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Our advantage

Laser particle size analyzer -- reasonable selection

Detection Accuracy Range: 0.1 um-800um;
Repeatability error: < 1% (standard sample D50 deviation) ;
Accuracy error: < 1% (standard sample D50 deviation) ;
Professional detection of various types of liquid impurities in the fine diameter distribution and impurities content range.

Spectral analyzer imported from USA -- Material Quality Assurance

Accurate analysis of thousands of alloy grades in the conventional (more than 30 kinds) alloy element composition;
High precision, close to the level of laboratory analysis, can visually display alloy grade and element percentage content and PPM content;
“Start-aiming test-check the result”, the whole analysis process can be completed in only a few seconds, alloy grade identification only need 1-2 seconds, easy to operate.

Testing and calibration laboratory -- flow rate, pressure loss and guarantee of structure design

Domestic only professional flow, pressure loss calibration room;
Reasonable selection of the second level of protection;
All kinds of imported equipment R&D capacity of the most basic guarantee.

Sandblasting equipment-appearance assurance

Automatic stainless steel shot blasting, shot blasting and food-grade polishing;
Remove the external surface of oil, scale and rust, improve the smoothness of the workpiece, so that the equipment as a whole looks more beautiful.

Product Application Area

Typical application

Oil well water injection filtration, process circulating water filtration, cooling water filtration, monomer and polymer production, amine-rich and amine-poor recovery, lubricating oil, aviation kerosene and other oil filtering chemical raw materials and finished products filtering, catalyst recovery, filtering naphtha, FCC slurry, AGO atmospheric gas oil, CGO coking wax oil, VGO reduced pressure gas oil; protecting pumps, heat exchangers, valves and other key equipment.

Customer benefits

Stabilizing and increasing oil field output, lower operation cost and energy consumption, reducing pipeline corrosion, maintaining catalyst activity and prolonging service life, reducing environmental protection treatment cost, removing oil and solid particles from water, reducing treatment cost; Prevent product quality fluctuation.



Petrochemistry

Typical application

Filtration of raw materials such as acrylic resin; removal of fibers and gels in coatings; filtration of solvents; filtration of large particles in inks; filtration of particles with sub-standard fineness; removal of agglomerated impurities after mixed reaction; removal of agglomerates in gel coatings; Filtration of large particle carbon black and filler in adhesive; recovery of active material and catalyst in pharmaceutical industry; removal of active carbon; crystallization prefiltration; recovery of valuable materials; clarification and sterilization of pharmaceuticals.

Customer benefits

Filter recovery solvent: make coating film uniform and smooth, screen large particles, improve grinding efficiency and improve product purity.



Precision Chemicals

Typical application

Source of fermentation liquid, pretreatment of membrane filtration front end, interception of active carbon and filter aid, filtration of pure water, filtration of big pot bean powder, recovery of active material and catalyst, filtration of medicinal syrup, protein and plant extraction purification, filtration of crystal liquid, filtration of impurities in amino acid aqueous solution, recovery of valuable materials, clarification of drugs, sterilization.

Customer benefits

Improve product purity and quality, reduce energy consumption, recover precious materials, protect key equipment, reduce operating procedures, speed up the production process.



Biopharmaceutical



Food and drink

Typical application

Intercepting active carbon and filter aid; filtering mixed oil and crude oil, polishing and filtering of finished oil; security filtering before filling; filtering of water and cleaning water for various food production; filtering of raw materials such as syrup; removing impurities from blending process; To remove suspended matter or sediment from a beverage; to filter chocolate, soy protein, jelly, beer, etc.

Customer benefits

The method can improve the taste, clarity and purity of the finished product, recycle water and protect the key equipment.



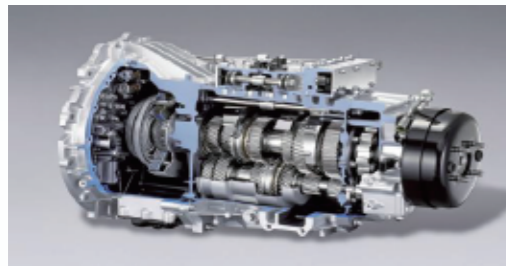
Pulp and paper making

Typical application

Filter all kinds of paper machine water ,such as water, high and low pressure spray water, water needle water, heat exchange water, white water, sealed water, bearing cooling water, cooling tower water, high and low pressure cleaning water; Filter all kinds of paper coating additives such as polymer, calcium carbonate, bentonite, starch cooking liquid, defoamer, sizing agent, lubricant, water-resistant agent, dye, filling color, latex and so on.

Customer benefits

Prevent nozzle clogging, recycle and reuse water, save energy and reduce emissions, control pollution and impurities into the wet end, stabilize and improve paper quality.



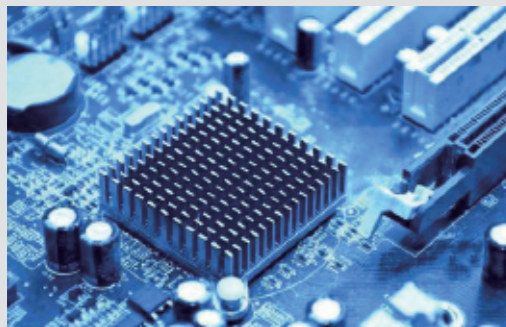
Automobile industry

Typical application

Filtration of degreasing, phosphating and cleaning fluid; filtration of particles and trace oil in electrophoretic paint; ultrafiltration of metal paint and varnish; filter welding cooling water; filtration of engine processing cooling fluid.

Customer benefits

Improve the bonding strength; improve the surface treatment effect; reduce paint surface shrinkage and re-processing; extend the service life of electrophoretic paint; prevent nozzle clogging; improve product pass rate.



Electronic Semiconductor

Typical application

Circulating filtration of wafer grinding wastewater; pre-filtration of pure water; pre-filtration of membrane filter screen; filtration of cooling water; removal of impurities in copper foil electrolytic stabilization tank; filtration of chemical slurry; filtration of PCB Ink; oil removal in copper foil manufacture; Remove zinc deposits from zinc liquid; remove impurities from copper electrolytic stabilizing bath.

Customer benefits

Increase the work efficiency, simple operation, increase the uniformity of product quality, reduce the cost of filtration.

Typical application

Lubricating oil filtration; circulating filtration of cooling fluid; recovery of precious metals; filtration of phosphating fluid and cleaning fluid of workpiece; filtration of antirust oil; Superfine kerosene filtration; removal of trace oil in cleaning fluid; circulating filtration of cleaning fluid in cleaning line of workpiece.

Customer benefits

Keep the oil clean and prolong the service life; improve the precision grade of metal processing; protect the metal processing tools and prolong the service life; reduce the operation cost and improve the processing efficiency; improve the pass rate.



Metal Processing

Typical application

Resins, plastics, inks and coatings

Application

oil and polymer filtration; dispersion, polymer production; resin, plastic synthetic paper coating for canned coatings, high-purity bottom inkjet filtration; removal of fibers, gels in coatings; filtering solvents; Filtration grinds fineness not up to the standard particle; removes the particle impurity after the mixed reaction; removes the gel paint the coagulating block; removes the oil content in the paint.

Customer benefits

Filter recovery solvent; improve resin gloss, increase the efficiency of ball milling operation; replace expensive chemical treatment; low operating cost and energy consumption; upgrade product grade.



Ink coating

Typical application

Marine lubricating oil, hydraulic oil, diesel oil, heavy oil, fuel oil, such as clean filtration; Pump protection before filtering; seawater, fresh water pre-filtration.

Customer benefits

To protect the safe and reliable operation of marine system.



Ships and the sea

Typical application

Filter sand and algae in raw water such as lake water, ground water, sea water and reservoir water; act as pre-filter of membrane separation system; filter circulating cooling water and frozen water of air conditioning system and compressor; capture Ion-exchange resin, circulating cooling water treatment, protection of nozzles and crystallizers in iron-making, coking, steel-making, steel-rolling, casting, etc; Reuse and yield of reclaimed water;

Customer benefits

Remove the polluted particles, make the water stable and up to the standard, save the resistance agent, rust inhibitor and other chemicals used in filtration.



Environmentally friendly water treatment

BE series brush type self-cleaning filter series



Product description

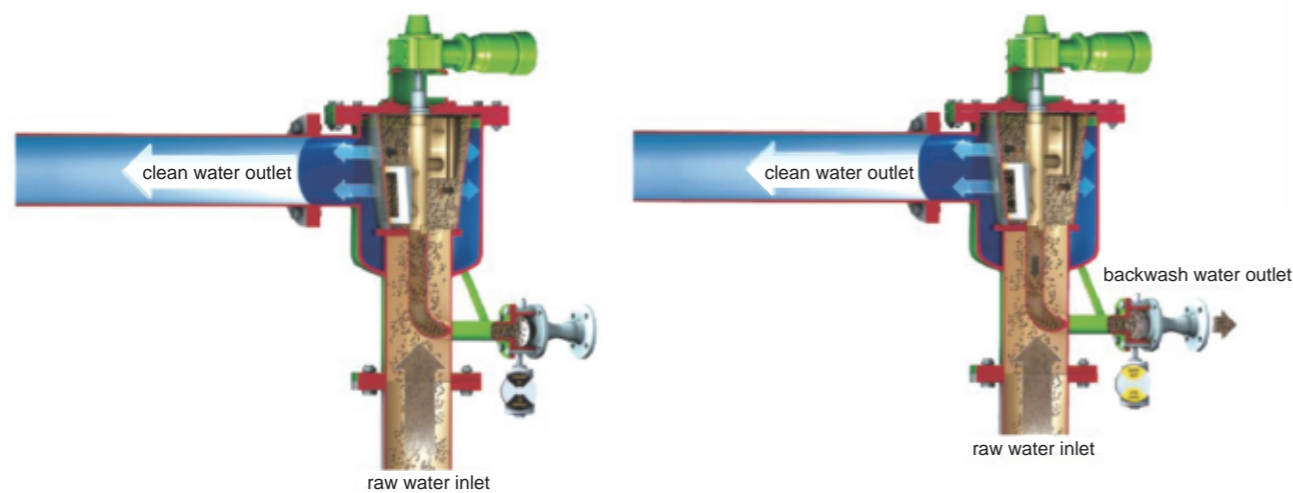
Brush-type self-cleaning filter series is suitable for DN25 ~ DN900 pipeline, choose this filter has the advantages of continuous fluid flow, easy maintenance, safe operation, is widely used in all industries.

Product characteristics

Brush-type self-cleaning filter is a kind of full-automatic cleaning filter suitable for harsh environment. For different requirements can be equipped with 3500-5000 microns screen, "8"~ "36" caliber. The self-cleaning process of the filter is initiated by a differential pressure switch which continuously monitors the pressure difference between the inlet and outlet of the filter . Normally, the differential pressure switch is set to 0.5 bar (7 psi) .

working principle

When the pressure difference between the inlet and outlet of the filter reaches a preset value, the filter will start the self-cleaning process. The whole self-cleaning process consists of two steps , Open drain valve located on upper end cover of strainer ,The motor drives the two stainless steel brushes in the body filter screen to rotate, and the impurities captured by the filter screen are brushed down by the steel brush and discharged from the drain valve. The whole process of cleaning about 15-60 seconds, and the system does not interrupt the flow when cleaning, the whole operation of the filter by a randomly equipped control box to control.



