

M8 型智能一体化油水分离设备

MNGY-M8 系列智能一体化油水分离设备是由我公司自主研发的新一代智能一体化油水分离设备。产品包含固液自动分离系统、自动高效纳米微气浮装置、自动加热装置、自动恒温装置、通过油层检测实现自动放油系统、具有自动称重装置，渣桶、油桶倒满自动报警并远程发送提醒到管...

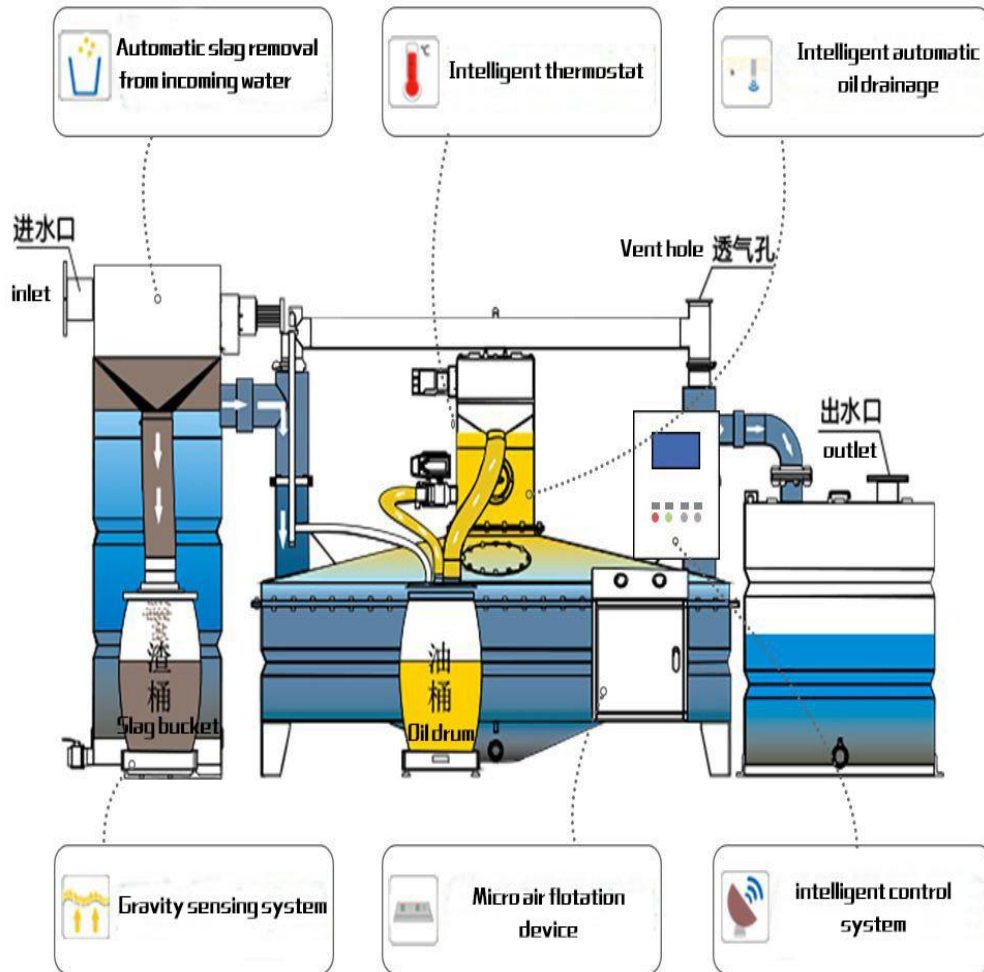
Model M8 intelligent integrated oil water separation equipment

Mngy-m8 series intelligent integrated oil-water separation equipment is the latest generation of intelligent integrated oil-water separation equipment independently developed by our company. It has automatic alarm device, automatic alarm device, automatic alarm device and automatic alarm device



产品优势

Product advantage



细节展示

Detail display

/ 304/316 texture of material

Environmental Hygiene / wear resistance /
low temperature resistance / excellent
thermal expansion and thermal insulation
properties / food grade



