

## Product Description

Self-cleaning filter is a more precise filter, which is composed of an internal high-strength filter screen and a stainless steel scraping assembly (or scraper), using automatic control and manual control to filter the original liquid, cleaning, drainage and purification purposes. The equipment is mainly composed of a drive part, an electric control cabinet, a control pipeline (including a differential pressure switch), a filter component, a cleaning component (brush type or brush suction type) connection flange, etc. The material of the equipment is usually stainless steel(304,316) and carbon steel.



## Product Features

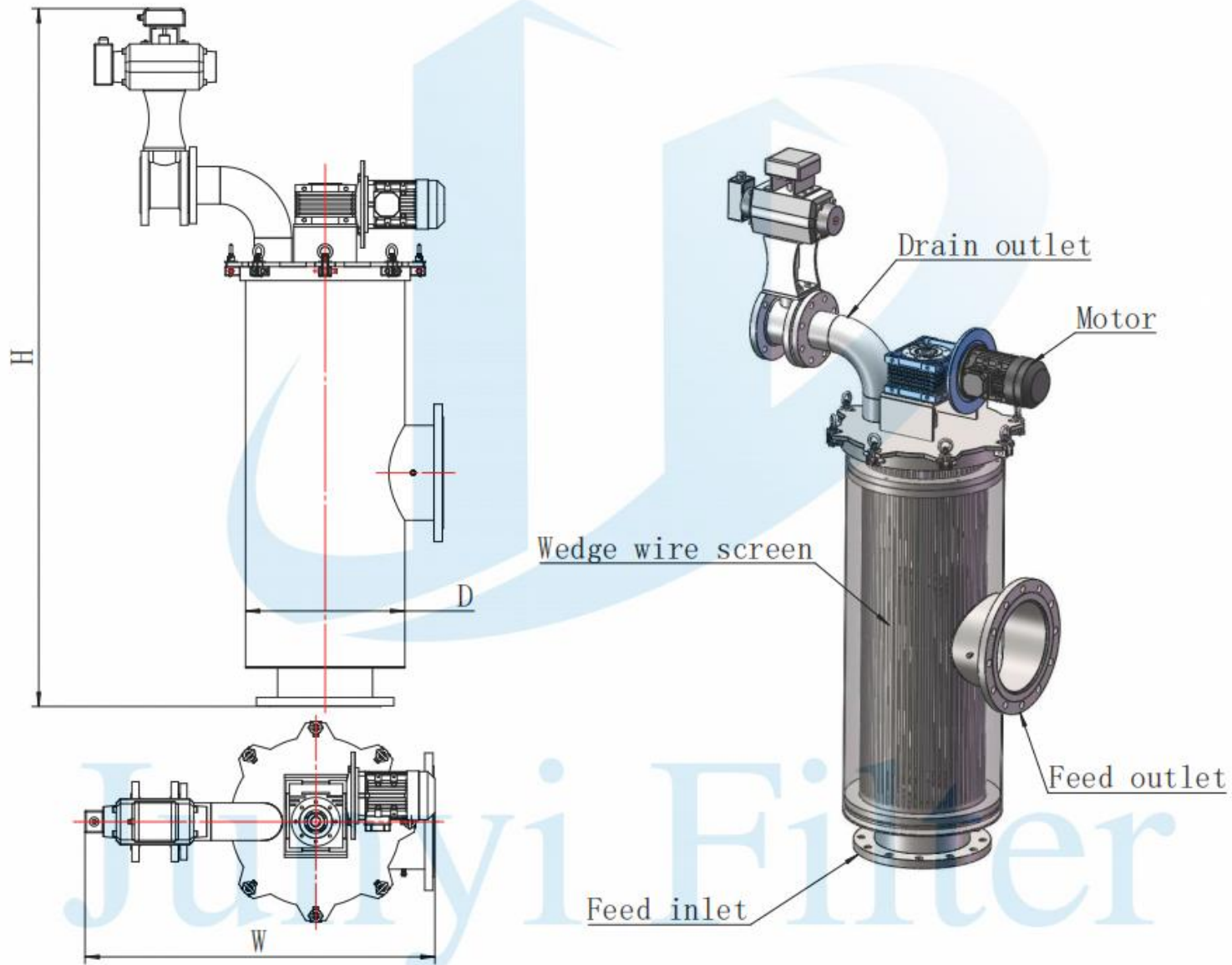
1. The control system of the equipment is responsive and accurate. It can flexibly adjust the pressure difference time and time setting value of backwashing according to different water sources and filtration accuracy.
2. In the backwashing process of the filter equipment, each filter screen is backwashing in turn. This ensures safe and efficient cleaning of the filter and does not affect the continued filtration of other filters.
3. Filter equipment using pneumatic blowdown valve, backwashing time is short, backwashing water consumption is less, environmental protection and economy.
4. The structure design of the filter equipment is compact and reasonable, and the floor area is small, and the installation and movement are flexible and convenient.