Characteristics and advantages

Uninterruptible water supply: cleaning water is very little, 5% of the filter water output, washing time is 2 ~ 15 seconds, the entire system uninterrupted water supply.

High filtering precision: the maximum filtering precision can reach 20 microns, there are a variety of precision screen for your choice.

Large filtering area: the effective filtering area of standard screen is 7 ~ 40 times of the entrance surface.

Cleaning reliable: there are a variety of control methods, manual, differential pressure, time, PLC program logic control options.

Simple and economical installation: the structure is various and suitable for all kinds of field installation without affecting the operation effect.

Long service life: normal life of more than 10 years, the screen for stainless steel, according to needs, can be very square to replace the different specifications of the screen.

Composite parameter

Operating Flow: 20-5000m³/h (please contact the manufacturer for details, different water quality & accuracy, the corresponding flow is different)

Minimum working pressure: 2kg (If the working pressure is too low, the booster pump equipment can be set at the drain outlet)

Maximum working pressure: 10kg, 150psi (high pressure type can be customized according to User' s requirement, contact the manufacturer for details)

Filter area: 3000cm²-20000cm²

Inlet/outlet diameters: 50,80,100,150,200,250,300,350,400,500,600,800 mm

Maximum operating temperature: 50°C (please specify ,if above this temperature)

Cleaning parameter

Drain valve size: 25 mm, 50 mm, 80 mm cleaning time: 30-60 seconds

Water consumption per cleaning: ≤5%





Filter material

Filter body: carbon steel, epoxy resin coating, according to the requirements of stainless steel 304, 316, 2205, 2507 etc.

Screen: stainless steel 304, 316L, 2205 wedge wire screen; stainless steel 316L mesh screen.

Cleaning structure (inside) : stainless steel 304, 316L, POM

Drain valves: cast iron, epoxy resin coating; 304, 316L

Sealing ring: synthetic rubber, polytetrafluoroethylene

Structure and sketch map

Control voltage: 24V can choose 10V or 24V DC motor power: 0.35-1.0 HP, 50HZ

Rated operating voltage: 3 phase, 220/380V (as required)

Electric current: 1.5-2A



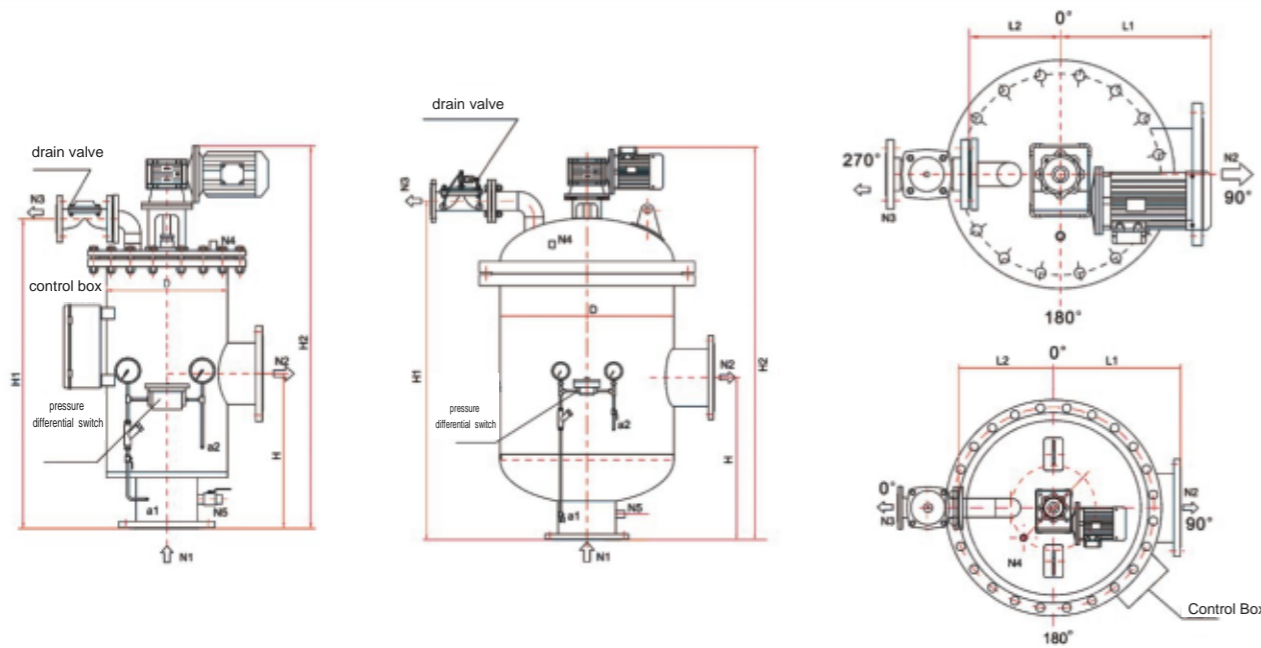
Standard filtration level

Mesh screen slot: 500,300,200,130,100,80,50,25,10 micron, wedge wire screen slot: 50,80,100,200,300,500 micron

Product type and parameters

Type	EB-219	EB-273	EB-325	EB-426	EB-530	EB-630	EB-720	EB-820	EB-920	EB-1020
Pipe diameter	50	50	100	200	250	300	350	400	450	500
Filtration flow	20	20	150	300	300	700	1100	1500	2000	2500
Filter area	0.27	0.27	0.35	0.66	0.66	0.85	1.3	1.4	1.8	2.3
Drain valve	25	25	25	50	50	80	80	80	80	80
Amount of water to be cleaned once	80	80	80	150	150	350	450	600	800	1000
Motor Power	0.55	0.55	0.55	0.55	0.55	0.75	0.75	0.75	0.75	0.75

Type	D(mm)	H (mm)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)
EB-229	219	450	830	1130	/	190
EB-273	273	500	885	1185	/	217
EB-325	325	500	945	1170	/	283
EB-426	426	500	1150	1350	325	343
EB-530	530	650	1330	1550	370	415
EB-630	630	685	1360	1660	400	460
EB-720	720	700	1500	1730	400	510
EB-820	820	765	1600	1870	450	600
EB-920	920	900	1720	1980	450	660
EB-1020	1020	920	1850	2100	500	710



SSCF series full-automatic outside scraper filter

Product description

The fully automatic outside scraper filter series is specially designed for the paper industry to solve the problems existing in the coating and pulp filtration, to remove paper breaks and streaks, and to effectively reduce the impact of emissions on the environment, maximizes working hours and product quality. (note: external scraping, i. e. the scraper is outside the filter element.)

Product characteristics

The leading external scraping filtering method is adopted to effectively prolong the filtering time under the same filtering area and reduce the material waste;

Self-adaptive adjustment of the cleaning device to ensure long-term work without the impact of wear;

The roundness deviation of the filter element made by the mould is less than 0.5 mm, which ensures the fitting degree between the scraper device and the filter element.

Self-cleaning strainer

Adopt a speed reducer to drive a rotary auxiliary knife, which can automatically remove the dirt attached to the filter element and keep the filter element filtering function. Unique clearance design, always keep the flow smooth. Scraper pressure and angle design precision, not in a short period of time damage screen, durable and fast change.



Standard size

A	OD of filter elements, specifications 85,168,268,301,470
L	standard screen length 600mm

Selection of working pressure of wedge wire screen

Wedge wire screen: 1mm

Working Pressure: 16kg/cm² below selection

Wedge wire screen: 1.5 mm

Working Pressure: 16-30kg/CM² below selection

Wedge wire screen: 1.8 mm

Working Pressure: 30kg/CM² below selection

Technical features and advantages

- ◎ Fully automatic operation, 24-hour continuous online filtering, end the heavy screen replacement cleaning work
- ◎ Do not produce disposable filter consumables, saving consumables costs and environmental protection treatment costs
- ◎ Using high-performance scraper, excellent scraping effect, significantly improve the ability to remove impurities, to avoid the impurities crushing extrusion
- ◎ Top quality filter screen, slot accurately, the surface is extremely smooth, easy to scrape, high strength, long service life
- ◎ Filter pressure loss is very small, flow is stable, save pipeline energy consumption, conducive to continuous and stable flow.
- ◎ Can be added backwash function to assist in cleaning the filter element
- ◎ Sealed filtration, prevent dangerous material leakage, conducive to safety in production
- ◎ A variety of modules and automation mode optional, to meet a variety of filtering applications
- ◎ Standard with cover auxiliary lifting device, single person can open and close the filter

Technical parameter

Applicable liquids: water and viscous liquids

Screen type material: V type slot metal screen (Wedge wire screen) , material 304/316L and special alloy steel

Filtering accuracy: 50-1500um (can also be customized)

Standard design pressure rating: 10Kg/CM², higher pressure can be customized.

Maximum design temperature: 0-200 °C (depending on seals)

Type of connection for inlet and outlet: Flange

Import and Export Connection Standard: ANSI (other specifications can be customized)

Case material: 304/316L/CS (other materials can be customized)

Scraper material: 304316lteflon UPE

Shell sealing material: NBR (standard)/Viton (FKM) fluorine rubber

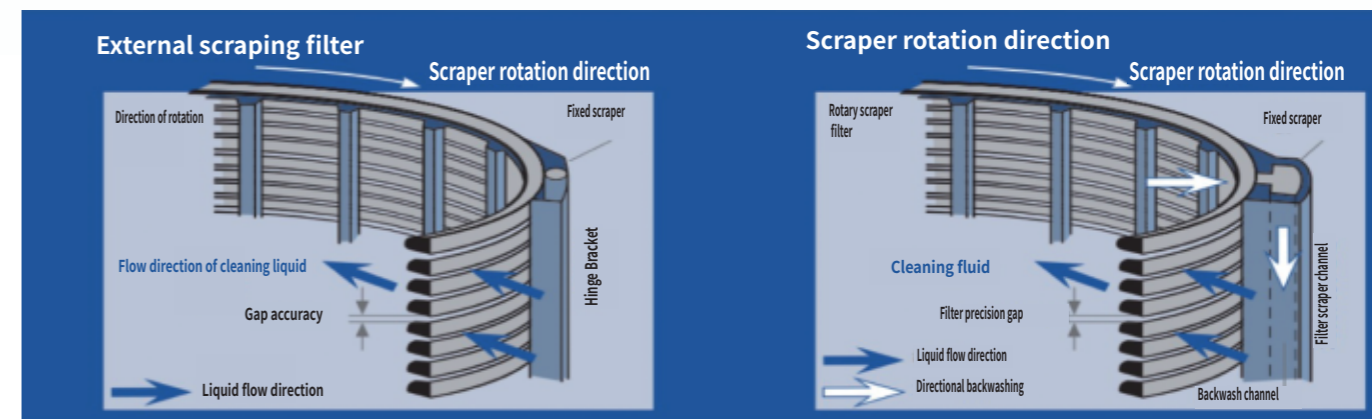
Drain valve: electric ball valve/pneumatic ball valve

Field of application

Applicable Industries: water treatment, paper making, petrochemical industry, bio-pharmaceutical, paint, ink, grease, food and beverage, etc.

