



LEFILTER[®]

Stock name: Xinxiang Filter Stock code: 837936

LEFILTER[®]

Integrity Management
Pursue Excellence

TO THE
Purify Environment
Serve Community

WORLD





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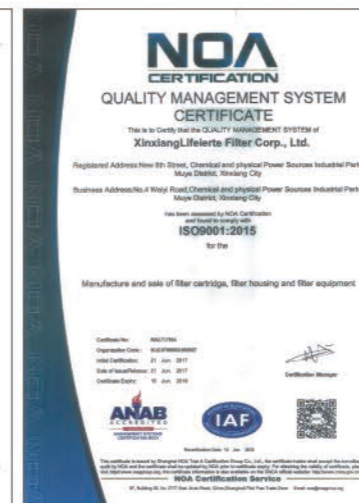
Company Profile

Xinxiang Lifeierte Filter Corp., Ltd is specialized in manufacturing oil filters, air filters, water filters and hydraulic parts.

Located in Xinxiang, "center of filtration in China." Lefilter integrates with oil filtration, water treatment and air purification to provide the society with more professional service and meet customers' demands. Lifeierte has top-notch R&D team, professional technical team, effective production network and after-sales service system. The philosophy of Lifeierte is "Purify Environment, Serve Community, Integrity Management, Pursue for Excellence".

Lifeierte also established comprehensive cooperative relations with some famous design & research institutions and colleges. The quality of the product has reached the international advanced level.

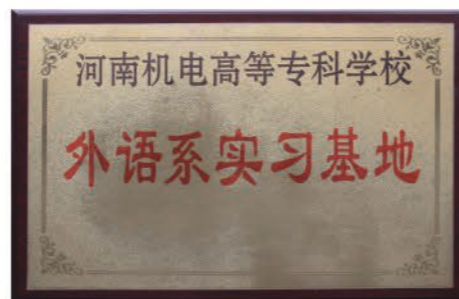
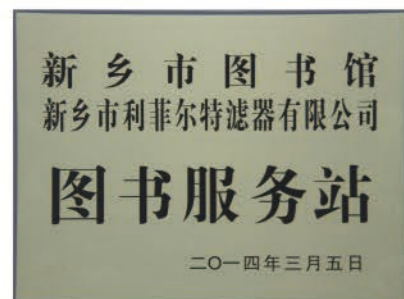
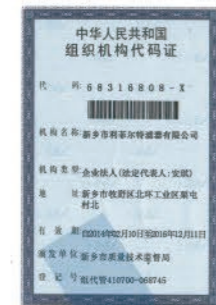
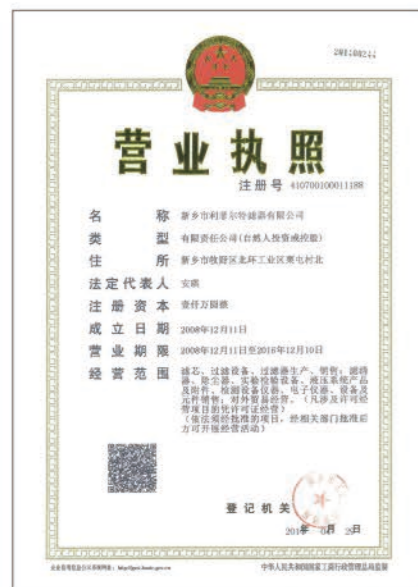
After fast development, Lifeierte now is a public listed company, stock code: 837936, stock name: Xinxiang Filter. We'll continue to providing best quality and service for you.



7 testing standards are satisfied by the products

- ISO2941... filter elements—the testing for the cracking resistance
- ISO2942... filter elements—the identifying for the structural integrity
- ISO2943... filter elements—the identifying for the compatibility between material and the liquid
- ISO3723... filter elements—the testing method for the end load of filter elements
- ISO3724... filter elements—the identifying for the fatigue properties of the filter elements
- ISO3968... filter elements—the testing for determination of pressure differential/flow characteristics
- ISO4572... filter elements—the testing for the multi-pass method for evaluating filtration performance.

Enterprise Qualification



Water Filters

PP Melt-blown Filters

1. Brief Introduction:

PP melt-blown Filter is composed of polypropylene superfine fiber which melted and entangled at high temperatures. The fiber without any chemical adhesives forms three-dimensional micro porous structure which integrates the surface, the deep and the coarse filter together. Because the fiber and density in the diameter direction of the filter forms deep filtering structure with high filtration precision, high pollutant assimilative capacity, small pressure difference, dense inside and sparse outside gradient aperture structure. It has strong pollutant assimilative capacity, and can effectively remove the impurities such as suspended solids in the flow of fluid, particles, rust, etc. it also have a good filtering performance and long service life.

2. Application Fields:

- used in drinking water filtration, RO antiosmosis filtration
- used in the acid and alkali liquid filtration in industrial chemistry
- The filtration of industrial water and plating solution
- The filtration of imaging solution and ink
- The pre-filtration of sterile water and ultra-pure water
- The filtration of chemical materials and organic solvent

3. Production Features:

- The surface with deep hole groove structure can scatter the direction of flow and reduce the flow resistance
- Progressive density structure can increase the carrying capacity of the pollutant
- Reinforce the surface fiber structure and reduce the depilation possibility
- Be made of PP superfine fiber which have high filtration precision
- 100% pure PP can ensure high corrosion resistance
- shape in hot melt way without any chemical adhesive



4. Technical Specifications:

Filter Size :

- External diameter : 63mm, 110mm
- Inner diameter : 28mm, 30mm
- Length : 9.75"、9.87"、10"、20"、30"、40"、50"、60"

Material :

- Filter material : polypropylene (PP)
- End cover : polypropylene
- Center pole: polypropylene
- Spacer/ seal ring: silicon rubber, Ethylene Propylene Rubber (EPR), nitrile rubber buna (NBR), FPM

Filter element performance:

- Filtering accuracy: 1µm, 3µm, 5µm, 10µm, 25µm, 50µm, 75µm, 100µm, 150µm
- The highest operating temperature: 80°C
- The maximum PSID (Pounds per Square Inch Differential): 2.0Bar, 21°C

Microporous Folded Filters

1. Product Information

Employed a variety of high-quality filter material, folded filter is made by folding the imported non-woven fabric or mesh, which serves as the supporting layer. The materials meet the requirement of FDA, and have a wide range of chemical compatibility. The filter housing, the centre rod, and the end cover all employs the thermal fusion welding technology. Without using any glue, the production process is environment-friendly, no pollution, and no leakage.

