

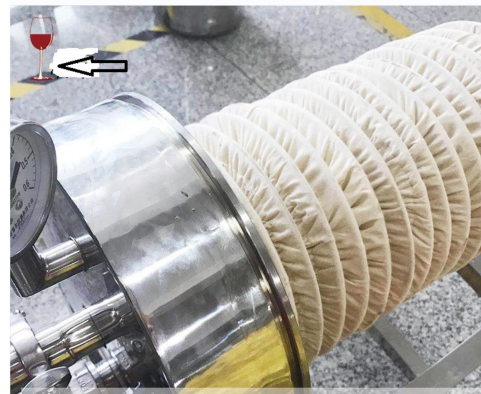
Liquor filter diatomaceous earth filter

Product Description

Diatomaceous earth filter refers to the coating filter with diatomaceous earth coating as the filtration layer, mainly using the mechanical sieving action to deal with the water filtration treatment process containing tiny suspended matters. Diatomaceous earth filters filtered wines and beverages have unchanged flavour, are non-toxic, free of suspended solids and sediments, and are clear and transparent. The diatomite filter has high filtration accuracy, which can reach 1-2 microns, can filter out Escherichia coli and algae, and the turbidity of the filtered water is 0.5 to 1 degree. The equipment covers a small area, low height of the equipment, the volume is only equivalent to 1/3 of the sand filter, can save most of the investment in civil construction of the machine room; long service life and high corrosion resistance of filter elements.