Suitable for liquid types: water, sea water, kerosene, protein, oil and plastic, pigment, paint, resin, rubber, ethanol, chocolate, oil, fruit juice, cooling liquid, diesel and so on

Main filtering functions: removing large particles, constant value screening, purifying fluid, protecting key equipment



ESCF series cylinder scraper filter

Product description

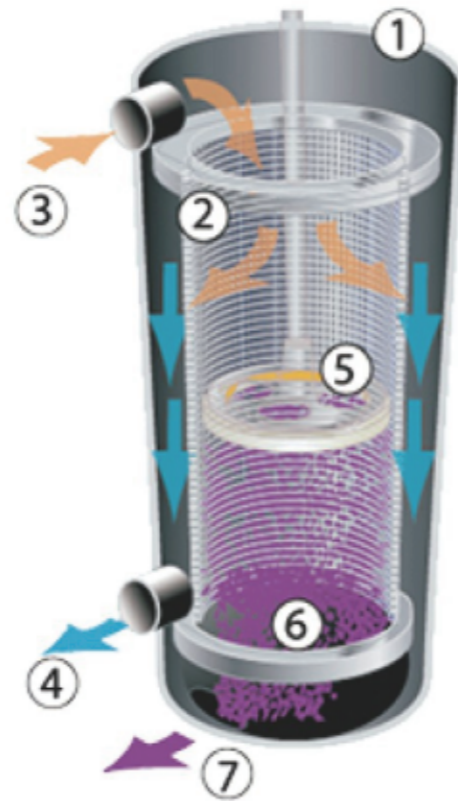
Full automatic cylinder scraper filter series is a new generation of mechanical self-cleaning filter, has reached the world's leading technical level. Unlike the backwash type self-cleaning water filter, the scraper filter is not only used for water filtration, but also widely used for self-cleaning filtration of solvent, acid and alkali solution, polymer, coating and other sticky materials, with higher efficiency and accuracy in the range of 30-1500 microns, can handle the viscosity of up to 800,000 centipoise liquid, applied to water treatment, petrochemical, metallurgy, power, fine chemicals, coatings, ink, papermaking, food and beverage, pharmaceutical, metal processing and other industries.

Fully automatic cylinder scraper filter, fully automatic operation, high filtering accuracy, stable and reliable performance, is the choice to replace the traditional manual filter or the use of discarded filter materials, in many fields can replace the traditional core filter, BAG filter, basket filter, vibrating screen filter, etc. .



Working principle

The working principle of the automatic cylinder scraper filter is very simple: a filter element (2) is arranged in a cylindrical stainless steel shell (1). When the uncooled liquid enters the housing from the inlet (3). The solid impurities are filtered and deposited on the inner surface of the screen. Finally the filtrate flows out of the outlet (4). When the filter element needs to be cleaned (depending on time, pressure drop, or manual selection), a spring-loaded washdish is constantly scraped back and forth to remove the deposited solids. When the detritus is separated from the gap of the filter core, the washing pan sends the dirt to the bottom of the shell (6) and discharges the filter through the flow channel (7).



Product material and technical parameter

Filter body: CS/stainless steel/SS304/SS316L resistant to acid and alkali corrosion, SS316L better performance

Screen: stainless steel SS304/SS316L

Drive shaft seal: PTFE polytetrafluoroethylene, suitable for all kinds of solvents and acid-base liquids, the highest temperature of 230 °

Seal ring: NBR butadiene rubber, suitable for most of the neutral and oil liquid, the highest use temperature 120 °C

Viton fluoro rubber: resistant to acid-base liquids and most caoji, with a maximum temperature of 230 °C

Scraper: SF type is super wear-resistant synthetic material, SS type is wear-resistant stainless steel scraper

Tripod: stainless steel SS304



Choice of driving mode

Pneumatic-washdish can be driven by air pressure (60-80 PSI@5CFM). The main feature of the S-01 and S-02 filters is that they can be driven by either single or double cylinders. The smaller S-01 has only one cylinder.



EWF series full automatic suction backwash filter

Product description

The full-automatic suction backwash filter is an industrial automatic filter which can provide a variety of comprehensive uses to ensure the purity and reliability of the filtered liquid. The filter provides full-motion backwash operation, and constantly separate impurities from water and other liquids. Filter maintenance and operation are very simple, even in poor operating conditions can continue to maintain good operation posture.

Fully automatic suction backwash filters can be installed in each filter with a different number of filter elements to provide the maximum filter area. This allows the filter to be used with the least possible loss of pressure.

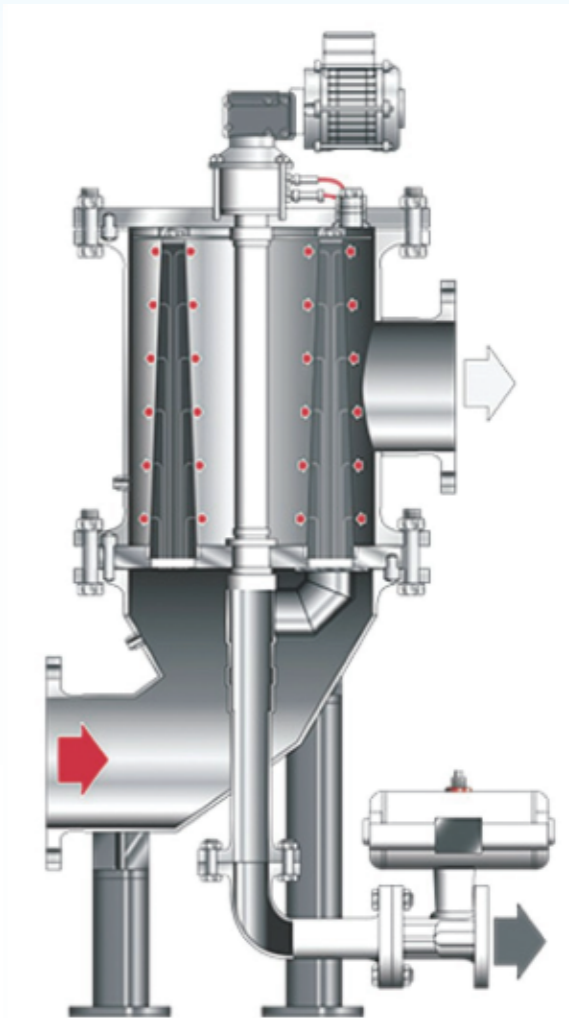
The pressure design of the main body of the filter is usually based on standard designs for chemical piping filters and steel pressure vessels. Filters can also be adapted to the special requirements of other design standards. The main part of the equipment has carbon steel, stainless steel, dual-phase steel and other materials. At the same time we can also provide you with special materials such as titanium, pure nickel and so on.



Product material and technical parameter

The sewage to be filtered enters the shell from the lower part of the filter, enters the inner cavity of the filter core from the bottom to the top through the flower plate, and then flows out through the filter core. The filtered water flows out from the outlet of the upper part of the filter, the solid impurities are trapped in the inner side of the filter core, and when backflushing is carried out, the inflow flow need not be cut off. The motor drives the suction cup of the filter element to rotate, and at the same time opens the recoil drain valve. Each filter element in turn through the filtered water for backwashing.

Because of the pressure difference between the water pressure and the air pressure in the filter, the filtrate can flow in the opposite direction to remove the impurities on the inner wall of the filter element. After one rotation of the suction cup, the recoil is over. Then the recoil valve closes and the drive motor stops.



ESF series suck-type scanning self-cleaning filter

Product description

The series of suck-type scanning self-cleaning filters have higher filtering precision, less loss of cleaning water, and can provide the safest protection for industrial systems.

Product characteristics

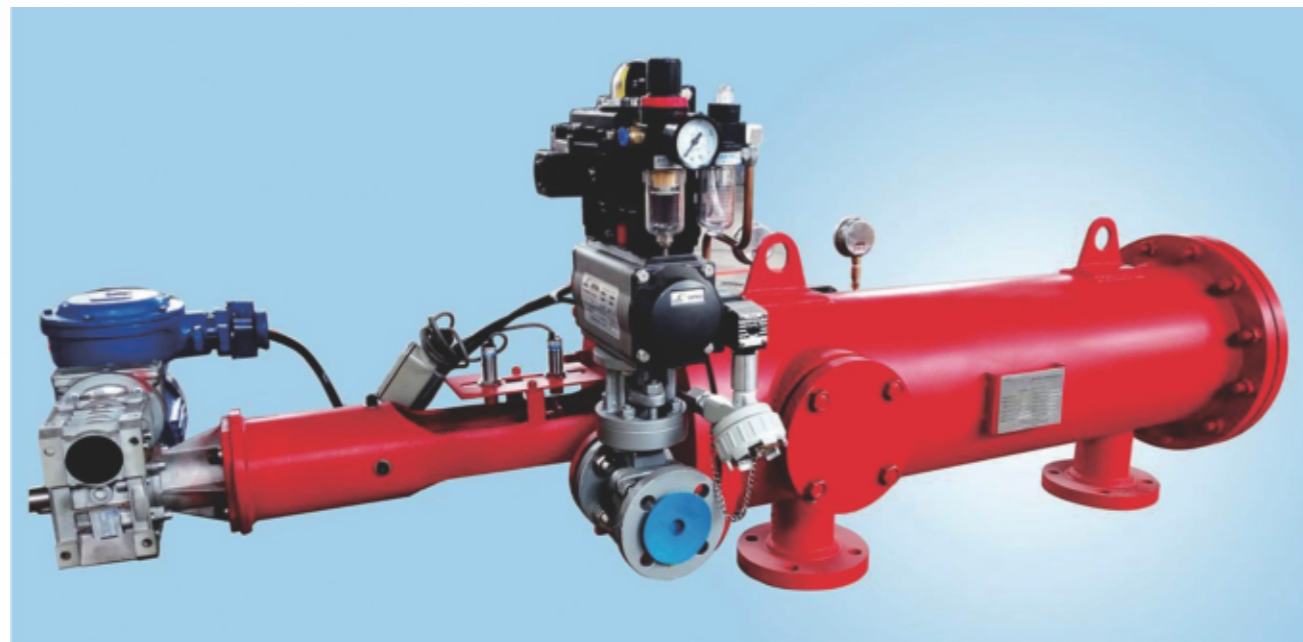
With a unique multi-layer all-stainless steel filter with up to 10 micron accuracy, the design team developed one of the most effective methods, the strength of the material and the cleaning efficiency of the filtering capacity are effectively combined to achieve a more efficient filtering result through a combination of selected mesh weaving methods and structural patterns. This sophisticated filter ensures that the cake is quickly and thoroughly removed. The suck-scan technique consumes less than 1% of the total water. Is the lowest discharge rate of all self-cleaning modes (this rate is adjusted for specific applications).