2. Application Field

- Pharmaceutical industry: pre filtration of various antibiotic pharmaceutical
- Food and beverage industry: filtration of wine, mineral water and drinking water
- petroleum industry: pre filtration of oil field water
- Electronic industry: pre filtration of high purity water
- Chemical industry: filtration of all kinds of organic solvents, acid and alkali

3. Product Features

- Outstanding chemical compatibility, suitable for filtering the strong acid, alkali and organic solvents
- Membrane is the deep folding filtration, and the folding design increases the filtering area
- Low PSID (Pounds per Square Inch Differential), strong pollutant-carrying capacity, long service life
- A variety of filtering precisions are offered.
- The gradual aperture changes can provide high pollutant-carrying capacity
- Materials meet the FDA's requirements



4. Technical Specifications

Filter size:

- Outer diameter: 69 mm
- Length: 9.75", 10", "20", 30", 40"

Parts material:

- Filter material: polypropylene (PP), poly ether sulfone (PES), poly tetra fluoro ethylene (PTFE), Nylon 6 (N6), PVDF membrane
- supporting/diversion layer: polypropylene
- Shell/centre rod/end cover: polypropylene
- Sealing ring material: silicon rubber, ethylene-propylene rubber, nitrile rubber, fluorine rubber, Teflon rubber

Filter performance:

- filtering accuracy: 0.1µm, 0.22µm, 0.45µm, 1µm and 3µm, 5µm, 10µm, 20µm, 50µm
- The highest operating temperatures: 1 bar 80 °C, when the temperature exceeds 50 °C the recommendation is to employ stainless steel as the supporting ring
- Maximum PSID (Pounds per Square Inch Differential): 4.0 Bar at room temperature
- The biggest backpressure difference: 2.0 Bar at room temperature
- Sterilization temperature: 121 °C, 30 minutes at a time

Power Plant Condensate Water Filters

Introduction:

The filter is specially designed for power plant condensate water, it is a pleated filter element that can be washed repeatedly.

Application

- RO filter housing, seawater desalination pretreatment
- power plant condensate water treatment
- Biopharmaceutical industry, solvent & water

Technical Data:

Filter element sizes:

- Outside diameter: 64mm
- Length: 60inch(1524mm)
70inch(1778mm)

Parts material:

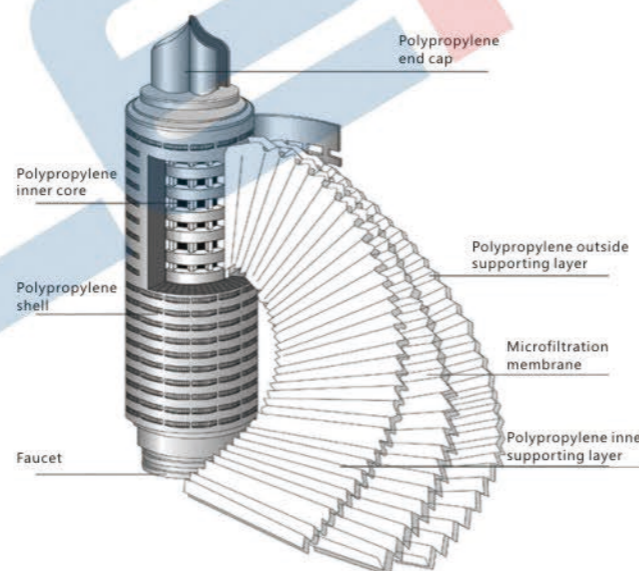
- Filter medium: Polypropylene
- Support/Diversion layer: Polypropylene/Stainless steel
- Connection: Thread or 222 ichthyopterygium

Filter element performance:

- Precision: 1µm, 5µm, 10µm
- Max. Temp.: 82°C
- Max. Pressure drop: 2.8Bar 65°C



Microporous Folded Filter Structure



Wire-wound Filters

1. Product Information

Wire-wound filter is made of textile fiber roving, which is tightly wrapped on porous skeleton according to the specific process, forming a honeycomb structure that is loose outside but tight inside. Wire-wound filter with eminent filtering feature can effectively remove the impurity substance in the fluid, such as suspended matter, rust and particle.

2. Application Field

- Pre filtering treatment of drinking water
- Filtration of acid and lye liquid in chemical process
- Filtration of industrial chemicals and organic solvent
- Pre filtering of reverse osmosis in RO
- Filtration of serous fluid such as syrup, chocolate
- Filtration of developing liquid, ink
- Pre filtration of sterile water and ultrapure water
- Treatment of industrial water and plating solution

3. Product Features

- Wire-wound filter element is made of textile fiber yarn, which is tightly wrapped on porous skeleton, and its different filtering precision is controlled by the winding density of filtering layer and shapes of filter hole
- It can withstand high filtration pressure
- It has a wide range of chemical compatibility
- A variety of materials can be used to make this filter element in order to adapt to the demand of different liquid filtration
- The structure of filter aperture with deep filtering effect is loose outside and tight inside
- With the small pressure drop and large pollutant-carrying capacity this filter element can effectively remove suspended matters and particles in liquid.

4. Technical Specifications

Filter size:

- Outer diameter: 62 mm, 110 mm
- Inside diameter: 28 mm, 30 mm
- length : 9. 75", 9. 87", 10", 20", 30", 40"

Parts material:

- Filter material: polypropylene (PP), absorbent cotton, glass fiber
- Center rod: polypropylene and stainless steel

Filter performance:

- Filtering accuracy: 0.5µm, 1µm, 5µm, 10µm, 20µm, 30µm, 50µm, 75µm, 100µm
- Polypropylene wire-wound filter element can be used in chemical solvents such as acid and alkali, organic solution, and the suggested highest operating temperature is 60 °C or less.
- The center rod of absorbent cotton fiber filter is made of stainless steel, and it can be used in organic solution, water, oil, alkaline solution, beverage, and medicine etc.



Activated Carbon Filters

Product Introduction

Activated charcoal filter element which is formed by the extrusion of high-efficiency powdered carbon and edible gelatin powder. It not only has excellent absorbability of granular activated carbon, but also can prevent the releasing of the powdered carbon. In addition, residual chlorine, peculiar smell, and organics in liquid or gas can be filtered effectively.

Applications

- drinking water treatment
- plating solution treatment
- food industry
- industrial water treatment

Product Features

- high adsorption performance
- remove fluoride, odor and organics effectively
- low differential pressure and stable flow
- no powdered carbon releasing

Technical Specifications

The size: :

- outer diameter: 20mm, 50 mm, 65 mm, 68 mm, 115 mm (can be customized)
- inside diameter: 28mm, 30 mm
- Length: 9.75 ", 9.87 ", 10 ", 20 ", (can be customized)

The Materials of the parts :

- Filter material: Coal Charcoal
- The end cover: Polypropylene
- Gasket: NBR, EPDM, silicone rubber
- Grid: Polypropylene

The Performance :

- filtering accuracy: 5µm, 10µm
- maximum operating temperature: 52 °C
- Maximum PSID (Pounds per Square Inch Differential): 17Bar
- Maximum PSID (Pounds per Square Inch Differential): 7Bar, 20 °C



Multi-fold Filters

I. Introduction

The filtering medium of folded filter element is made of polyester fiber, which has good mechanical properties, optical properties and high temperature resistance. The performance cannot be affected in a strong acid, but affected in alkali. The high tensile strength ascribed to polyester fiber cloth, the material of this filter. The filter media, the central rod and the end cover are glued together as an integral part, to ensure a better leakproofness. The folding design can provides a greater filter area and an extended filter life. It can also reduce replacement frequency and costs. Taking the industrial value into consideration, this filter is an economic product.