Vertical diatomaceous earth filter



Horizontal diatomaceous earth filter

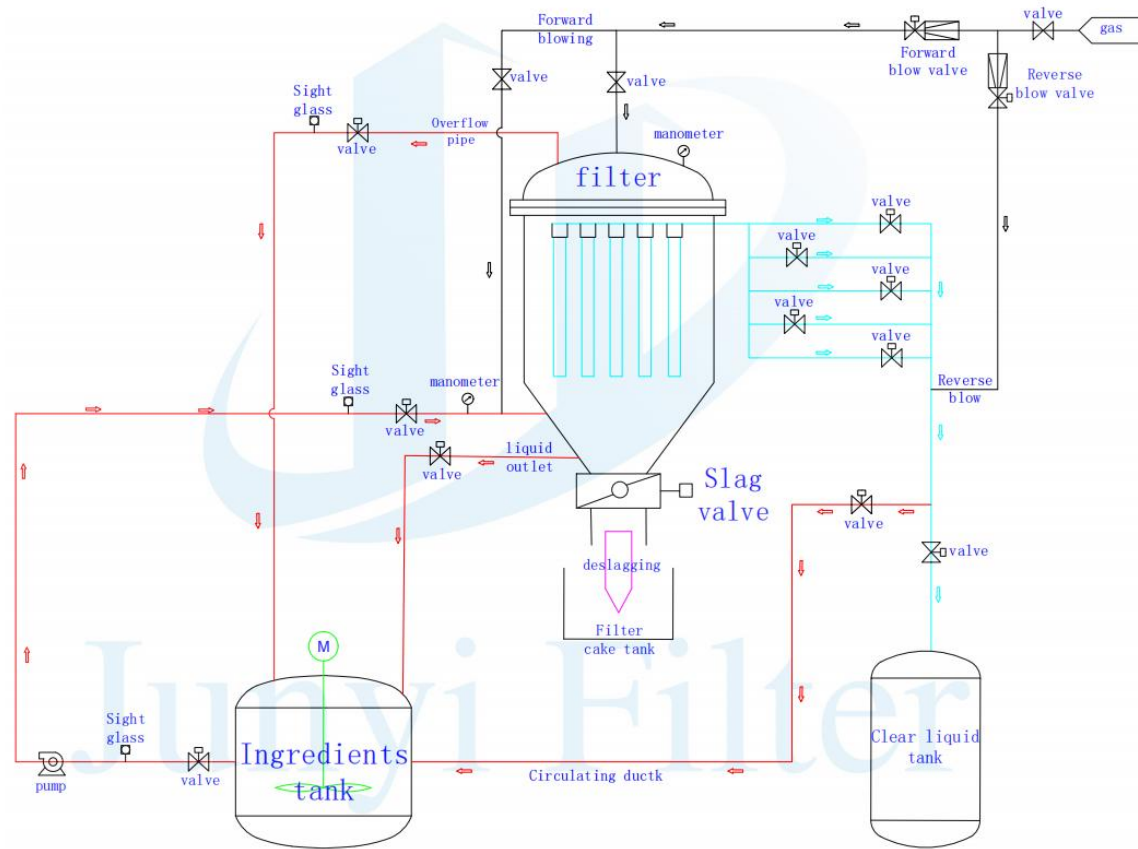


Product Features

The core part of the diatomite filter is composed of three parts: cylinder, wedge mesh filter element and control system. Each filter element is a perforated tube that serves as a skeleton, with a filament wrapped around the outer surface, which is coated with a diatomaceous earth cover. The filter element is fixed on the partition plate, above and below which are the raw water chamber and the fresh water chamber. The entire filtration cycle is divided into three steps: membrane spreading, filtration and backwashing. The thickness of the filter membrane is generally 2-3mm and the particle size of diatomaceous earth is 1-10µm. After the filtration is finished, backwashing is often done

with water or compressed air or both. The advantages of the diatomite filter are good treatment effect, small washing water (less than 1% of the production water), and small footprint (less than 10% of the ordinary sand filter area).

Feeding Process



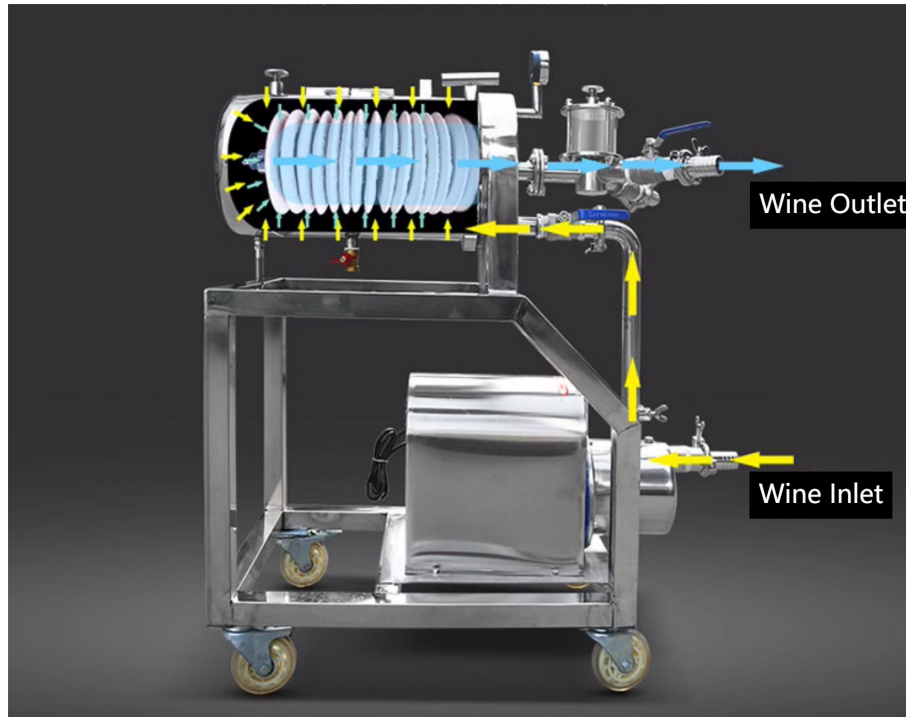
Application industries

Diatomaceous earth filter is suitable for fruit wine, white wine, health wine, wine, syrup, beverage, soy sauce, vinegar, and biological, pharmaceutical, chemical and other liquid products clarification filtration.

- 1) Beverage industry: fruit and vegetable juice, tea drinks, beer, rice wine, fruit wine, liquor, wine, etc.
- 2) Sugar industry: sucrose, high fructose corn syrup, high fructose corn syrup, glucose syrup, beet sugar, honey, etc.
- 3) Pharmaceutical industry: antibiotics, vitamins, synthetic plasma, Chinese medicine extract, etc.



Dimension Drawing of Liquor filter diatomaceous earth filter



Model	Dimensions (mm)	Filter area (mm)	Filter Blades Number	Valve Calibre	Theoretical flow rate (eg: white wine as unit) (T/H)	working pressure (MPa)
JY-HDEF-15.9	2450×750×850	15.9	38	Dg32	13-15	≤0.3
JY-HDEF-8.5	1950×750×850	8.5	20		8-10	
JY-HDEF-9.5	2350×680×800	9.5	38		9-12	
JY-HDEF-5.1	1840×680×800	5.1	20		6-8	
JY-HDEF-3.4	1700×600×750	3.4	20		4-6	
JY-HDEF-2.5	1600×600×750	2.5	15		2-4	
JY-HDEF-2	1100×350×450	2	20		1-3	

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