Working principle

When the pressure difference between inside and outside of the filter reaches the preset value or when the timing cleaning switch reaches the preset time, the system starts the self-cleaning process. The cleaning process is accomplished by a suction scanner, which performs a spiral scanning motion to suck impurities from the inner surface of the filter and discharge them through a drain valve, the scanner is driven by a bi-directional electric motor through a screw rod. The opening of the drainage network is controlled by a two-bit three-way electromagnetic network. The whole drainage process lasts about 35 seconds and the system is continuously flowing.

working process

Water enters the filter from the inlet and passes through the coarse screen from the outside to the inside, and then flows out from the inside of the fine screen. Impurities are intercepted by the fine screen and a certain pressure loss is formed, the fine filter screen is designed to protect the cleaning structure from damage by large particles and does not act as a filter.



Filter performance

Uninterrupted water supply: the amount of water during cleaning is very small, which is 1% of the water output of the filter. The flushing time is 15 ~ 60 seconds, and the whole system provides uninterrupted water supply.

High filtering precision: the filtering precision can reach up to 20 microns, and there are various precision filters for you to choose from.

Large filtering area: the effective filtering area of the standard filter screen is 7 ~ 40 times of the inlet area.

Product material

Filter housing: carbon steel 20#, epoxy coated, 316

End cap: SMC polyester

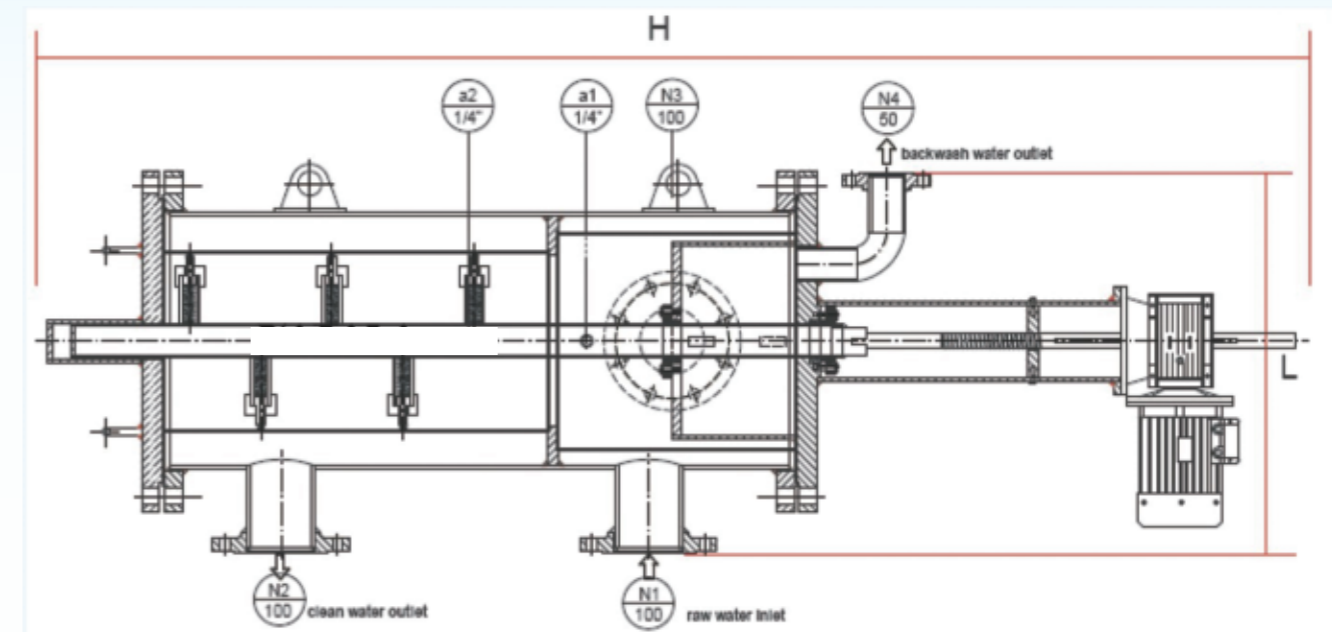
Filter screen: braided stainless steel 31 6L steel wire, stainless steel 316L

Cleaning mechanism (internal): stainless steel 316L, POM

Blowdown valve: cast iron, epoxy coating, natural rubber

Sealing ring: synthetic rubber, PTFE

Structural diagram



Product model and technical parameters

Model and specification	flow	accuracy	Filtration area (cm ²)	H (mm)	L (mm)
ESF-50	80	100	1500	1800	430
ESF-80	150	100	3000	2050	430
ESF-100	250	100	4500	2350	525
ESF-150	400	100	6000	2100	595

ESF series fully automatic backwash filter

Product description

The fully automatic backwash filter is improved from the precision filter, which has the advantage of high precision filter and the function of automatic regeneration and cleaning of high precision filter element.

The automatic backwash filter is similar to the precision filter in shape and structure, but the high-precision filter core is installed in the form of lifting to facilitate the removal of impurities on the filter element.

Automatic backwash filter, equipped with differential pressure sensor, automatic valve, PLC, can automatically filter and backwash switch, and complete the backwash cleaning process, to achieve unattended, fully automatic operation function.

Fully automatic backwash series products can be widely used in working conditions with high filtering precision and high impurity content, which can save the cost and time of frequently changing consumables, improve production efficiency and reduce loss, operate high enterprise output without changing the process.



Product characteristics

- ◎The structure is compact and reasonable, and the filtering area per unit volume equipment is large
- ◎Filtration efficiency over 99.9%
- ◎Filter precision is high, up to 0.22 um
- ◎Diversified structure design, can adapt to a variety of requirements
- ◎Blasting back blowing, big impact force, back blowing effect is good
- ◎Filter element high strength, can withstand 0.7 mpa differential pressure
- ◎PLC control, safe and reliable
- ◎Applicable to a wide range of gas and liquid filtration

Product characteristics

- ◎Vertical structure, small footprint, easy installation
- ◎Can be equipped with differential pressure instrument, automatic valve, PLC control system to achieve automatic liquid discharge.
- ◎Multiple devices are connected in parallel to realize uninterrupted backwash
- ◎A variety of filter element optional, applicable to a variety of operating conditions
- ◎Long life of filter element
- ◎Use back wash liquid and compressed gas combination back blow, can clean the impurity which is not easy to fall off.
- ◎Larger equipment, more filter element, filter element can be divided into groups isolated back blowing, to ensure clean effect.
- ◎The filter shell is designed, manufactured and inspected according to the pressure vessel, and inspected by the special inspection institute, and the quality is guaranteed.

working principle

Backwash filter is a precision filter which can regenerate and clean the filter element without disassembly.

Filtration process: when the liquid enters the equipment from the inlet of the filter, it is filled with the inner cylinder of the filter, and the water is filtered from the outer side of the filter element to the inner side under the action of the pressure, and the impurity particles are intercepted at the outer side of the filter element. After filtering for a period of time, the impurity thickness on the outside surface of the filter element gradually increases, the effective filtering area gradually decreases, the pressure difference between inside and outside the filter element gradually increases, and the flux of the filter gradually decreases, when a certain value is reached, the filter needs to be backblown and regenerated.

Regeneration process: when the differential pressure reaches the set value, the filter can be manually or through PLC to start the reverse blowing, regeneration process. First, close the filter inlet and outlet, open the back blow, start charging, when the pressure reaches a certain value, open the drain valve, for flushing.

This process is repeated several times until the regeneration process is complete. Close the drain valve, open the inlet and outlet valves, and resume the filtration process.



Product material and technical parameter

Shell material: CS, 304,316L, CS + anti-corrosion coating

Filter element quantity: design on demand

Filter material: 304.316L, PE, titanium, PTFE

Filter element form: Sintered screen, Powder Sintering, wedge wire screen

Filter element accuracy (um) : 0.22-100

Working Pressure (MPa) :-0.1-10 separation efficiency: 99.9%

Design standard: GB/T150-2011

Note: Group back blowing can be designed

Field of application

- ◎Fine filtration of clean water for medicine and food industries
- ◎Fine filtration of finished products in chemical industry
- ◎Recovery of catalyst and fine filtration of finished product in refining and chemical industry
- ◎Recycling grinding fluid, precious metal processing wastewater, etc
- ◎Precision filtration of gas
- ◎Ultra-fine dust filtration recovery



ESF series candle filter

Product description

Candle filter is a complete solid-liquid separation equipment, Use a quincunx -form skeleton and cover with press cloth, after filtering to a certain pressure difference, after emptying the liquid, back-blowing to remove filter cake, quincunx -form skeleton and press cloth can be reused. The filter has the prominent characteristics of wide application, airtight operation, large filtering area, strong receiving capacity, easy removal of filter cake and automatic operation.

The candle filter has five functions of high precision filtration, direct or pre-coating filtration, slurry concentration, cake recovery and cake washing, it can be used for high impurity content, viscous liquid, high precision, high temperature and other special filtering occasions. If used as pre-coating filter, filter aids can be selected, there are activated carbon, diatomite, cellulose, perlite and so on.

The filtering system can be controlled by PLC, and can automatically carry out such procedures as pre-coating, filtering, slag discharge, cleaning and so on. Multiple filters can be integrated into one large filtration system.



Field of application

Biomedical industry: fermentation broth extract, antibiotics, streptomycin, citric acid

Chemical industry: Amine Solution, Catalyst Recycling and recovery, sulfuric acid, polyol, titanium dioxide, PTA particles, polyglycol, potassium carbonate, epoxy, chlor-alkali industrial brine fine filtration

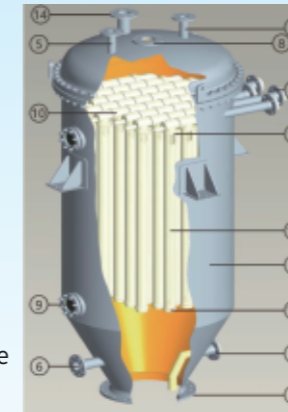
Food and drink: apple juice, grape juice, raw syrup, fructose syrup, glucose syrup, cane sugar, beer, olive oil, palm oil, soybean oil, corn oil, gelatin

Metal processing: cleaning agent, coal tar, machine plus cooling oil, metal foil rolling oil, plating solution



Structural sketch

- 1.Filter shell
- 2.Liquid residue reflux inlet
- 3.Purified liquid outlet
- 4.Drain
- 5.Vent
- 6.Material inlet
- 7.Pressure gauge
- 8.Clean Interface (optional)
- 9.Viewing Mirror (optional)
- 10.manifold
- 11.quincunx -form support pipe
- 12.Filter cloth
- 13.Clamp
- 14.Blow into the mouth



Product material and technical parameter

Shell material: CS, 304,316L, CS spray F40

Filter area (m²) : 0.9 ~ 60

Skeleton material: 304.316L, FRPP

Press cloth material: PP, PTFE

Filter element accuracy (um) : 0.5 ~ 25

Working Pressure (MPa) :-0.1 ~ 2.5

Operating temperature °C C-RRB- : 0-200

Back blowing pressure (MPa) : 0.3 ~ 0.6

Backwash medium: compressed gas

Separation Efficiency: 99.9%

Design standards GB/T150-2011, HG/T21637-1991

Brief introduction of Riser

The quincunx -form skeleton of the candle filter is composed of a middle liquid-rising pipe and a peripheral perforated pipe. The function of the liquid-rising pipe is to speed up the residual liquid in the filter as much as possible, reduce the residual liquid amount and improve the filtration separation efficiency.