II. Applications

- RO cartridge filtration and common water treatment
- Food industry and drinking water
- Swimming pool filtration
- Acid-base liquids filtration in the industrial chemical process
- Chemicals materials and organic solvents filtration
- Pre-filtering for sterile water and ultra-pure water
- Industrial water, electroplating water treatment

III. Product Features

- Folding design can increases filtering area
- Low PSID, high flux, long service time
- Washable, lower costs

VI. Technical Specifications

Filter size: :

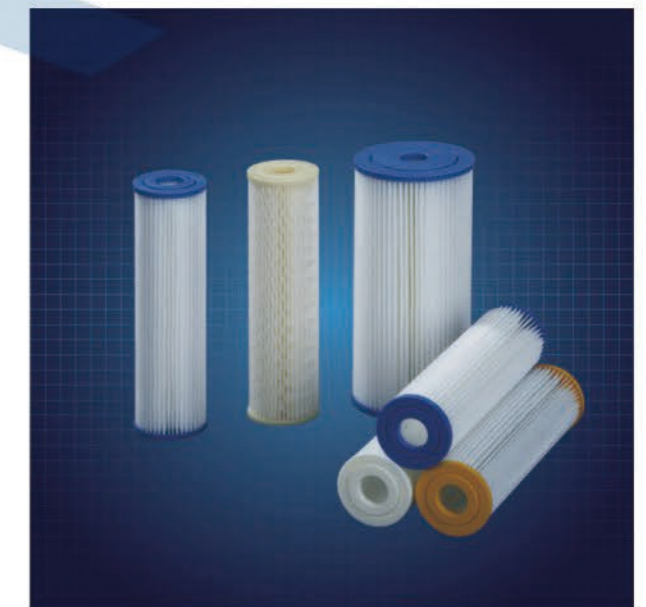
- Outer diameter: 68mm
- Inner diameter: 28mm
- Length: 9.75 ", 9.87 ", 10 ", 20 ", 30 ", 40 "

Component Materials :

- Filter material: polyester, polypropylene (PP)
- The end cover: PU / plastisol
- Center pole: Polypropylene

The Performance :

- Filtering accuracy: 1µm, 5µm, 10µm, 20µm, 50µm
- Maximum operating temperature: 37.8 °C
- Maximum pressure: 4.0Bar
- Flow: 3-10GPM /10 " (owing to the different size of the pore)



Pall High Flow Filter Equivalent

1. Introduction

Pall large flow filters have a big diameter of 6 inches/152mm, but no center support frame. Only one end of the filter is open and its flow manner of filtering fluid is from inside to outside. The big diameter of filter elements increases effective filtering areas, and greatly reduces the amounts of filter element and the size of its body case. Due to its large flow and long life, Pall large flow filter can lower investment and human cost in many applications.

2. Application Fields

- RO cartridge filtration and seawater desalination pretreatment
- Filtration of condensed water in power plants
- Filtration of bulk drug, solvent, and water in bio-pharmacy industry
- Filtration of bottled water, liquid glucose, edible oil, juice, soft drink and milk
- Painting, petrochemical industry
- Micro-electronics, film, fiber, resin

3. Product Properties

- The structure of gradual aperture
- Maximum flow of one filter can be up to 110m³/h during the water filtering.
- Filtration system size can be reduced by 50% in maximum.
- Filters with the length of 20", 40" and 60" can be offered.
- Inside-out directions guarantee all impurities will be left inside the filters.

4. Technical Specifications

Filter size:

- outer diameter: 6" (152mm)
- Length: 20" (528mm) , 40" (1022mm) , 60" (1538mm)

Part material:

- Filter material: folding glass fiber, folding deep polypropylene (PP) , MBPP
- Support/Diversion layer: polypropylene (PP)
- End cap: reinforced polypropylene with glass fiber
- Seal material: EPR (Ethylene-Propylene Rubber), nitrile rubber

Performance of filter elements:

- Filtering accuracy: 1μm, 4.5μm, 6μm, 10μm, 20μm, 40μm, 70μm, 100μm
- Highest operating temperature: folding glass fiber: 121°C
- folding deep polypropylene (PP) : 82°C
- MBPP: 65°C
- Maximum pressure drop: folding glass fiber: 3.4bar, 121°C
- folding deep polypropylene (PP) : 3.4bar, 82°C
- MBPP: 1.03bar, 65°C
- Recommended pressure drop for filter replacement: 2.4Bar, 20°C
- Recommended maximum filtering water flow: 20"filter: 660L/min 40"filter: 1300L/min 60"filter: 1900L/min



Parker High Flow Filter Equivalent

1. Introduction

Parker filter provides a filtering scheme which can effectively replace deep and other inner diameter 2-1/2" forms in heavy-flowing situations, such as anti-osmosis pre-filtering and similar efficiency-catering occasions. Each park series filter can process flow of 1300 liter/minute, which significantly reduces the filter quantity and size. The capacity of a park filter is equivalent to 10 filters with diameter 2-1/2", length 40". Positively charged type O sealing ring and a built-in handle make the filter installation fast, safe and convenient.

2. Application Fields

- Pretreating of RO cartridge filtration, seawater desalination
- Filtration of condensed water in power plants
- Filtration of bulk drug, solvent, and water in bio-pharmacy industry
- Filtration of bottled water, liquid glucose, edible oil, juice, softdrink and milk
- Painting, petrochemical industry
- Micro-electronics, film, fiber, resin

3. Product Properties

- Great capacity of impurity and long life.
- Less replacement saves labor cost.
- Sealed interface reduces the danger of bypass flow and improve the efficiency of filtering.
- Easier installment and lower labor cost
- They are applied in various fields with their extensive chemical applications.

4. Technical Specifications

The material:

- Filter material: glass fiber, polypropylene (PP) ,
- Support/Diversion layer: polypropylene (PP)
- The end cap: reinforced polypropylene with glass fiber
- Seal ring material: EPR (Ethylene-Propylene Rubber), silicon rubber, nitrile rubber, fluorine rubber

Performances of filter elements:

- Filtering accuracy: 1μm, 4.5μm, 6μm, 10μm, 20μm, 40μm, 70μm, 100μm
- Highest operating temperature: 82°C
- Maximum pressure drop: 3.4bar, 82°C
- Recommended maximum filtering water flow: 1300LPM



3M High Flow Rate Filter Equivalent

1. Brief Introduction:

It's designed for a variety of container which can hold 1 to 37 filter elements. It can meet a variety of flow rate demands and the hardware of which has a price competitive advantage. The large diameter of Filter design increases the filter area and can greatly reduce the amount of filter elements and the shell size.