5. The electric system of the filter equipment adopts integrated control mode, which can realize remote control and is convenient and effective.
6. Filter equipment can easily and thoroughly remove impurities trapped by the filter screen, cleaning without dead corners.
7. The modified equipment can ensure filtration efficiency and long service life.
8. The self-cleaning filter first intercepts the impurities on the inner surface of the filter basket, and then the impurity particles adsorbed on the filter screen are brushed under the rotating wire brush or nylon brush and discharged from the blowdown valve with the water flow.
9. Filtration Accuracy: 0.5-200 $\mu$ m; Design Working Pressure: 1.0-1.6MPa; Filtration Temperature: 0-200 $^{\circ}$ C; Cleaning Pressure Differential: 50-100KPa
10. Optional Filter Element: PE/PP Sintered Filter Element, Metal Sintered Wire Mesh Filter Element, Stainless Steel Powder Sintered Filter Element, Titanium Alloy Powder Sintered Filter Element.
11. Inlet and Outlet Connections: Flange, Internal Thread, Outer Thread, quick-load.

## Application industries

Self-cleaning filter is mainly suitable for fine chemical industry, water treatment system, paper making, automotive industry, petrochemical industry, machining, coating and other industries.

Model	Flow rate m <sup>3</sup> /h	In/Out Calibre	Blow-down Calibre	Barrel Diameter	W(mm )	H(mm)	Filter Flow (t/h)	Filter area (cm <sup>2</sup> )	Blow-down Valve (mm)	One wash Valve (kg)	Motor power (KW)
JYSCF-50	20	DN50	DN25	219	550	1060	25	2750	DN25	60	0.55
JYSCF-65	30	DN65	DN25	273	550	1060	30	2750	DN25	60	0.55
JYSCF-80	40	DN80	DN25	273	550	1060	50	2750	DN25	60	0.75
JYSCF-100	60	DN100	DN50	273	550	1060	80	2750	DN25	60	0.75
JYSCF-125	100	DN125	DN50	273	550	1060	120	2750	DN40	150	1.1
JYSCF-150	150	DN150	DN50	325	750	1335	160	6000	DN40	150	1.1
JYSCF-200	250	DN200	DN50	377	750	1335	300	6000	DN50	200	1.5
JYSCF-250	400	DN250	DN50	426	750	1335	450	6000	DN50	200	1.5
JYSCF-300	500	DN300	DN50	529	750	1335	650	6000	DN50	200	1.5
JYSCF-350	750	DN350	DN80	529	890	1800	900	12000	DN65	350	2.2
JYSCF-400	1000	DN400	DN80	600	890	1800	1200	12000	DN65	350	2.2
JYSCF-450	1200	DN450	DN100	600	1205	1975	1500	15000	DN65	350	2.2
JYSCF-500	1500	DN500	DN100	700	1205	1975	2000	15000	DN65	350	3.0
JYSCF-600	2100	DN600	DN100	800	1302	2000	2800	18000	DN65	350	3.0
JYSCF-700	3000	DN700	DN200	900	1399	2050	3000	21000	DN65	350	3.0



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