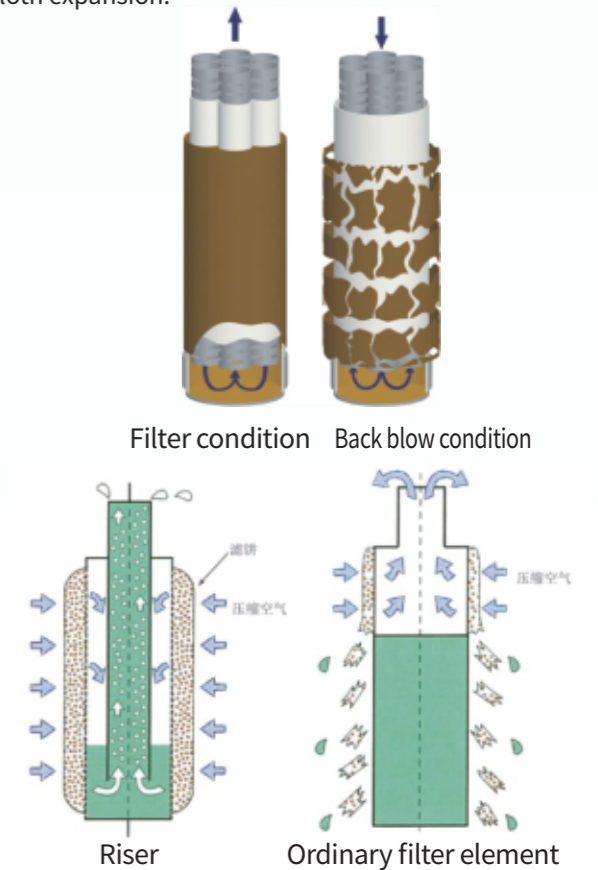
Extract tube is similar to straw in that a liquid above the level to which the tube is in contact can be drawn. Ordinary filter material has no extract tube ,When the liquid level drops to a certain degree, the compressed gas is short-circuited, The gas area and pressure in the filter element are higher than that of the filtrated liquid, and the function of filtering the residual liquid is no longer available, and the cake layer at the bottom is attached because there is no pressure, will disperse and fall off as the filter element liquid returns.

Brief introduction of quincunx -form skeleton

The quincunx -form skeleton of the candle filter is composed of six perforated tubes and a rising liquid tube in the center, and the interface is quincunx -form.

When filtering, Press cloth under the action of liquid flow and pressure, close to the skeleton, when filtering to a certain extent, press cloth inside and outside differential pressure reached a set value, need to blow back.

When the press cloth is backward swept by compressed gas, because there is a large differential pressure between inside and outside of the press cloth, the back-blown gas is intercepted by the filter cake of the press cloth, thus the pressure rises. When the tension exerted by the pressure on the press cloth is greater than the strength of the filter cake structure, the press cloth will be inflated by compressed gas, and the cake layer attached to the press cloth will be broken and fall off during the process of the press cloth expansion.

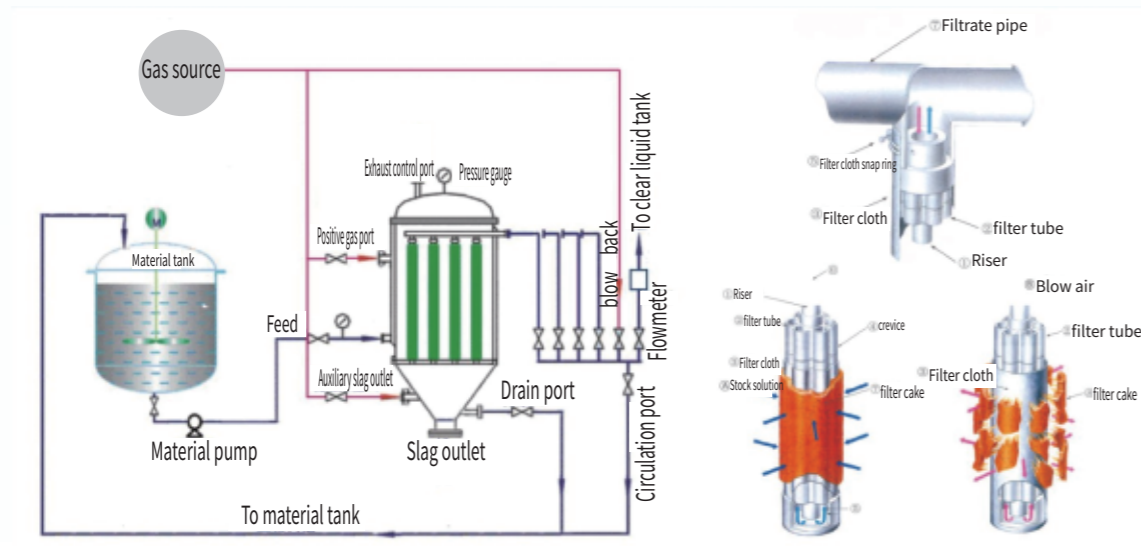


Working principle

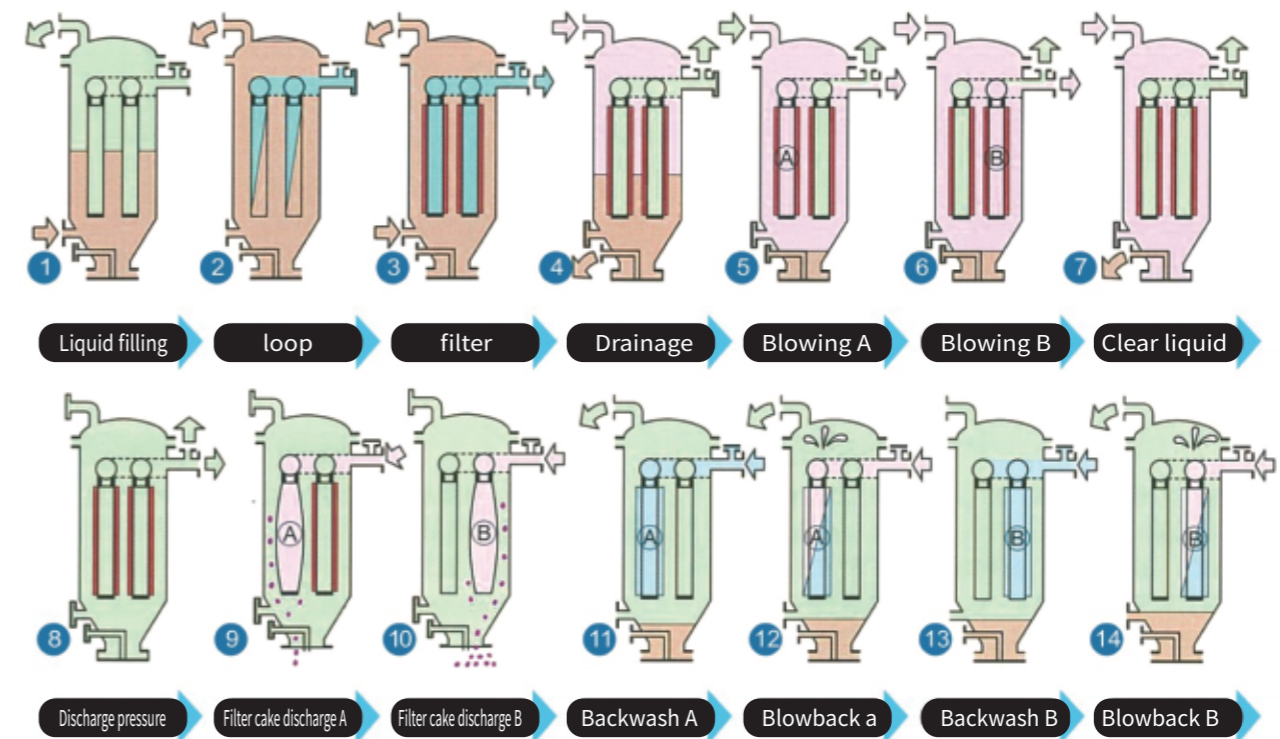
Cake layer forming process: the material enters the filter from the inlet to the inside of the filter, after exhausting the gas in the device, the material is filtered from the filter cloth to the inside, coarse particles are intercepted by the filter cloth, and the liquid through the filter cloth flows from the collecting pipe, switch the valve to return the filtrate to the front tank, and so on for a period of time, so that the filter cloth surface to form a cake layer. Because the filter cloth is a surface layer, it can not filter the particles lower than the filter precision. After the coarse particles form the filter cake layer, the filter passage built by the particles in the filter cake is very fine and reaches the design precision requirement. This filtration is a deep filtration. If the particles in the filter material are ultra-fine particles, the use of filter cloth can not form an effective cake layer, it is necessary to add filter aids, form a cake layer, then fine filtration.

Filtration process: when the cake forming process has reached a certain degree, when the liquid clarification in the sight mirror of the collecting pipe outlet is observed to meet the requirements, open the clear liquid outlet valve, close the backflow valve, and start the filtration process. With the increase of filter cake thickness, the channel is filled with fine particles, the effective flow area is reduced and the pressure difference is increased. When the pressure difference increases to the set value, it is necessary to carry out the regeneration process of back blowing and slag discharge.

Regeneration process: when the differential pressure reaches the set value, the filter can be manually or through PLC to start the reverse blowing, regeneration process. First, close the inlet valve of the filter, open the forward blowing valve, make the residual liquid in the filter pass through the ascending pipe, when the outlet has no liquid discharge, open the return valve of the residual liquid, close the clear liquid outlet valve, and press the residual liquid back to the front tank. To dry the cake, you can open the clear liquid outlet valve, with high-temperature gas blowing. Close the front blowing valve, open the discharge valve, open the back blowing valve, open the manifold branch valve in turn, the compressed gas will filter cloth blowing open, the filter cake support broken off, back blowing closed, then open the back blowing, repeat three times, back blowing to the next group. After all the branch pipes are blown back, the back blowing process is finished.



Product material and technical parameter



Five functions

Direct filtration

Candle filters use filter cloth, nominal precision up to 0.5 micron, when the fluid particles greater than the precision, can be directly fine filtration. When the coarse particles form a cake, the finer particles can be removed by filtration.

Precoat filtration

When most of the particles in the fluid are very fine particles, the effective cake can not be formed in a short time. At this point it is necessary to add diatomite, perlite and other filter aids, auxiliary form filter cake, and then fine filtration. The filter aid can be quantitatively added into the fluid pipeline by setting up a pre-coating tank, or directly poured into the material storage tank and mixed fully with the material into the filter.

Filter cake recycling

The quincunx -form skeleton of the candle filter and the filtering structure of the filter cloth can be attached to the cake layer with larger thickness, and the structure of the liquid lifting pipe can drain off the residual liquid in the filter core to avoid the return of the liquid leading to the premature shedding of the cake. After the residual liquid in the container is drained, a relatively dry filter cake is produced, which is easy to recycle.