2. Application Fields

- RO cartridge filtration, desalination pretreatment
- The filtration of Power plant condensate water
- Raw material drug, solvents and water filtration in biopharmaceutical industry
- Filtration for bottled water, liquid glucose, edible oil, juice, soft drink and milk
- Paints, coatings, petrochemical
- Microelectronics, films, fibers, resins

3. Production Feature:

- High pollutant assimilative capacity can prolong the service life and reduce the cost
- Reduce the amount of replacement filter elements and decrease labor costs
- The design of seal interface can reduce the risk of bypass flows and increase the filtration efficiency
- Easier installment and lower labor costs
- Wide chemical applicability can be applied to a variety of fields



4. Technical Specifications:

Material :

- The material filter : glass fiber, polypropylene (PP)
- Support/Diversion layer : polypropylene
- End cover : glass fiber reinforced polypropylene
- Seal ring: EPR, PTFE fluororubber

Filter element performance:

- Filtering accuracy: 1µm, 3µm, 5µm, 10µm, 20µm, 50µm, 70µm
- The highest operating temperature: 80°C
- The maximum pressure-drop: folding glass fiber:3.4Bar , 20°C
- Recommend pressure-drop of the replacement filter: 2.4Bar , 20°C
- The maximum water-carrying capacity: 1300L/min

Stainless Steel Filter Housing

1. Brief Introduction

The cartridge filter is made of 304 or 316L stainless Steel. With the advantages of light-weight, easy to use, large filter area, high filtering speed and non-clogging, it is widely used in pre-treatment and filtration.

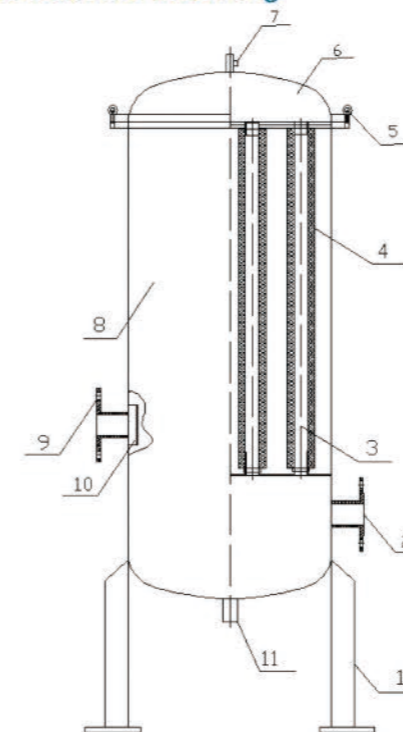
This filter could be equipped with different filter element, such as PP melt-blown cartridge, pleated cartridge filter, string-wound filter and activated carbon filter. The models are varied from 10" to 40".

Rapid filter includes clamp filter and flange filter. The biggest pressure capacity of clamp filter is 0.6Mpa, and the flange filter is 1.0Mpa. The maximum of pressure capacity could be 1.6Mpa.

Specification And Technical Parameter Of The Clamp

Diameter	specification	flow rate	Dimension of inlet and outlet
Φ167	3芯10"	1T	Dn25
Φ167	3芯20"	1.5T	DN25
Φ219	5芯10"	1.5T	DN25
Φ219	5芯20"	3T	DN32
Φ219	5芯30"	5T	DN32
Φ219	5芯40"	7T	DN40
Φ219	7芯10"	5T	DN32
Φ219	7芯20"	7T	DN40
Φ219	7芯30"	10T	DN50

Reference Drawing



1	Support Arm
2	Outlet
3	center pole
4	Filter element
5	flange
6	upper head
7	T-Cock
8	housing
9	inlet
10	water baffle
11	drain outlet



Flange Specifications

diameter	specification	wall thickness	flow rate	Dimension of inlet and outlet	Notes
Φ300	10 core40"	2mm	15T	DN50	Flange
Φ350	15 core40"	2 mm	25T	DN65	Flange
Φ400	20 core40"	2 mm	35T	DN80	Flexible flange
Φ450	25 core40"	2.5 mm	45T	DN80	Flexible flange with rocker arm
Φ500	30 core40"	3 mm	55T	DN80	Flexible flange with rocker arm
Φ550	35 core40"	3 mm	65T	DN100	Flexible flange with rocker arm
Φ600	40 core40"	3 mm	75T	DN100	Flexible flange with rocker arm
Φ700	60 core40"	3 mm	100T	DN150	Flexible flange with rocker arm
Φ800	70 core40"	3 mm	120T	DN150	Flexible flange with rocker arm

II. Product Principle

The shell of stainless steel cartridge filter is made of high quality stainless steel; the filter element is made of formed polypropylene melt-blown fiber. The stock solution will get through the filter material under pressure, any impurity, precipitate, suspended matter and bacteria would be removed.

III. Product Overview

The cartridge filter is usually installed before pressure vessel in order to get rid of the small particles when the turbid degree is more than 1 and meet the demand of inflow. Sometimes, it could be installed at the end of whole water treatment system to prevent the small particles from going to finished water. The shell of cartridge filter is made of high quality stainless steel and the filter element (such as PP cotton) is put inside. It is installed between the multi-medium prefiltration and the inverse permeability filter, ultrafiltration membrane filter. It could remove the small particles (such as small quartz sand and active carbon granule) in order to ensure the water filtration precision and prevent the membrane filter elements from damaging which caused by large particulate matter. Filter precision level varied from 0.5μm-100 μm, it is chosen according to different purpose so as to ensure water precision and the safe of membrane element.



IV. Product Structure And Technical Parameters

1. Design pressure : 0.75—1.0Mpa
2. Design temperature : 20°C~80°C
3. Seal type: O-rings and plain washers
4. Sealing material: NBR, silica gel, fluorine rubber label
5. Connector Type: thread, flange
6. Filter element: flat filter, 222 socket filter, 226 socket filter
7. Surface treatment: mirror polishing, electrolytic polishing
8. Filter fineness: 0.5μm--100μm
9. Shell material: 304 stainless steel

V. Function And Characteristic

1. It can bear higher filtration pressure and get rid of impurities such as suspended matter, rust effectively.
2. The filter element could be made of many materials so as to meet the need of different fluid filtration.
3. Small size, large filtering area, small resistance force, long service life.
4. Acid and alkali resistance.
5. High filtration accuracy, uniform pore, high strength, resistance of high-temperature and good dimension stability.
6. Low filter resistance, high filtration flux, effective sewage interception, long service life.
7. The filter media can't be polluted because of the high cleanliness of filter element material.
8. Cheap, low running cost, easy washing and the filter element could be replaced.



VI. Application Range

1. Suitable for NF, UF, RO, EDI and terminal filtration.
2. Suitable for medicine injection, LVP, eye drops, Chinese herbal medical filtration; for extraction, purification and concentration of biological preparation.
3. Suitable for prefiltration and terminal filtration of industrial supplying high purity water which is used in electronic, microelectronics and semiconductor field.
4. Suitable for filtration of oilfield reinjection water, boiler make-up water, chemical reagent, liquid organic products, high-purity chemicals and concentrated medical solution.
5. Suitable for filtration of purified drinking water, mineral water, juice, tea and health beverage.
6. Suitable for filtration of liquor, wine, beer, rice wine and ratafee, for draft beer sterile filtration (the substitution of pasteurizer).
7. Suitable for prefiltration and cartridge filtration of industrial and municipal wastewater treatment and reclaimed water reuse.
8. Suitable for filtration of scientific experiment, treatment of feed water and waste water in bioengineering, oil refining, printing and dyeing and textile industry.

