

Bag Filter Housing

❖ Description

Junyi bag filter housing is a kind of multi-purpose filter equipment with novel structure, small volume, simple and flexible operation, energy saving, high efficiency, closed work and strong applicability.

❖ Working principle

Inside the housing, the SS filter basket supports the filter bag, the liquid flows into the inlet, and flows out from the outlet, the impurities are intercepted in the filter bag, and the filter bags can be used again after cleaning.

❖ Various kinds of bag filters



Multi bag filter housing



Working Pressure Setting: Security filter $\leq 0.3\text{MPa}$ (Design Pressure 0.6MPa)

Conventional bag filters $\leq 0.6\text{MPa}$ (Design Pressure 1.0MPa)

High pressure bag filter $\leq 1.0\text{MPa}$ (Design Pressure 1.6MPa)

Temperature: $<60^{\circ}\text{C}$; $<100^{\circ}\text{C}$; $<150^{\circ}\text{C}$; $>200^{\circ}\text{C}$

Material: Carbon steel, SS304, SS316, PP

Flange standard: HG, ASME B16.5, BS4504, DIN, JIS

Material of filter bag: PP, PE, PTFE ,Nylon net, Steel wire mesh

Material of sealing ring: Butyronitrile, Silica gel, Fluororubber PTFE

2# Filter bag size: 7×32 inches

Inlet outlet position: Side in side out, side in bottom out, bottom in bottom out.

Surface treatment: Painting, Sandblasting, Mirror polishing.



❖ Application

Industrial manufacturing: Such as metal processing, chemical, pharmaceutical, plastics and other industries.

Food and beverage: Such as fruit juice, beer, dairy products and so on.

Wastewater treatment: Bag filters are used in wastewater treatment plants to remove suspended particles and solid particles and improve water quality.

Oil and gas: Oil and gas extraction, refining and gas processing.

Automotive industry: Spraying, baking and airflow purification, etc.

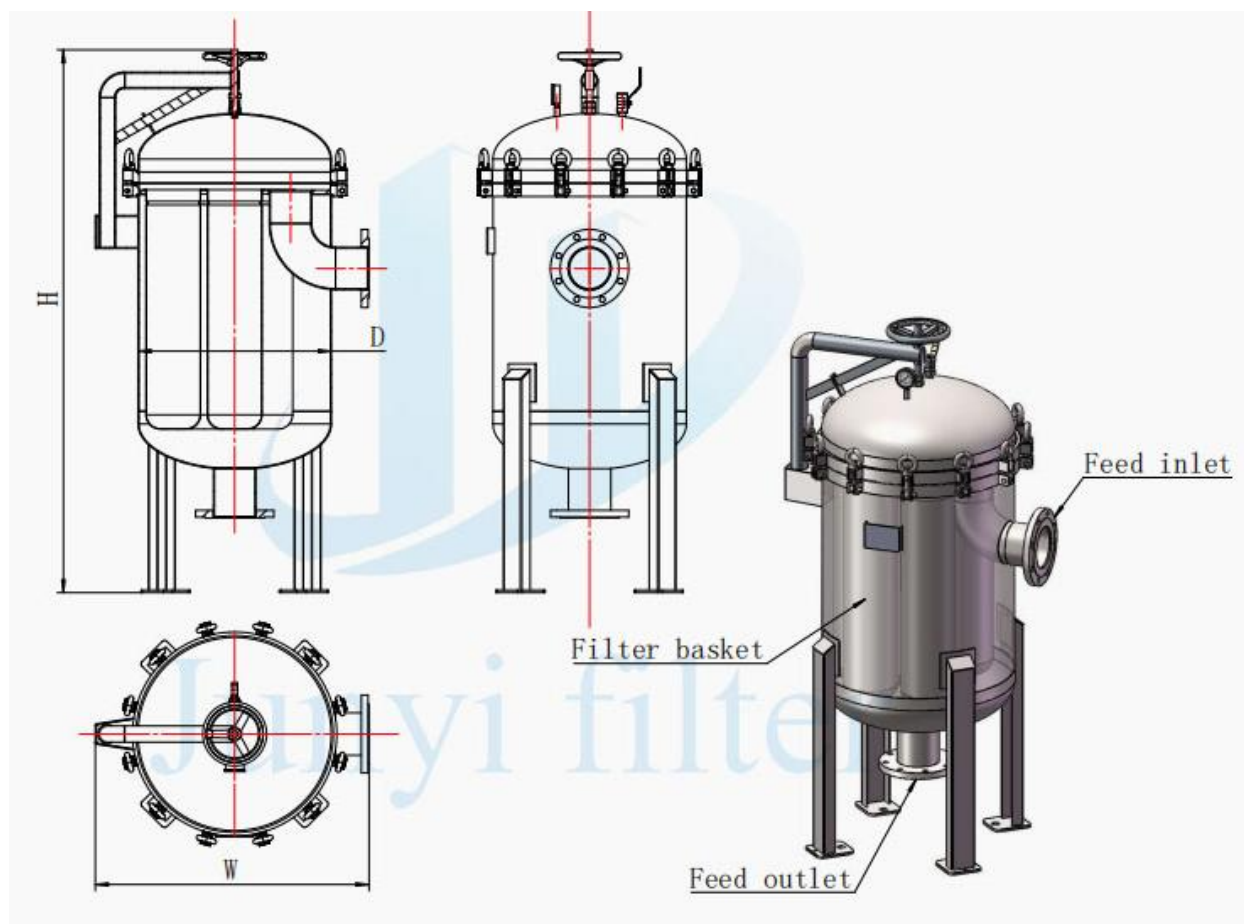
Wood processing: Filtration of dust and particles in wood processing to improve air quality.