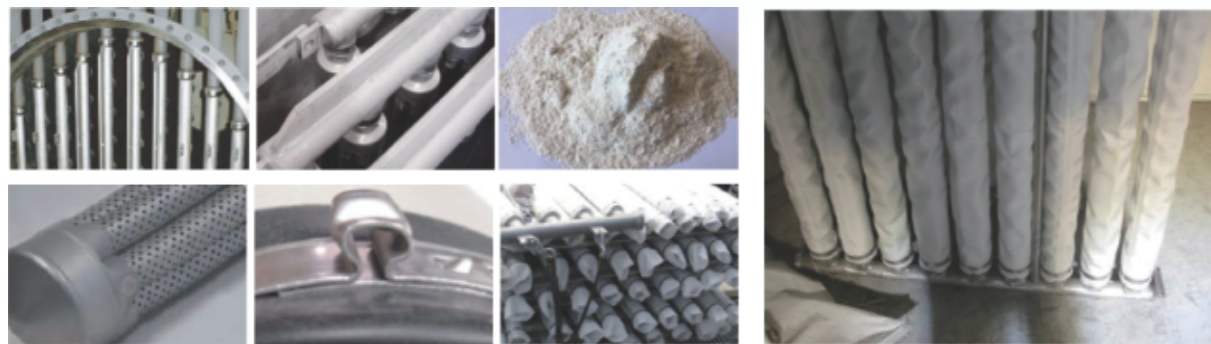
Slurry concentration

The candle filter can back-blow the filter cloth periodically without discharging the particles, remove the cake and continue filtering, continuously increasing the concentration of the particles in the filter, after reaching a certain concentration, the concentrated material can be discharged.

Filter cake washing

When the process needs to wash the filter cake, the closed space in the filter can be used to wash the filter cake. There are two ways to wash: 1, from the Feed Inlet into the washing liquid, not exhaust, directly from the filter outlet discharge, The filter cake can be kept under pressure. 2. The device is equipped with a spray atomizer, the washing liquid is sprayed out of the spray atomizer in the form of mist, and passes through the filter element from the outside to the inside under the action of the air pressure of the blowing mouth. The atomized washing liquid is evenly distributed on the surface of the filter cake and is captured by the filter cake, after coalescence, the cake is washed, and the washed liquid is blown into a rising liquid pipe by air pressure to discharge.

Inside the equipment collecting pipe filter aid



quincunx -form skeleton

filter cloth fixed clamp

filter cloth installation effect

Product characteristics

- ◎Module complete supply, reduce site construction
- ◎Can be equipped with differential pressure instrument, automatic valve, PLC control system to achieve automatic control and DCS remote control.
- ◎Parallel connection of multiple devices to achieve continuous flow filtration, drain slag
- ◎A variety of filter cloth optional, suitable for various operating conditions
- ◎Long life of filter element
- ◎Optional drying and spray washing functions
- ◎Optional sanitary polishing to meet medical and food requirements
- ◎Optional internal spray F40, internal collecting pipe and skeleton using FRPP material, to meet the corrosive working conditions.
- ◎Filter shell can be pressure vessel design, manufacture and inspection, and by the Special Inspection Institute supervision, Quality Assurance.
- ◎Direct filter or precoating filter can be selected according to particle size
- ◎PLC automatic control, automatic pre-coating, filtering, back blowing, slugging and other functions
- ◎Qualified for high precision, high solid content (up to 5%) , high viscosity working conditions
- ◎Multi-level filtration precision up to 0.2 micron
- ◎Filter element grouping design, reduce the air consumption each time, and can isolate the damaged filter element
- ◎Filter element spacing adjustable design to adapt to different cake thickness requirements
- ◎Sealed filtration, pollution control, adapt to strong corrosion, volatile or dangerous liquid
- ◎Provides a drying design for the recovery of drier filter cake
- ◎Provide tailings filtration and reflux design, no material loss
- ◎Main body is static parts, dynamic back blowing, low failure rate, low operation cost

EBF series bag filter

Product description

BAG filter has been widely used in industry and has formed a standard. According to the standard single-bag filter and multi-bag filter system to meet the requirements of different applications, can provide 1-40 filter bags to choose from, diversified and advanced filter design, precision filter bags, automatic combination, to provide you with the most optimized solution.

Product material

◎BAG filter shell material can be selected:

High quality stainless steel SS304

◎High quality stainless steel SS316L, 2205,2507.904L

◎Carbon steel, 16MnR

◎Hastelloy C276

◎Lined PO, lined teflon, sprayed teflon, sprayed PFA

◎Filter can refer to steel pressure vessel GB150, ASME"u design, manufacture, acceptance."

Product characteristics

◎Standardization: standardized single-bag filter, all parts are standardized models, can achieve mass production.

◎Filter bag sealing structure: unique sealing ring structure, when the pressure increases, the ring sealing function is better. No matter how the pressure difference, temperature and micron grade change, make sure there is no side leakage.

◎Quick-opening structure: easy to operate, high-efficiency bag filter, suitable for high flow applications and frequent bag replacement process, most suitable for batch production process and safety filtration.

◎Filter bag: multi-performance filter element for selection: no silicone oil thorn blanket, solid welding structure of the filter material will not shed hair scattered.

◎The most reasonable fluid structure: the bottom-in and bottom-out design ensures that the liquid can be completely discharged, while the tangent exit is used as an option.



Filter and bag type

BAG filter	
Fast switching bag filter	Standard PP, PE bag
Multi-bag filter	Absolute accuracy filter bag
Top-in-type bag filter	High tolerance fouling folding non-woven filter bag
Standard bag filter	oil removal filter bag
Sanitary-grade bag filter	food grade filter bag
High temperature and high pressure bag filter	pressure bag filter Activated carbon filter bag
Special material bag filter	Teflon, polyester filter bag
Series bag filter	Monofilament nylon filter bag

Side entry single bag filter series

Product description

Side entry single bag filter is the most commonly used filter equipment, all parts are standard models, filter production line can be produced according to the pressure vessel GB150 standard production. Side entry single bag filter is fixed by standard lug bolts and connected with standard DN50 and DN80 flanges. 4 conventional size filter bags 1,2,3,4.

Technical parameter

Filter frame material: 2205,2507,904L, titanium, Hastelloy alloy, lined with tetrafluoro, spray tetrafluoro

Sealing ring material: nitrile rubber (FDA certification), butyl sodium rubber (FDA certification), EPDM rubber, fluororubber, Teflon coated fluororubber

Filter bag count: 1-24(non-standard design required for larger size)

BAG type: Single Bag Filter: 1 #, 2 #, 3 #, 4 #

Multi bag filters: 1 #, 2 #

Maximum operating pressure: 1.0 mpa (150 psi)(10.34 bar)

Design temperature range (design temperature not considering filter bag): carbon steel:-6-250 °C stainless steel:-28-298 °C

Non-contact parts with filter media: carbon steel filter: carbon steel

Stainless steel filter: stainless steel

Inlet and outlet connections: NPT or flanges

Surface treatment: Carbon Steel: external surface painting

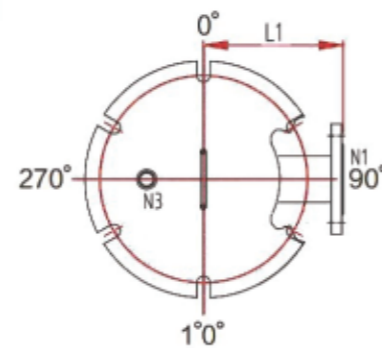
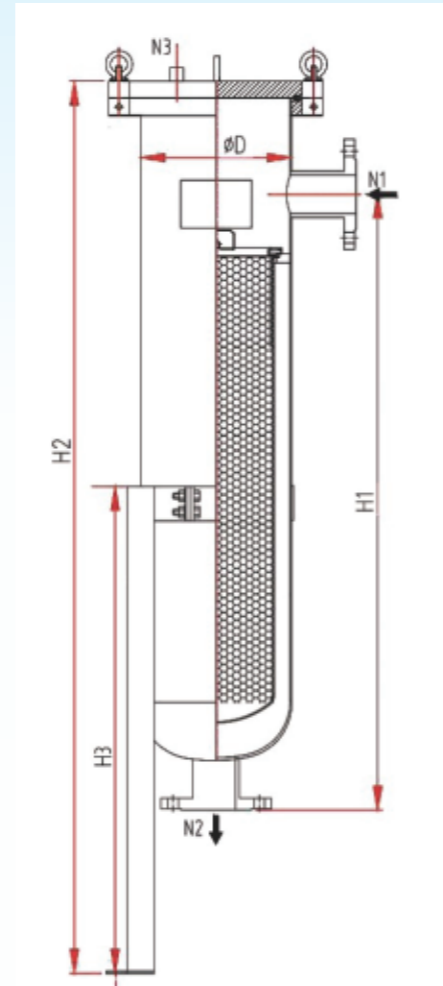
Stainless steel: sand blasting (standard), pickling, polishing

Seal of the certification (only 1 #, 2 # filter bags): GB150“C” SASME

“U” or “UM” stamp

Filter Bag Seal: manual, no manual compression (standard)

Open Way: Quick-open Bolt



Product characteristics

Reference HG21637-91, GB150-2011 design, manufacture, acceptance

Flange standard: HG, GB, SH, HGJ, JB, ANSI, JIS

Interface form: thread, clamp, flange

Caliber specification: 1 ~ 3"

Drain specification: 1/4"

Filter bag type: 1 #, 2 #, 3 #, 4 #

Filtering accuracy: 0.5 um-800 um

Design Pressure: 10 mpa

Design Temperature: 90 °C (using PP filter bag), 130 °C (using PE filter bag), 240 °C (using Teflon filter bag)

Surface treatment: glass bead sandblasting (standard); polishing; sanitary grade polishing material

Shell material: 20 #, 304,316L, 2205,2507, titanium, lining

Sealing gasket: silicone rubber, nitrile rubber, teflon rubber

Filter bag material: polyester, polypropylene, nylon, polytetrafluoroethylene, fiberglass



Model No	Filter bag no	Flow rate M ³ /H	Shell height (MM)	Total height (MM)	Filter diameter (MM)	Filter bag diameter (MM)	inlet and outlet
EBF -11-1	1	20	500	720	219	170	1 "-4"
EBF -11-2	2	40	700	1070	219	170	1 "-4"
EBF -11-3	3	6	350	430	114	97	3/4 "-2"
EBF -11-4	4	12	500	580	114	97	3/4 "-2"

Top entry single-bag filter series

Product description

Suitable for all stringent filtering requirements, advanced design to ensure excellent filtering effect, suitable for stringent application requirements, excellent filtering performance, high reliability and operational convenience perfect unity. Top entry single-bag filter side inlet, liquid from the top into the filter design, The unfiltered liquid in the filter is reduced to a minimum. It is very convenient to change the filter bag and provides excellent sealing.