Stainless Steel Bag Filter Housing

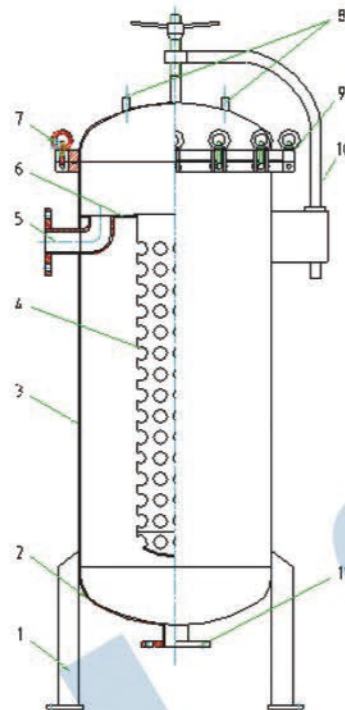
I. Brief Introduction.

Bag filter is a kind of multipurpose filtration equipment that is of novel- structure, small volume, convenient operation, energy saving, high efficiency and strong adaptability and it works in a closed environment.

The filter is a kind of pressure type filtering device, and the liquid flow from the filter casing side entrance tube into the bag. The bag itself is fixed in the reinforcing net. Qualified filtrate can be acquired when the liquid penetrates the required fineness grade bag and the impurity particles will be captured. It is very convenient to replace the filter bag with only a little bit material consumption.

Bag filter is made of high- quality stainless steel. The surface is processed by means of mirror polishing, matt or grit blasting. Bag filter is a new filtering system and a kind of professional liquid filtering equipment. The filtering bag is supported by metal basket in the filter. The liquid firstly flows into the bag from the entrance and outflows from the exit after filtered by the bag. Impurities are intercepted into the bag, which will effectively remove particles of different sizes, so as to achieve the goal of liquid filtration, purification, separation and recovery. Thus it can reuse after replacing or cleaning the bag. It is a kind of multifunction filtering equipment with novel structure, small volume, simple and flexible operation, saving energy, high efficiency, enclosed operation and strong applicability.

II. Product Structure



1	Stand bar
2	Shell cover
3	barrel
4	Filtering basket
5	water inlet
6	Supporting plate
7	Hanging nut
8	pressure, air-vent
9	hanging piece
10	Swinging arm
11	water outlet

III. Product Structure And Technical Parameters

1. Housing material: stainless steel 304, 316L
2. Diameter of the housing: $\Phi 167 \sim \Phi 1000\text{mm}$
3. Height of the housing: 410 ~ 1500mm
4. Reference flow rate : 10T/h ~ 300T/h
5. Working pressure: 1.0Mpa
6. Quantity of the bags: 1 ~ 10 branch
7. Interface modes: clamp type, flange type (common flange, a movable flange)

Clamp Bag Filter Specifications Parameter:

specifications	Bag type	Bag specifications	filter area	Pipe Diameter	maximum flow rate
$\Phi 167 \times 410$	4#	$\Phi 102 \times 410$	0.13	25	10
$\Phi 167 \times 810$	3#	$\Phi 102 \times 810$	0.26	25	20
$\Phi 219 \times 410$	1#	$\Phi 180 \times 410$	0.23	40	15
$\Phi 219 \times 810$	2#	$\Phi 180 \times 810$	0.46	40	30

Flange Bag Filter Specifications Parameter:

specifications	Number of Bags	Bag Specifications	filter area	maximum flow rate
$\Phi 400 \times 1300$	2	$\Phi 180 \times 810$	1.02	60
$\Phi 500 \times 1300$	3	$\Phi 180 \times 810$	1.38	90
$\Phi 600 \times 1500$	4	$\Phi 180 \times 810$	1.84	120
$\Phi 650 \times 1500$	5	$\Phi 180 \times 810$	2.3	150
$\Phi 750 \times 1500$	7	$\Phi 180 \times 810$	2.76	200
$\Phi 1000 \times 1800$	10	$\Phi 180 \times 810$	3.76	300

IV. Functions And Characteristics Of Products.

1. Slight probability of side leakage of filter bag which effectively guarantee the filtering quality.
2. Bag filter can bear greater working pressure with less pressure loss, lower operation cost and obvious energy- saving effect.
3. Filtering accuracy of filter bag is increasing continuously, which has reached 0.5 μm at present.
4. Bag filtering is featured with large-processing capacity, small volume and large amount of contaminant.
5. Based on the working principle and structure of bag filter, it is convenient and rapid to replace the filter bag. The filter is no-clean as well as labor saving and time saving. Filter bag can be reused after cleaning which can save cost. It is widely used and flexible, and can be installed in various ways.

V. The Application Range Of The Product

Paint, beer, vegetable oil, medicine, chemicals, petroleum products, textile chemicals, photographic chemicals, electroplating liquid, milk, mineral water, hot solvent, latex, industrial water, syrup, resin, printing ink, industrial waste water, fruit juice, edible oil, wax etc.



Hand Brush Filter Housing

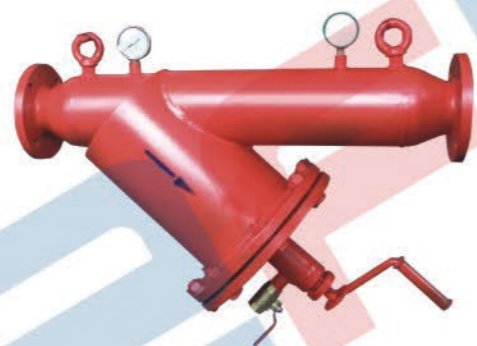
I. Working Principle

This filter with reasonable structure is made of fine material. The housing is made of high quality carbon steel, which can also be changed into stainless steel as requested. The organic brush is made from inorganic materials with good elasticity, high strength, good corrosion resistance and aging resistance. It also has a brush holder made of stainless steel. The filter net with exquisite structure is a crafted stainless steel wedge net. It is very easy to brush away debris. It works much better in filtering and cleaning than mesh or textile net. The brush won't be damaged when washing the net. Only turn the outside handle gently when using.



II. Technical Parameter

1. Housing material: Carbon steel or stainless steel
2. Filter net material: Stainless steel
3. Seal Material: Oil resistant asbestos, nitrile butadiene rubber (NBR), and PTFE
4. Working temperature (°C) : -30 ~ 380
5. Nominal pressure (Mpa) : 0.6 ~ 4.0
6. Filtering accuracy (µm): 10-300



III. Performance And Features

1. Convenient operation management with manual flushing and sewage, high filtering speed, simple and reliable flushing, strong backwash, without power, and energy saving.
2. Flushing and sewage can work normally under full flow. It can both maintain a high flow of the system and has a very low pressure drop, avoiding surface stains caused by low velocity.
3. Saving operation costs. In the installation process it does not need high bypass management and save the investment and installation cost of three bypass valves. Without any support structure, it is installed directly on the network which can save space. Sewage can be done without disassembly, which reduces the labor intensity and avoids the disassemble work and sewage in the process of debugging and maintenance, thus saving labor, energy and time.