Slag removal diameter $\geq 2\text{mm}$ ②

Effective isolation diameter $\geq 2\text{mm}$

Particles, high separation efficiency, no blockage

3 Automatic oil scraping

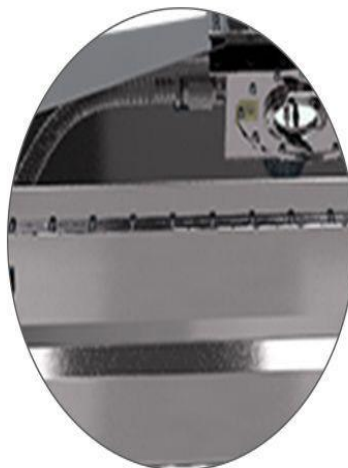
Intelligent induction / automatic slag removal system / can effectively reduce management cost



Argon arc welding

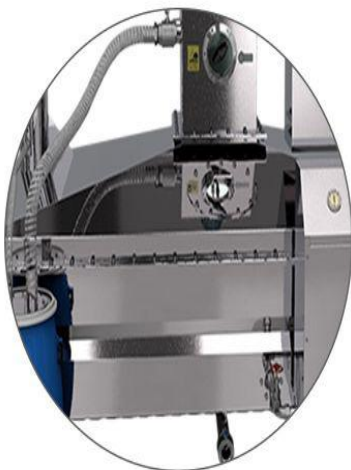
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High welding quality / low welding stress and deformation



5 Separable combination

Easy to install / disassemble / suitable for various complex application scenarios



high-capacity

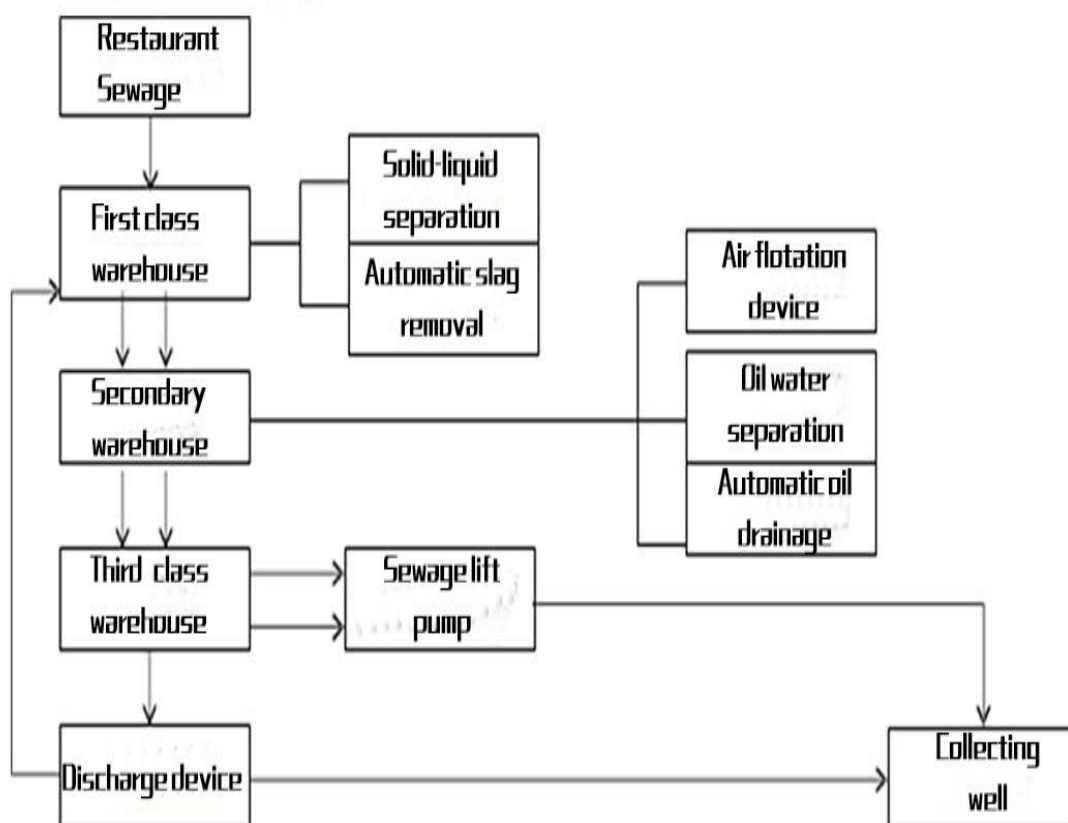
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Long residence time / large capacity

工作原理

Working principle

MB series intelligent integrated oil-water separation equipment is a new generation of intelligent integrated oil-water separation equipment independently developed by our company. The product includes solid-liquid automatic separation system, automatic high-efficiency nano micro air flotation device, automatic heating and constant temperature device. Through oil layer detection, it can realize automatic oil discharge system, automatically remind the replacement of slag bucket and oil barrel, and realize the automatic control of the whole equipment.