Technical parameter

Filter frame material: 2205,2507,904L, titanium, Hastelloy alloy, lined with tetrafluoro, spray tetrafluoro

Sealing ring material: nitrile rubber (FDA certification) , butyl sodium rubber (FDA certification) , EPDM rubber, fluororubber, Teflon coated fluororubber

Filter bag count: 1-24(non-standard design required for larger size)

BAG type: Single Bag Filter: 1 # , 2 # , 3 # , 4 #

Multi-bag filters: 1 # , 2 #

Maximum operating pressure: 1.0 mpa (150 psi)(10.34 bar)

Design temperature range (design temperature not considering filter bag) : carbon steel:-6-250 °C stainless steel:-28-298 °C

Non-contact parts with filter media: carbon steel filter: carbon steel

Stainless steel filter: stainless steel

Inlet and outlet connections: NPT or flanges

Surface treatment: Carbon Steel: external surface painting

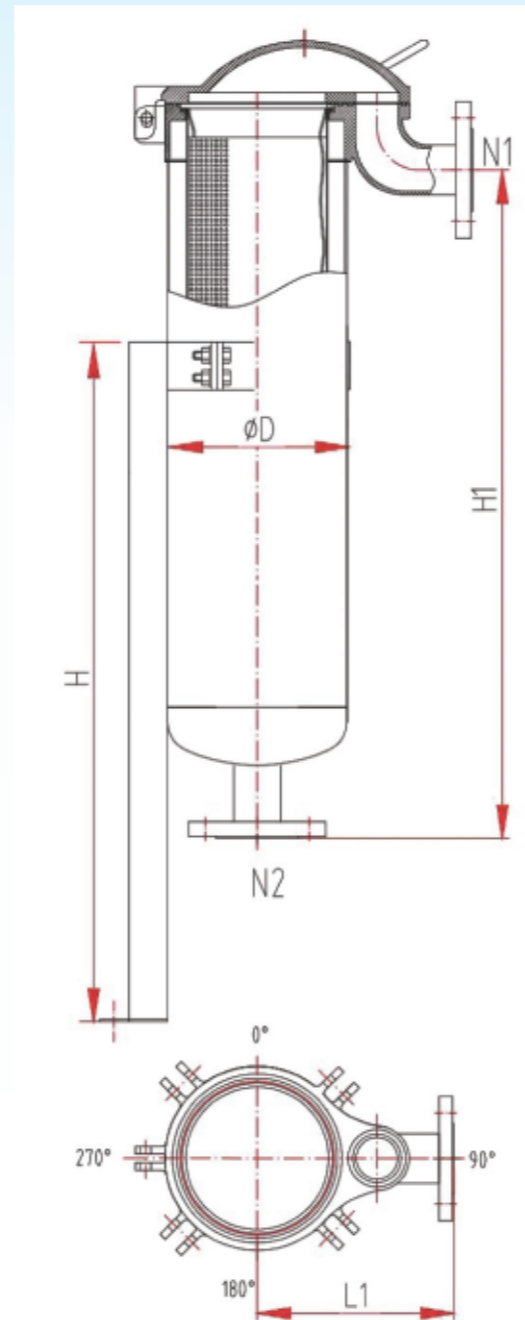
Stainless steel: sand blasting (standard) , pickling, polishing

Seal of the certification (only 1 # , 2 # filter bags) : GB150“C”SASME

“U” or “UM” stamp

Filter Bag Seal: manual, no manual compression (standard)

Open Way: Quick-open Bolt



Push in single bag

Product characteristics

- ⊙ Access through the top and top cover structure
- ⊙ Make it easy and quick to change the filter bag
- ⊙ Full pressure seal on top cover
- ⊙ Completely leak-proof seal
- ⊙ Rotating eye bolt
- ⊙ Easy to use and strong quick closing device
- ⊙ Point solution polishing perforated filter basket
- ⊙ Best filter bag support and easy to clean
- ⊙ Adjustable height scaffold

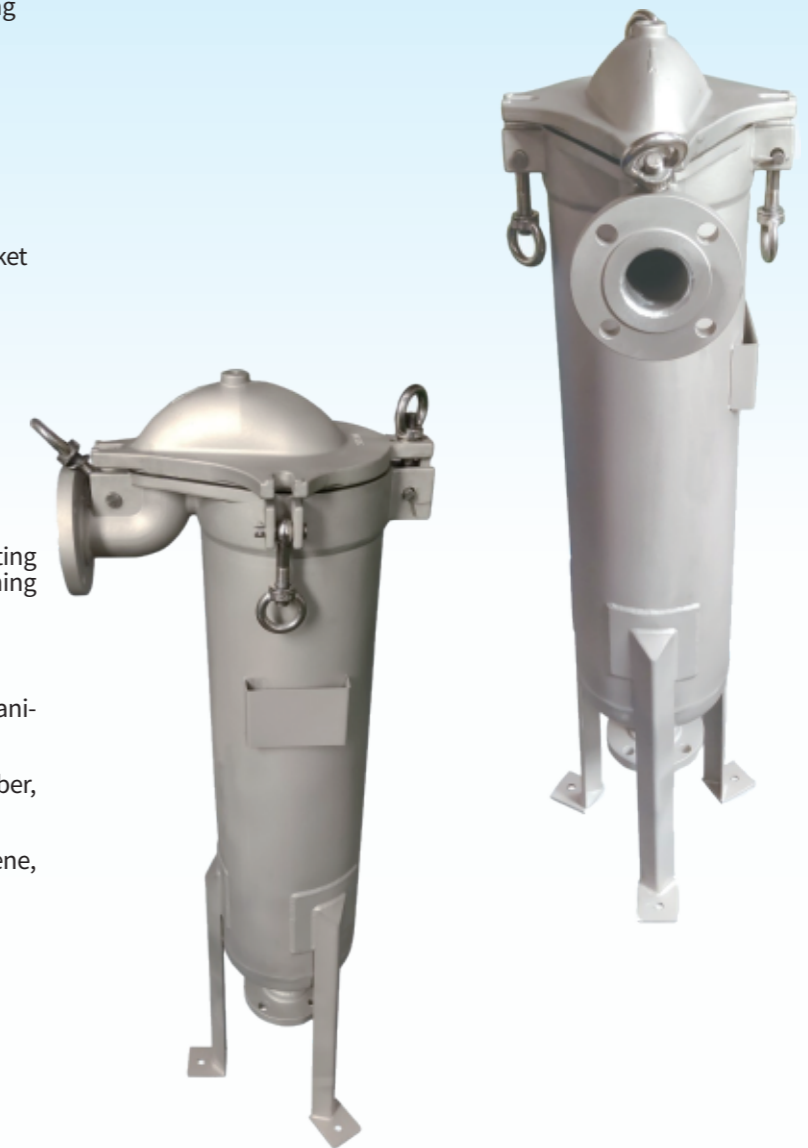
Surface treatment: glass bead sandblasting (standard) ; polishing; sanitary grade polishing material

Materials

Shell material: 20 # , 304,316L, 2205,2507, titanium, lining

Sealing gasket: silicone rubber, nitrile rubber, teflon rubber

Filter bag material: polyester, polypropylene, nylon, polytetrafluoroethylene, fiberglass



Product Characteristics

Model No	Filter bag no	Flow rate M ³ /H	Shell height (MM)	total height (MM)	filter diameter (MM)	filter bag diameter (MM)	inlet and outlet
EBF -11-1	1	20	500	720	219	170	1 "-4"
EBF -11-2	2	40	700	1070	219	170	1 "-4"

Quick opening bag filter series

Product description

Easy to operate, high efficiency bag filter, suitable for high flow applications and frequent bag replacement process, the most suitable for batch production process and safety filtration.

Product characteristics

- ◎ Quick switch structure is the simplest, most easy-to-use and safe operating system, minimizing downtime, promoting productivity and reducing operating costs
- ◎ Three point pressure ring ensures a good seal between the filter and the filter bag. The included tools make the operation very simple and easy
- ◎ The spring-assisted weight balance structure makes the top cover as light as nothing. It can be opened or lowered with a gentle push and pull of the hand
- ◎ High quality O-ring seal ensures easy and reliable operation
- ◎ The side-in and bottom-out design ensures that the liquid can be completely discharged, while the tangent outlet is available for choice
- ◎ The standard model is 2-24 bags (1 and 2 bags) with a maximum of 40 bags produced



Technical parameter

Filter frame material: 2205, 2507, 904L, titanium, hastelloy alloy, lined with tetrafluoro, spray tetrafluoro

Sealing ring material: nitrile rubber (FDA certification), butyl sodium rubber (FDA certification), EPDM rubber, fluororubber, Teflon coated fluororubber

Filter bag count: 1-24 (non-standard design required for larger size)

BAG type: Single Bag Filter: 1 #, 2 #, 3 #, 4 #

Multi-bag filters: 1 #, 2 #

Maximum operating pressure: 1.0 mpa (150 psi) (10.34 bar)

Design temperature range (design temperature not considering filter bag): carbon steel: -6-250 °C stainless steel: -28-298 °C

Non-contact parts with filter media: carbon steel filter: carbon steel

Stainless steel filter: stainless steel

Inlet and outlet connections: NPT or flanges

Surface treatment: Carbon Steel: external surface painting

Stainless steel: sand blasting (standard), pickling, polishing

Seal of the certification (only 1 #, 2 # filter bags): GB150 "C" SASME

"U" or "UM" stamp

Bag Seal: manual, no manual compression (standard)

Open mode: open fast

Field of application

- ◎ automotive
- ◎ electronics
- ◎ copper foil
- ◎ fine chemicals
- ◎ Food and medicine
- ◎ paper
- ◎ oil and Gas
- ◎ steel metallurgy

Product Characteristics

Model	FLOW (m ² /HF)	N1/N2	D	H1	H2	H3	B
EBF-F-1	160	4"	558	926	508	1727	400
EBF-F-2	200	5"	608	930	508	1727	425
EBF-F-3	240	6"	658	935	508	1727	450
EBF-F-4	320	8"	758	1016	482	2032	525
EBF-F-5	400	10"	958	1102	483	2266	600
EBF-F-6	480	10"	1008	1102	483	2266	625



Multi-bag filter series



Product characteristics

- ◎Single seamless seal ring minimizes fittings for easy cleaning and quick filter bag replacement.
- ◎Through the elbow upward feed way more in line with the fluid structure. Manufacture of GB and ASME standard.
- ◎Carbon steel and 304,316 stainless steel, dual-phase steel, Hastelloy alloy
- ◎Filter model size: 1 ~ 40 filter bags.
- ◎Select a suitable material seal ring according to the chemical resistance and temperature range.
- ◎The lifting device is easy to operate.
- ◎Quick-opening device for all multi-bag filters, can significantly reduce the replacement time and safer.
- ◎Can be customized according to customer requirements to meet your special requirements.
- ◎Filter bag support: electrically polished stainless steel perforated support filter basket.
- ◎Unique three-point type filter bag fixing mode ensures good sealing performance between the bag and the filter shell.
- ◎The side-in and bottom-out design ensures that the liquid can be completely discharged, while the tangent outlet is available for choice

Product description

Easy to operate, the most reasonable fluid structure, suitable for high-flow complex variable process. Suitable for 60 ~ 5000M/h flow, for a small number of filter bags, with hand wheel and standard bearing arm, easy to open and operate, for more than 12 bags of filter, you can choose air cylinder or drip pressure assist, it only takes one person to turn it on and off. The auxiliary device includes pressure relief valve, positioning pin and so on, which effectively ensures the safe operation of the equipment.