IV. Selection Principle

1. Diameter of inlet and outlet
In principle, the size of the inlet and outlet of the filter should not be less than the inlet size of matching pump and generally consistent with the size of the inlet pipe.
2. Nominal pressure
The pressure rating of the filter is determined by the possible highest pressure of the pipeline.
3. Choice of mesh
On the basis of the technological requirements of the media, main consideration is given to the particle size of the impurities to be intercepted. Please check the following table "Mesh Specifications" for the particle size to be intercepted by all kinds of wire mesh.
4. Material
Generally the material of filter is the same as that of connection piping. Different materials can be chosen for different service conditions, such as cast iron, carbon steel, low alloy steel or stainless steel.

V. Product Application

Steel industry: Used in the water filtration in material store yard, sinter or pellet plant, in the cooling system of blast furnaces, rolling mills and casters, in the impurities filtration in removal phosphorus by high pressure water.

Automobile industry: Widely used in the water treatment system of coating production line and manufacturing of cars, tractors, motorcycles and engines.

Power plants: in the preprocessing of high-purity water in the boiler and the filtration for cooling water and sealing water of the generator.

Petrochemical industry: Used in the side filtration treatment in the circulation water field or main treatment by single or multiple models in parallel, replacing the filter material, reducing the workload of the filter material, avoiding consumption of much rinse water and thus saving costs.

Agriculture, gardening and paper mills: High-precision and high-automation filters are needed in the nozzle system to reduce equipment blocking and wear which caused by impurities.

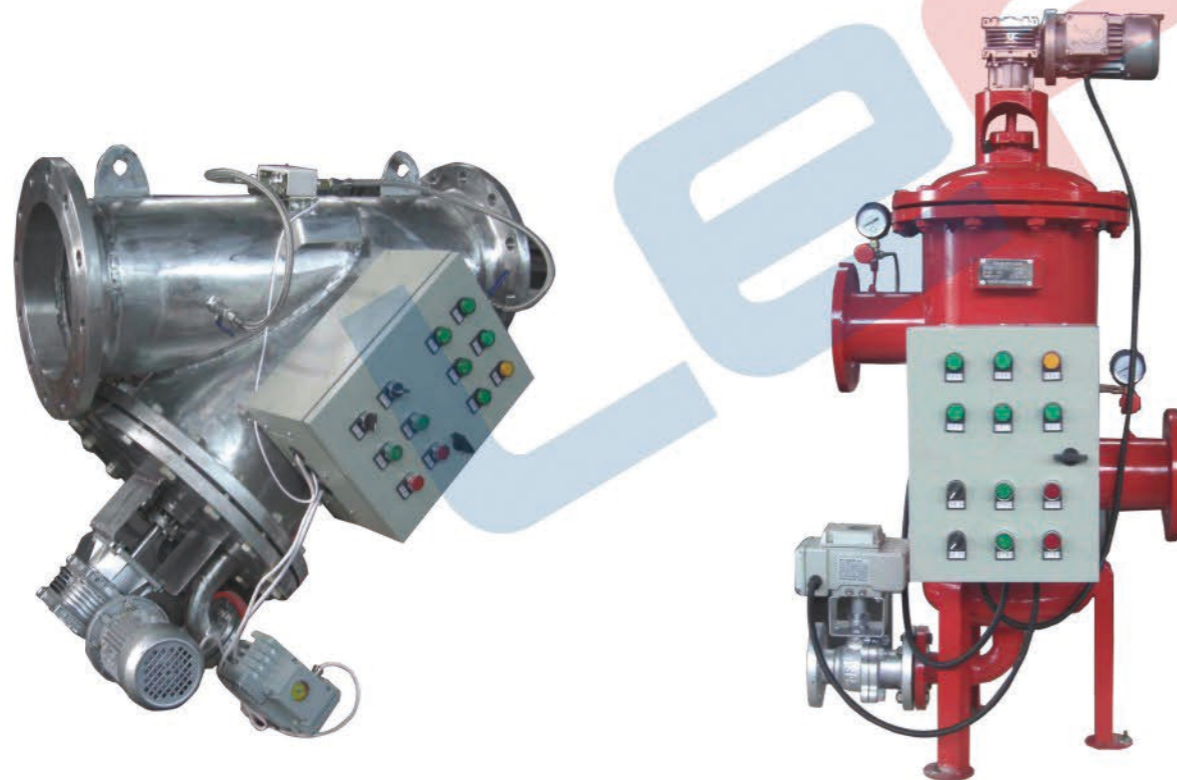
Machinery and food industry: Used to filter the system automatically and precisely, and to prevent blockage of the cooling water system.

Mining: Used to filter the underground water spray so as to guarantee the normal working of the system.

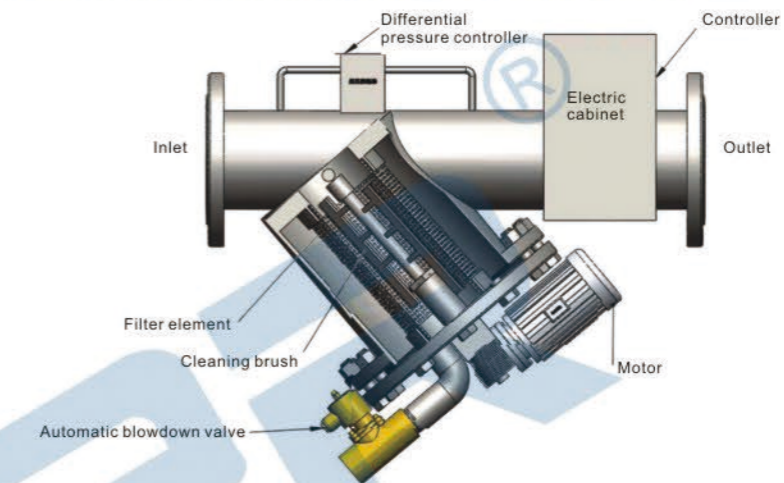
In conclusion, hand brush filter is widely used in water treatment in many fields such as construction, industry, mining, golf courses, architectural, steel, petroleum, chemical, electronics, electricity, textile, papermaking, food, sugar, pharmaceutical, plastics, and automobile industry.