设备结构

Equipment structure

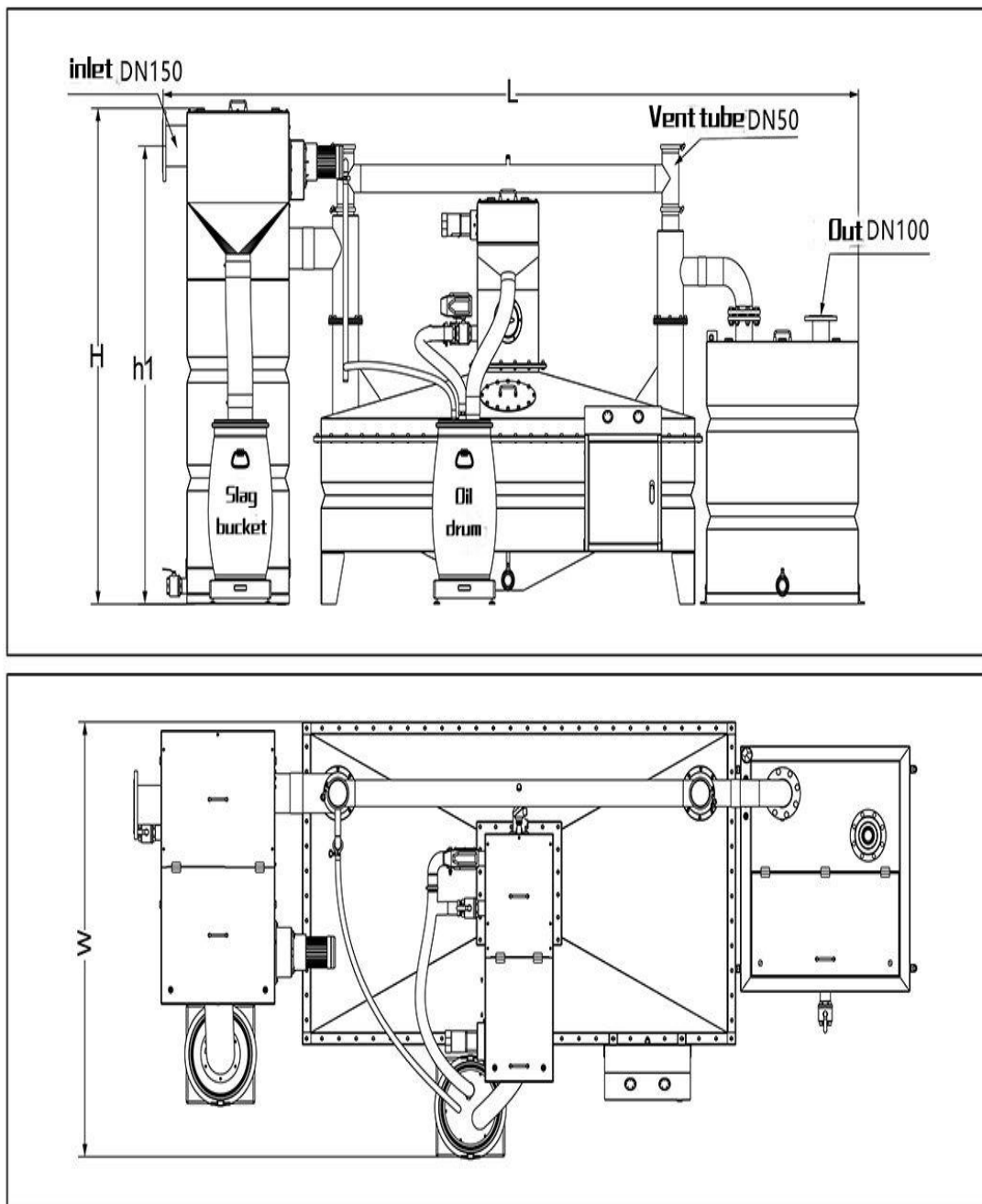


Part name

- Automatic slag removal device
- Automatic oil scraper (optional)
- Oil layer detection device (optional)
- Micro explosion device (optional)
- Residue collection bucket
- Oil water observation port
- Grease collection barrel
- Sewage lifting device (optional)
- Weight alarm device (optional)
- Temperature sensor
- Cleaning and flushing port
- pipe weep
- Oil water bridge pipe
- Constant temperature heating device
- Micro explosion device (optional)
- vent
- Automatic / manual drain valve