Technical parameter

Filter frame material: 2205,2507,904L, titanium, Hastelloy alloy, lined with tetrafluoro, spray tetrafluoro

Sealing ring material: nitrile rubber (FDA certification) , butyl sodium rubber (FDA certification) , EPDM rubber, fluororubber, Teflon coated fluororubber

Filter bag count: 1-24(non-standard design required for larger size)

BAG type: Single Bag Filter: 1 # , 2 # , 3 # , 4 #

Multi-bag filters: 1 # , 2 #

Maximum operating pressure: 1.0 mpa (150 psi)(10.34 bar)

Design temperature range (design temperature not considering filter bag) : carbon steel:-6-250 °C stainless steel:-28-298 °C

Non-contact parts with filter media: carbon steel filter: carbon steel

Stainless steel filter: stainless steel

Inlet and outlet connections: NPT or flanges

Surface treatment: Carbon Steel: external surface painting

Stainless steel: sand blasting (standard) , pickling, polishing

Seal of the certification (only 1 # , 2 # filter bags) : GB150“C” SASME

“U” or “UM” stamp

Filter Bag Seal: manual, no manual compression (standard)

Opening mode: hinge, hydraulic or hand wheel lifting device



Options and accessories

- ◎Top cover opening mode
- ◎Hydraulic lifting device -- swing bolt
- ◎Spring-leaf power lifting device —— swing bolt
- ◎Quick opening top cover
- ◎Design of CRN and CE Certification
- ◎Partial or complete clamp cover
- ◎Corrosion allowance
- ◎Lined wire mesh and heavy duty basket
- ◎Hastelloy C, Alloy20 # Nickel ferrochrome alloy, 2205 duplex steel (if other materials are required, consult)
- ◎Sanitary or quick connect connectors (consult if other materials are required)
- ◎Internal and external polishing to achieve sanitary structure
- ◎Sealing gasket: silicone rubber, nitrile rubber, teflon rubber
- ◎Filter bag material: polyester, polypropylene, nylon, polytetrafluoroethylene, fiberglass



EBF series basket filter

Product description

The basket filter uses a metal filter element with a precision of 50 microns to 8000 microns. It can be cleaned and reused, the use of low cost, not only can filter large particles of impurities, but also can protect key equipment such as pump, nozzle, heat exchanger, valve and so on, significantly extend its service life, improve operating efficiency, avoid high system shutdown risk. Basket filter can be installed composite screen basket or perforated screen basket, strong and durable, high reliability. Basket filter inlet and outlet dimensions 1"-48", standard pressure levels 0.6 and 1.0 mpa, higher pressure can be customized.

The basket filter is subdivided into 5 series: single basket structure, quick open top cover design, suitable for most occasions, providing flexible inlet and outlet pipe layout design; single basket structure, flanged seal, tighten the perforating bolts and nuts, suitable for high pressure occasions, compact structure, large filtering area, easy to replace cleaning basket, flexible inlet and outlet pipe layout design;

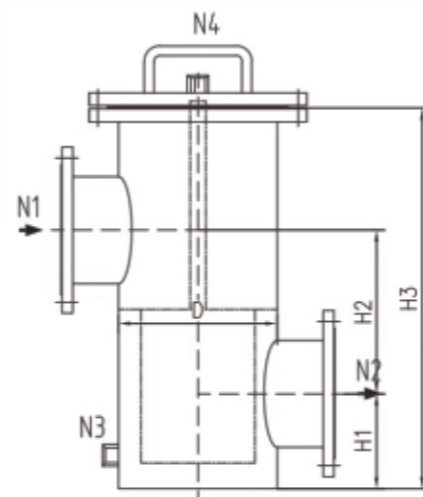
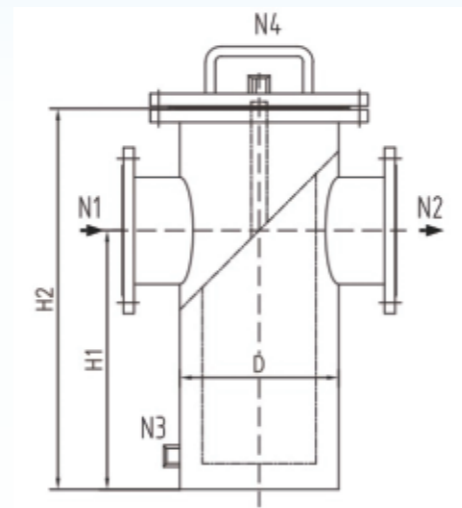
Multi-basket structure, flange type seal, tighten the perforating bolts and nuts, suitable for high pressure occasion: single basket structure, inlet and outlet are located in the same level central line, reduce bending pipe, easy to install.

Type selection reference

Type parameter	EBF-S2	EBF-S2	EBF-S3	EBF-S3	EBF-S4	EBF-S5	EBF-S6	EBF-S8	EBF-S9	EBF-S10	EBF-S12	EBF-S16	EBF-S18	EBF-S24
caliber	65	80	80	100	100	125	150	150	200	200	250	300	300	300
maximum selection	50	50	75	75	100	125	150	200	225	250	300	400	450	600
filtration coefficient D	0.9	0.9	1.35	1.35	1.8	2.25	2.7	3.6	4.05	4.5	5.4	7.2	8.1	9.0
H1	450	450	500	500	550	600	700	750	800	900	1000	1100	1200	1300
H2	250	250	250	250	300	300	350	350	350	350	350	350	350	350
H3	916	892	912	874	940	912	954	966	998	897	972	947	947	947
H4	1126	1119	1126	1117	1182	1182	1246	1261	1344	1245	1376	1403	1407	1407
L1/L2	1289	1282	1297	1288	1377	1384	1486	1504	1600	1626	1689	1741	1776	1801
vent	342/348	345/348	371/373	397/373	418/398	458/423	487/474	512/499	578/554	646/606	666/655	705/706	755/756	805/806
drain	G1/2" external thread (with ball valve)													
pressure gauge	G1/2" external thread (with ball valve)													
	G1/2" external thread (with ball valve, differential pressure gauge)													

Description: The above flow rate is the value produced when the working pressure is 0.7 mpa, the accuracy is μm, and the medium is water. Different pressure, different accuracy and different media, the flow rate is also different.





Technical parameter

Optional filter element: composite filter basket, perforated filter basket

Optional accuracy: 50 μ m-8000 μ m

Number of single filter elements: 1-24

Single Filter area: 0.05 cm²-33 cm²

Shell material: 304,316L, CS

Applicable viscosity: 1cp-30000cp

Design Pressure: 0.6 mpa, 1.0 mpa

Applicable Industries and fluids

Applicable Industry: fine chemical industry, water treatment system, paper making, automobile industry, petrochemical industry, mechanical processing, coating, etc. .

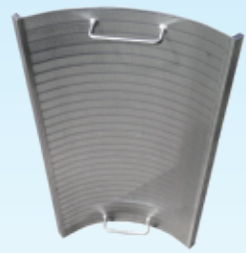
Applicable liquid type: very wide applicability, a variety of trace impurities in the liquid.

Main filtration function: remove the big particle, purify the fluid, protect the key equipment.

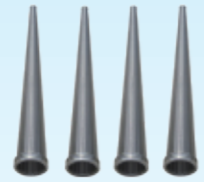
Filtration type: large particle filtration, using repeatable filter material, manual regular cleaning.



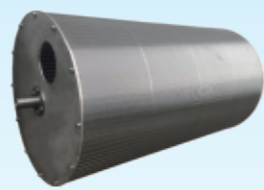
Filter element



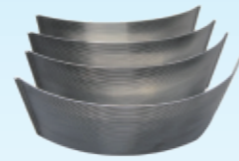
sieve bend screen



conical filter element



rotary drum screen



DSM screen



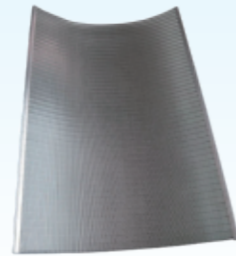
resin trapper



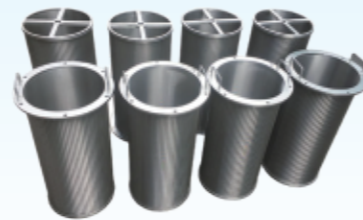
rotary drum screen



filter element



gravity curved screen



Scraper filter screen



Solid liquid separator screen



wedge wire screen



wedge wire screen



wedge wire filter element



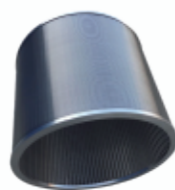
wedge wire plate



support grid



support grid



wedge wire screen



nozzle screen



distributor



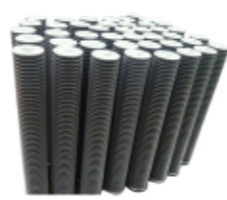
wedge wire screen



wedge wire screen



nozzle



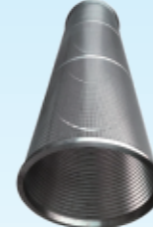
Bag filter screen



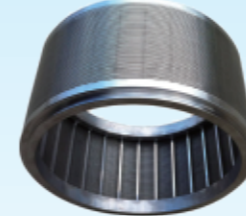
Distributor screen



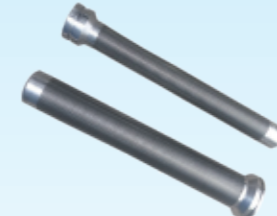
sintered mesh



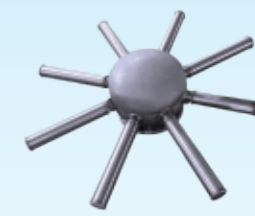
wedge wire cylinder



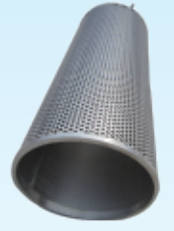
wedge wire screen



wedge wire screen



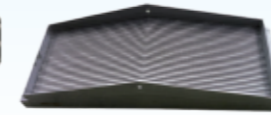
distributor



wedge wire screen



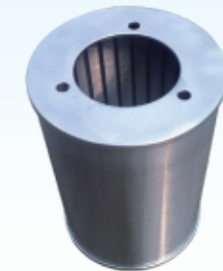
support grid



wedge wire screen



wedge wire pipe



wedge wire screen



2205 material wedge wire screen



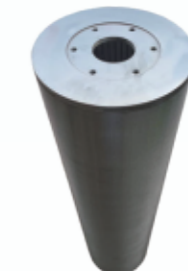
wedge wire cylinder



nozzle



wedge wire screen



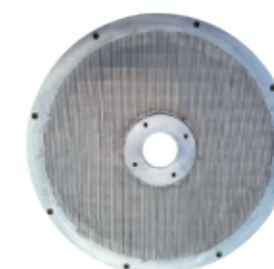
filter element



20 micron slot screen



filter element



round wedge wire plate



sieve bend screen



water inlet



Self cleaning filter screen