Automatic Cleaning Filter Housing

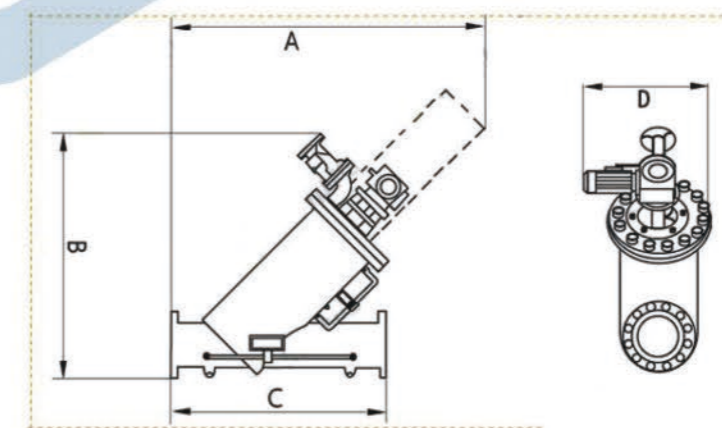
When water runs through the water inlet into the filter cartridge, the impurities were intercepted on the inner wall of the filter cartridge, and the clean water flows out of the outlet. As the impurities in the inner surface of the filter tube piles up, the differential pressure between the inlet and outlet runs up to the pre-set value, the self-cleaning process will begin. The self-cleaning process can also begin when it reaches the washing time or manual prefabrication. And it includes two steps: Open the automatic drain valve on the filter ; The cleaning brush inside the filter mesh is drove by the motor, and the impurities stopped by the filter mesh will be discharged from the drain valve. When cleaning, the system does not cut off; the whole operation process of the filter is controlled by an intelligent control box which is equipped with the filter. Control mode consists of differential pressure, time, manual and PLC control.



Structure Diagram Of Straight-through Automatic Sewage Filter



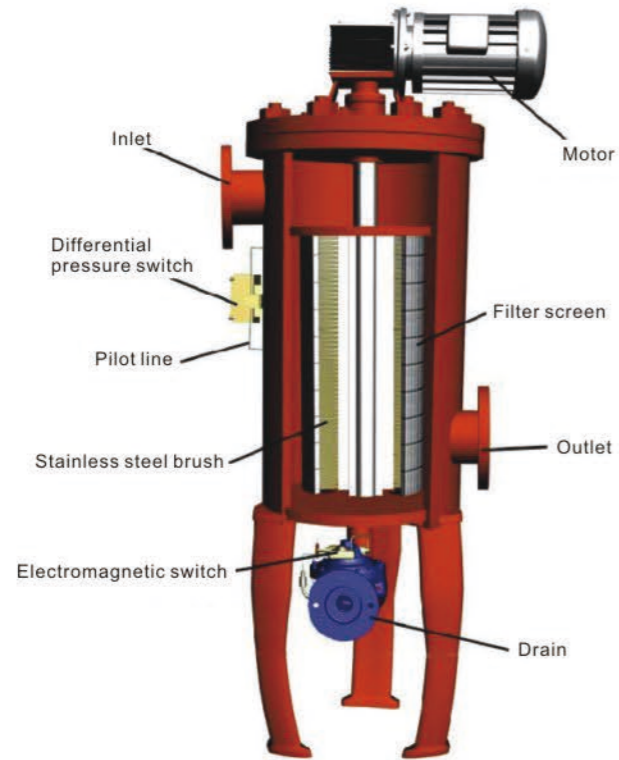
Size Chart Of Straight-through Automatic Sewage Filter



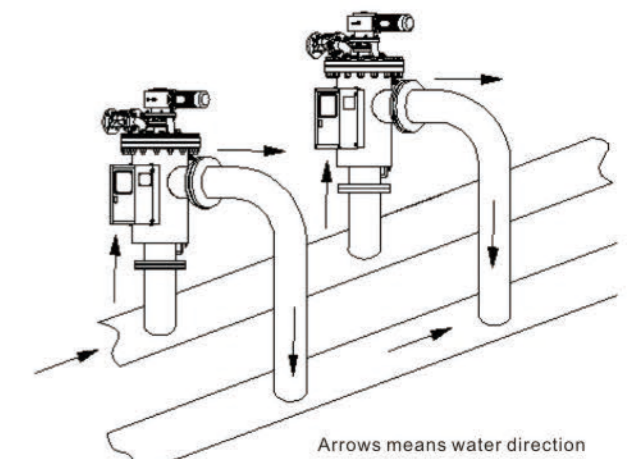
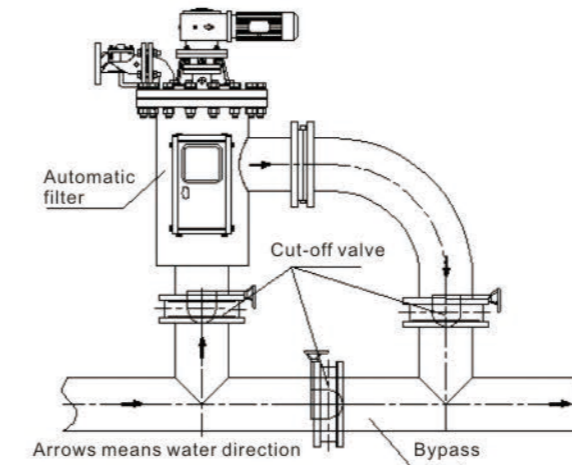
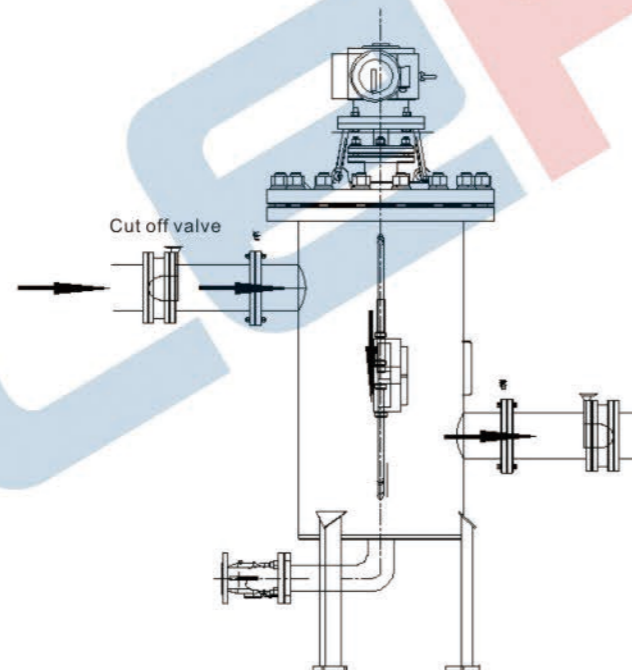
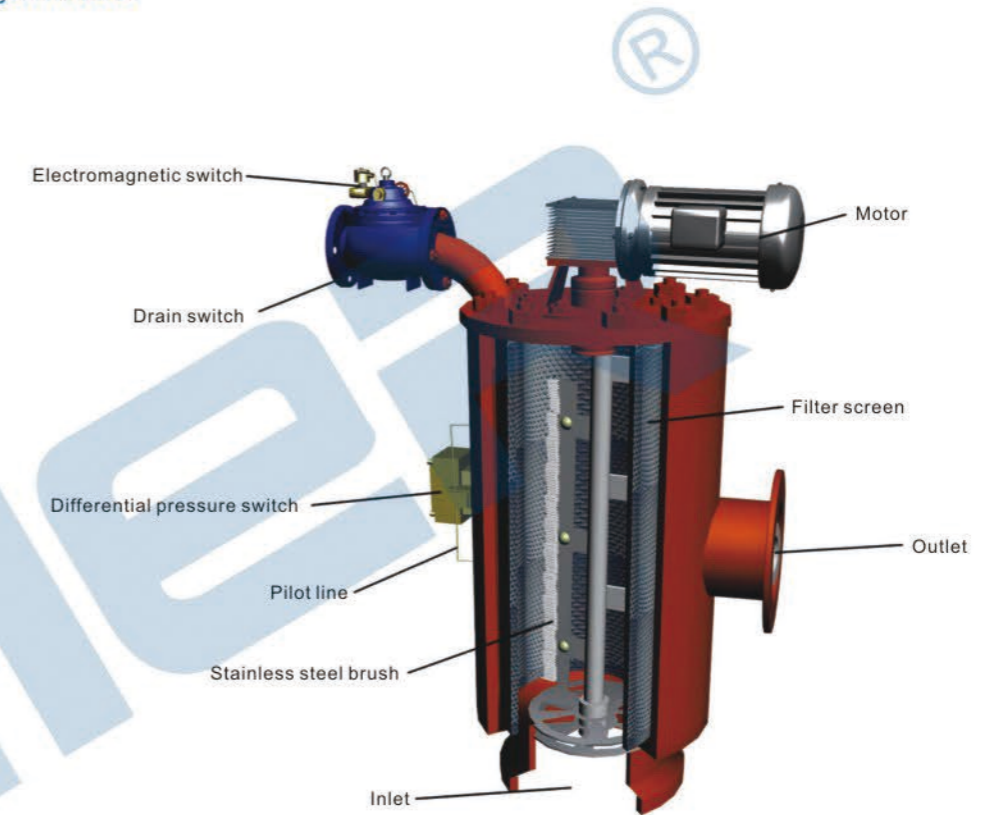
Technical Data Sheet Of Straight-through Automatic Sewage Filter