设计尺寸

Equipment size



Dimensions

number	model	Maximum capacity		Equipment dimensions (mm)			Nozzle size (mm)			Running capacity (t)
		m ³ /h	L/S	长 (L)	宽 (W)	高 (H)	inlet	Out	Air hole	
1	FLGY-20-X-M8	20	5.6	3200	1150	1800	DN150	DN80	DN50	1.8
2	FLGY-30-X-M8	30	8.3	3700	1300	1900	DN150	DN100	DN50	2.6
3	FLGY-40-X-M8	40	11.1	4400	1650	2000	DN150	DN100	DN50	3.5
4	FLGY-50-X-M8	50	13.9	4400	1800	2000	DN150	DN100	DN50	4.2
5	FLGY-60-X-M8	60	16.7	4500	2000	2000	DN150	DN100	DN50	5.0

"FLGY-20-X-m8", where "X" is the lifting height, which can be selected according to actual needs

M7 intelligent integrated oil water separation equipment

Mngy-m7 high efficiency oil separation and lifting integrated equipment is equipped with automatic slag remover, automatic mixing, automatic heating, constant temperature and heat preservation functions. The equipment cabinet is made of stainless steel reinforced structure. After the equipment is placed in place, it is connected with the reserved water pipe, drainage pipe and ventilation pipe in the equipment room, and it can be put into use after being electrified.