Coal mining and ore processing: Dust control and environmental protection, etc.

◆ Product Features

- A. High filtration efficiency: Multi-bag filter can use multiple filter bags at the same time, effectively increasing the filtration area and improving the filtration efficiency.
- B. Large processing capacity: Multi-bag filter consists of multiple filter bags, which can process a large number of fluids at the same time.
- C. Flexible and adjustable: Multi-bag filters usually have an adjustable design, which allows you to choose to use different numbers of filter bags according to actual needs.
- D. Easy maintenance: The filter bags of multi-bag filters can be replaced or cleaned to maintain the performance and life of the filter.
- E. Customization: Multi-bag filters can be designed and customized according to specific application requirements. Filter bags of different materials, different pore sizes and filtration levels can be selected to suit different fluids and contaminants.

Drawing of multi bag filter housing for reference





Parameter of multi bag filter housing

Model Numbers		Filter area (m ²)	In/Out Calibre (mm)	Max. Flow Rate Viscosity (1 centipoise)	Cylinder diameter (mm)	Total height
JYMF-2P	Multi-Bag Filter P: Quantity of bags 2# filter bag	1.0	Dn65	80m ³ /h	450	1550
JYMF-3P		1.5	DN80	120m ³ /h	500	1600
JYMF-4P		2.0	DN100	160m ³ /h	550	1600
JYMF-5P		2.5	DN150	200m ³ /h	600	1650
JYMF-6P		3.0	DN200	240m ³ /h	650	1680
JYMF-7P		3.5	DN250	280m ³ /h	700	1680
JYMF-8P		4.0		320m ³ /h	750	1750
JYMF-9P		4.5		360m ³ /h	800	1770
JYMF-10P		5.0	DN300	400m ³ /h	850	1780
JYMF-12P		6.0		480m ³ /h	1000	1800
JYMF-16P		8.0		640m ³ /h	1200	1900
JYMF-18P		9.0	DN350-500	720m ³ /h	1200	2500
JYMF-20P		10.0	DN350-500	800m ³ /h	1300	2500
JYMF-22P		11.0		880m ³ /h	1600	2500
JYMF-24P		12.0		960m ³ /h	1600	2500
Working Pressure Setting						
Security filter≤0.3MPa (Design Pressure 0.6MPa)						
Conventional bag filters≤0.6MPa (Design Pressure 1.0MPa)						
High pressure bag filter≤1.0MPa (Design Pressure 1.6MPa)						
Sealing ring: butyronitrile, silica gel, fluororubber PTFE						
Equipment Material: SS304, SS316, SC, PP						
Temperature: <60℃ ; <100℃ ; <150℃ ; >200℃						
Flange standard: HG, ASME B16.5, BS4504, DIN, JIS						
Filter bag specifications: 7×32 inches						
Filter bag material: PP, PE, PTFE ,Nylon net, Steel wire mesh						

Note: We can customize filter housing according to user's requirements.

Single bag filter housing



Filter Bag



Supporting Basket



Parameter of single bag filter housing

Model Numbers		Filter area (m ²)	In/Out Calibre (mm)	Working Pressure Setting	Flow rate	Barrel diameter (mm)	Total height
JYSF-3#	Single Bag Filter	0.09	DN 25	Conventional bag filters≤0.6MPA (Design Pressure 1.0MPA)	5m ³ /h	219	1000
JYSF-4#		0.12	DN 25		8m ³ /h	159	800
JYSF-1#		0.25	DN 40		20m ³ /h	219	900
JYSF-2#		0.5	DN 50		40m ³ /h	219	1200
JYSF-9#		1	DN 65		80m ³ /h	300	13500
Working Pressure Setting Security filter≤0.3MPA (Design Pressure 0.6MPA) Conventional bag filters≤0.6MPA (Design Pressure 1.0MPA) High pressure bag filter≤1.0MPA (Design Pressure 1.6MPA) Insulation jacket pressure: Negative Pressure 0-0.5MPA							
Sealing ring: butyronitrile, silica gel, fluororubber PTFE							
Equipment Material: SS304, SS316, SC, PP							
Temperature: <60℃ ; <100℃ ; <150℃ ; >200℃							
Flange standard: HG, ASME B16.5, BS4504, DIN, JIS							
Filter bag specifications: 7×32 inches							
Filter bag material: PP, PE, PTFE,Nylon net, Steel wire mesh							

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