model	Inlet and outlet (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Sewage outlet (mm)	motor power (KW)	Flowrate (m³/h)	weight (Kg)
LFZT-80	Dn80	1180	600	750	1560	40	0.09	50	80
LFZT-100	DN100	1164	620	780	560	40	0.09	80	105
LFZT-125	DN125	1242	680	800	560	40	0.18	125	130
LFZT-150	DN150	1325	740	820	600	40	0.18	150	160
LFZT-200	DN200	1583	800	860	630	40	0.18	320	225
LFZT-250	DN250	1784	960	1050	66	40	0.18	490	260
LFZT-300	DN300	1888	1100	1250	73	50	0.25	710	395
LFZT-350	DN350	2091	1250	1360	850	50	0.25	970	490
LFZT-400	DN400	2388	1380	1420	950	50	0.25	1260	590

Vertical Automatic Self-cleaning Filter



Right Angle Model



Tabel 2

Model	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350	DN400	DN450	DN500	DN600
Technical data												
Working pressure	380V50Hz											
Power(kw)	0.25	0.25	0.25	0.25	0.37	0.37	0.37	0.55	0.75	0.75	2.20	2.20
Flow rate (m³/h)	45	60	105	150	260	410	590	800	1050	1320	1630	2350
Min. pressure (MPa)	0.1											
Max. pressure (MPa)	1.6											
Filtration area (cm²)	1165	1357	2095	3014	5270	7857	11414	15552	20344	25751	31785	42295
Inlet/outlet Dia. (Inch)	3	4	5	6	8	10	12	14	16	18	20	24
Drain valve Dia. (mm)	DN50-DN80											
Blowing time (S)	40-60seconds											

Filter Material Of Fully Automatic Sewage Filter

- Filter housing: carbon steel, 304 stainless steel, 316L stainless steel
- Filter screen: 304 stainless steel, 316 L stainless steel
- Brush holder: 304 stainless steel, 316 L stainless steel
- Drain valve: cast iron, stainless steel
- Controller: PVC, aluminum
- Seal gasket: EPDM rubber
- Cleaning brush: stainless steel, nylon

The application of industrial filter: cooling water filter; nozzle protection; sewage tertiary treatment; municipal water reuse; workshop water; pre-filtering of R.O. system; acid pickling; filtering of paper-making white water; injection molding machine; pasteurization system; vacuum pump system; air compressor system; continuous casting system; water treatment applications; refrigeration and heating water systems.

The application of irrigation filter : groundwater; municipal water; rivers, lakes, sea water; orchard; nursery; Greenhouse; golf course; park.

Y Type & Basket Filter Housing

Y Type Filter

The Y type Filter usually installed in the inlet side of pressure reducing valve, relief valve, the water level valve, and other equipment. It is used to filter out impurities in the medium so as to protect the valve and ensure the normal use of the equipment. When the liquid enter the filter drum through the main pipe, particles of solid impurities are stopped in the filter drum, and the pure liquid get through the filter and discharged from the outlet.

The function is to filter the mechanical impurities in the medium; rust and sand in the sewage and solid particals in the liquid so that it can protect the parts of tube from abrasing and blocking. What's more it can ensure the normal use of the equipment. The Y Filter usually connected by flange and screw.

Technical Parameters:

- Nominal diameter: DN15-DN800
- Working temperature: -30°C - 200°C
- Filtering accuracy(mesh): 10-300
- Seals material: nitrile -butadiene rubber (NBR), fluoro rubber(FPM), oil-resisting asbestos
- Working pressure: 1.0Mpa,1.6Mpa
- Body Material: carbon steel, brass, stainless steel 201,304,316



Basket Filter

Basket Filter is a small equipment that can remove the solid particles. It can ensure the normal work of the compressor, pump, instrument and other equipments. When the liquid enter the filter drum with a certain filter screen, the impurities are stopped and the pure liquid can discharged from the filter. Just remove the removable filter drum and reload it when needed washing. Therefore, the operation and maintenance are convenient too.

The function is to filter the mechanical impurities in the medium; rust and sand in the sewage and solid particals in the liquid so that it can protect the parts of tube from abrasing and blocking. What's more it can ensure the normal use of the equipment. The Basket Filter usually connected by flange.

Technical Parameter:

- Nominal diameter: DN25-DN300
- Working temperature: -30°C - 200°C
- Filtering accuracy(mesh): 10-300
- Seal material: nitrile -butadiene rubber (NBR), fluoro rubber(FPM), oil-resisting asbestos
- Working pressure: 1.0Mpa,1.6Mpa
- Housing Material: carbon steel, stainless steel 201,304,316



Markets & Applications



Metallurgy



Paper industry



Bio-pharmaceuticals



Aviation



Power plant



Colliery



Textile&chemical fiber



Military industry



Petroleum



Natural gas



Shipbuilding industry



Water treatment



Chemical industry