FLGY—M7型

Intelligent integrated oil water
separation equipment

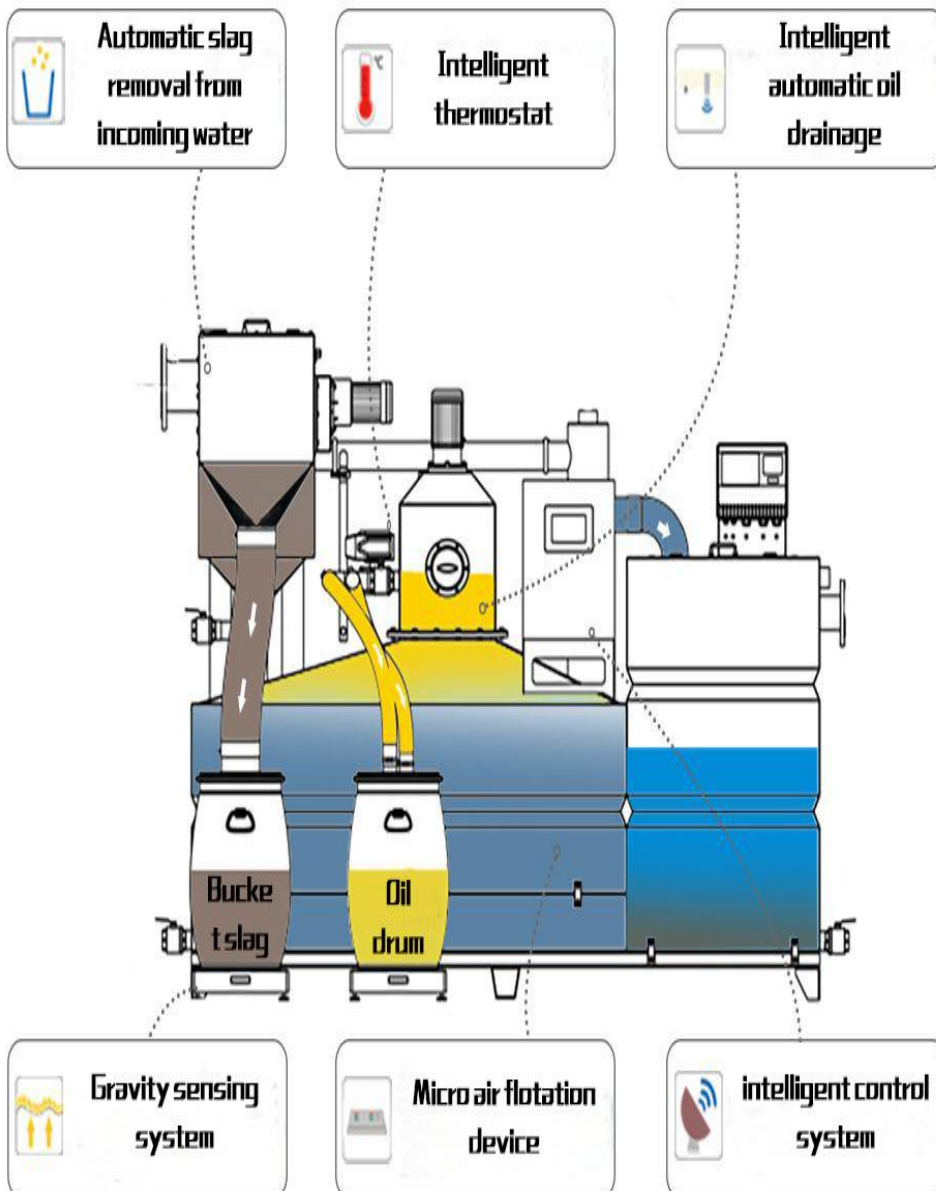
中国环境保护认证产品

China environmental protection certification products



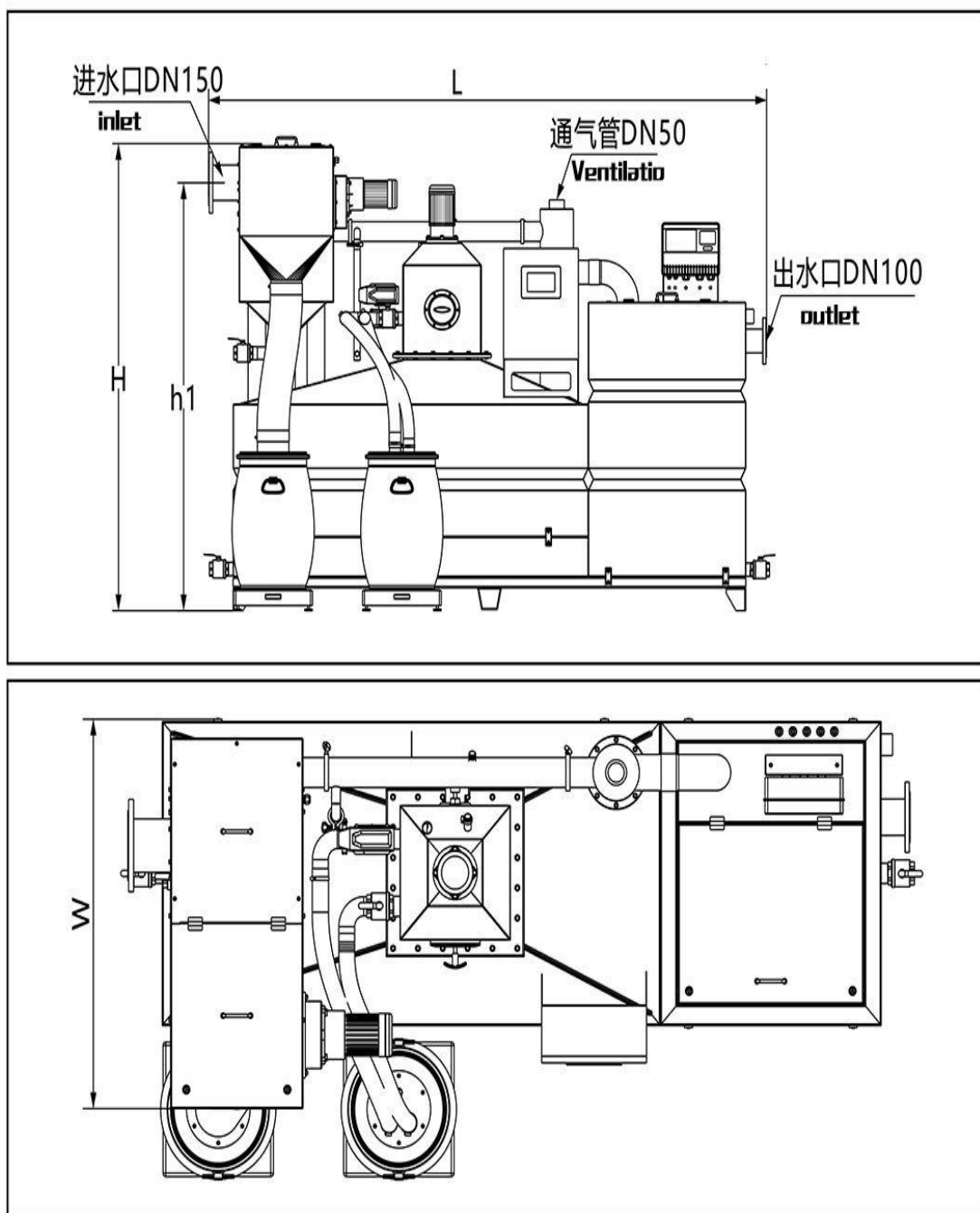
产品优势

Product advantage



设计尺寸

Equipment size



Dimensions

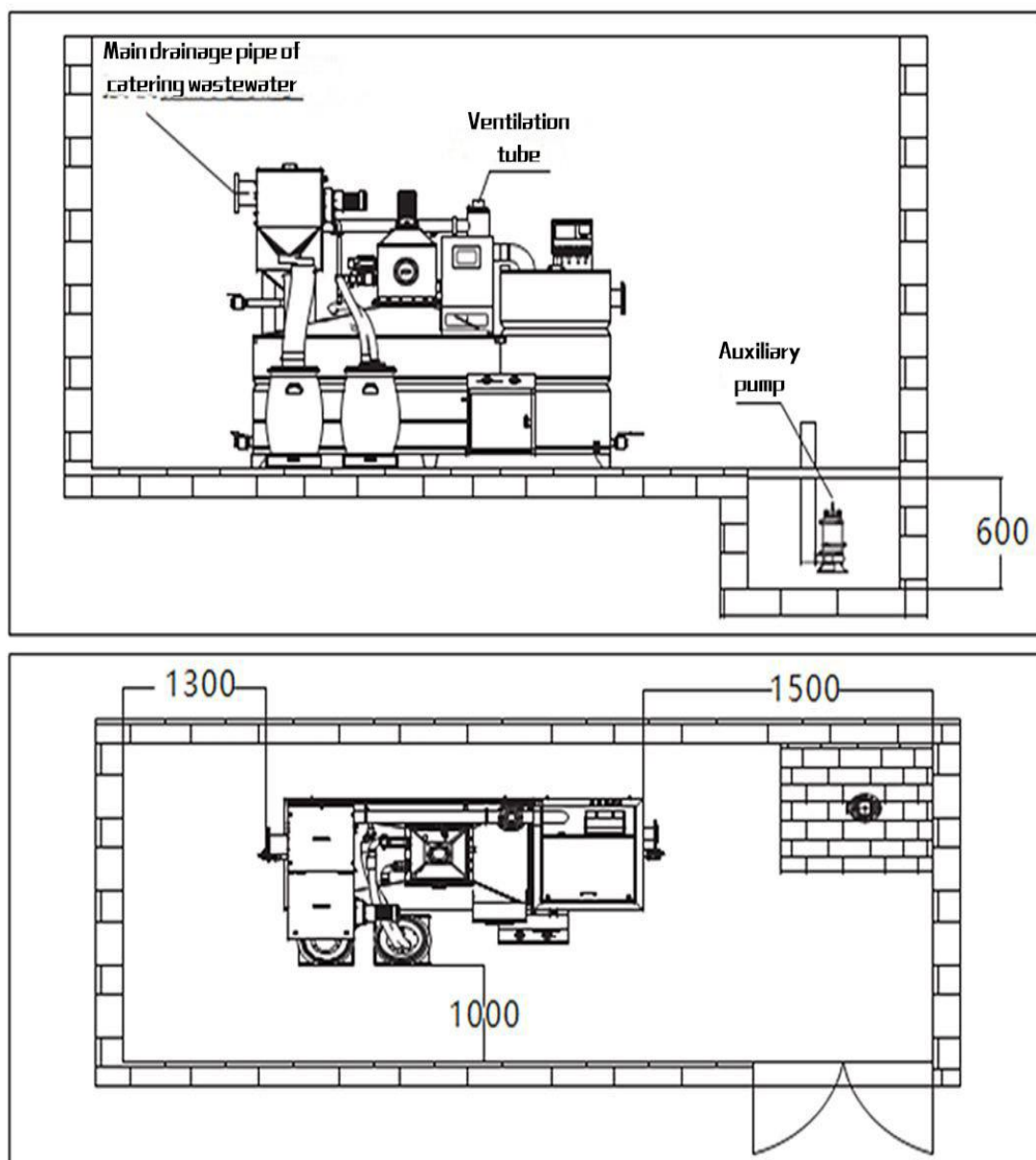
number	model	Maximum capacity		Dimensions (mm)			Water intake height (h)	Nozzle diameter (mm)		
		m ³ /h	L/S	长 (L)	宽 (W)	高 (H)		inlet	outlet	Air vent
1	FLGY-10-X-M7	10	2.8	2500	1200	1900	1750	DN100	DN80	DN50
2	FLGY-15-X-M7	15	4.2	2700	1300	1900	1830	DN150	DN100	DN50
3	FLGY-25-X-M7	25	7.0	2900	1300	2100	1940	DN150	DN100	DN50
4	FLGY-35-X-M7	35	9.8	3000	1400	2200	2020	DN150	DN100	DN50
5	FLGY-45-X-M7	45	12.5	3100	1500	2200	2020	Dn150	Dn100	Dn50

