underground facilities, leather factories, and animal breeding environments. The filter effectively adsorbs industrial waste gases, including benzene, toluene, oil vapors, sulfur dioxide, CS₂, and other organic solvents.

Non-Woven primary filter cotton



Texture of material	Polyester
Thickness	3, 5, 10, 15, 20, 25
Efficiency	G2、G3、G4
Maximum temperature	100℃
Initial pressure loss	50-110Pa
Final pressure loss	140-250Pa
Air velocity	2.5m/s

- Primarily utilized for primary filtration in ventilation systems and system return air filtration, this filter is suitable for a wide range of industrial applications, including pollution prevention and control, air conditioning, electronics, pharmaceuticals, and more.