"FIGY" - 10-X, where "X" is the lifting height, which can be selected according to needs

安装效果

Installation effect





Installation dimensions

number	model	Installation dimensions (mm)			Installed power (KW)		Operating weight (T)
		长(L)	宽(W)	高(H)	Flagship	Basic	
1	FLGY-10-X-M7	3500	2100	2400	5.8kW	3.5kW	1.5
2	FLGY-15-X-M7	3700	2200	2400	5.8kW	3.5kW	1.8
3	FLGY-25-X-M7	3900	2300	2600	5.8kW	3.5kW	2.4
4	FLGY-35-X-M7	4000	2400	2700	5.8kW	3.5kW	3.1
5	FLGY-45-X-M7	4100	2500	2700	5.8kW	3.5kW	3.8

The installed power does not include the power of the lift pump

无动力油水分离装置设置三级隔油处理工艺，内置隔板，层层隔除厨房废水残渣、废油，处理达标后的废水最终通过重力自流至室外市政管网。其优点是造价低廉、安装较方便，但后期运维麻烦，需人工定期清渣，无动力，易堵塞。

The unpowered oil-water separation device is equipped with three-stage oil separation treatment process, with built-in clapboard to separate kitchen waste water residue and waste oil layer by layer, and finally the wastewater after treatment can flow to the outdoor municipal pipe network by gravity. It has the advantages of low cost and convenient installation, but the later operation and maintenance is troublesome, and the slag needs to be cleaned regularly manually, so it has no power and is easy to be blocked.



application area

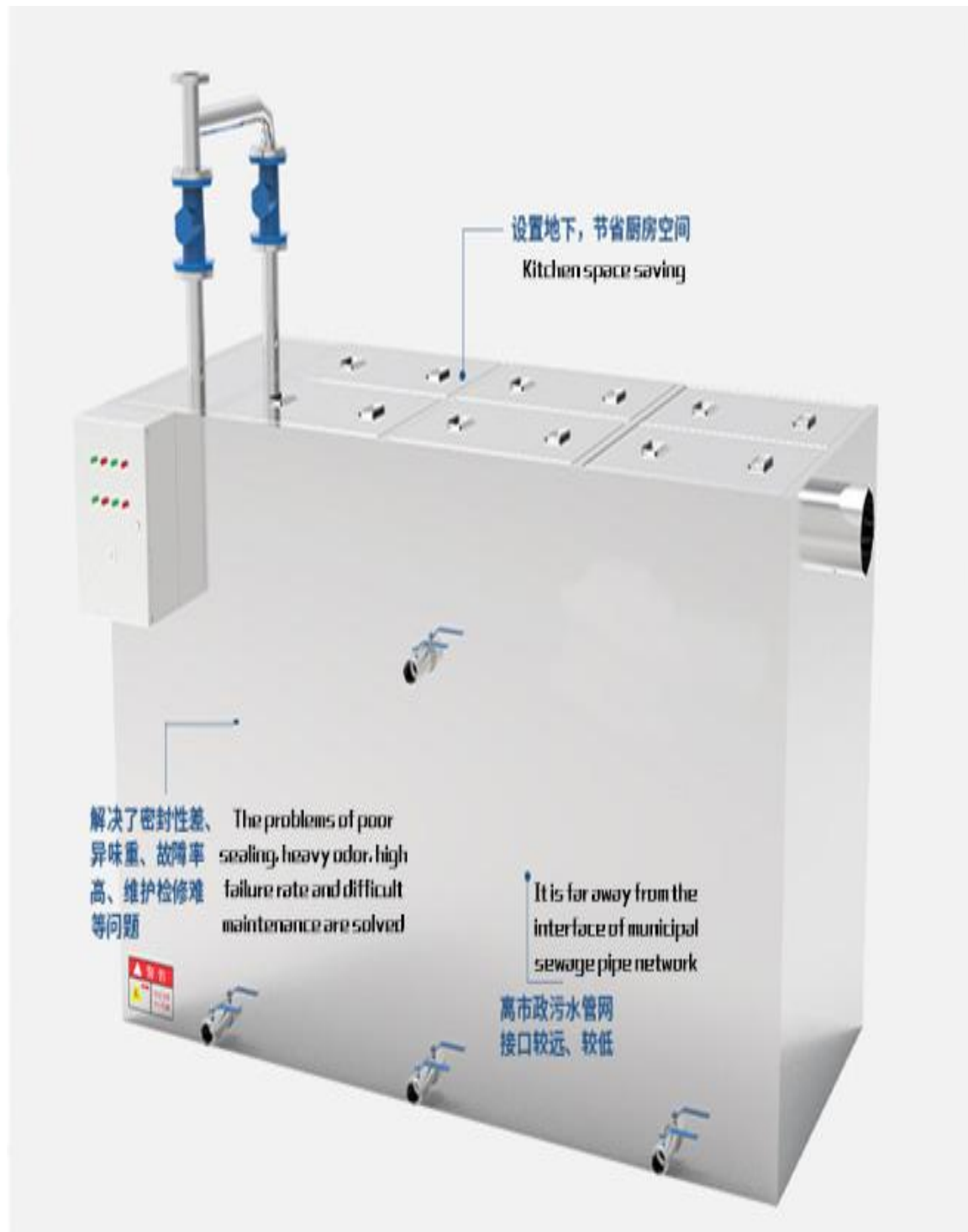
Oil water separation device is widely used in hotels, all kinds of restaurants, public canteens and other places with catering function or catering nature and kitchen of other units. After being treated by oil-water separation equipment, it is discharged into urban drainage pipe network; at the same time, it is also used in other industries, such as industrial production of oily sewage, oily sewage, containing other proportion lower than water and insoluble in water Oil sewage. It is widely used.

Product parameters

number	model	Treatment capacity	Equipment specification (mm)			Inlet outlet	Applicable
		m ³ /h	长 (L)	宽 (W)	高 (h)	DN (mm)	People/ m ²
1	FLCYGYQ-0.5-F-S	0.5	600	300	300	40	10-30
2	FLCYGYQ-1-F-S	1	800	400	400	50	30-60
3	FLCYGYQ-1.5-F-S	1.5	1000	400	400	50	60-100
4	FLCYGYQ-2-F-S	2	1500	600	600	50	100-150
5	FLCYGYQ-2.5-F-S	2.5	1600	600	800	75	150-200
6	FLCYGYQ-3-F-S	3	1600	700	800	75	200-300
7	FLCYGYQ-4-F-S	4	1600	800	800	75	300-400
8	FLCYGYQ-5-F-S	5	1800	800	800	100	400-500
9	FLCYGYQ-6-F-S	6	1800	800	700	100	500-600
10	FLCYGYQ-7-F-S	7	1800	800	800	100	600-700
11	FLCYGYQ-8-F-S	8	1800	800	900	100	700-800
12	FLCYGYQ-9-F-S	9	1800	800	1000	100	800-900
13	FLCYGYQ-10-F-S	10	2000	1000	1000	100	900-1000
14	FLCYGYQ-15-F-S	15	2000	1200	1200	150	1000-1500
15	FLCYGYQ-20-F-S	20	2400	1200	1200	150	1500-2000
16	FLCYGYQ-25-F-S	25	2400	1200	1500	150	2000-2500
17	FLCYGYQ-30-F-S	30	3000	1200	1500	200	2500-3000
18	FLCYGYQ-40-F-S	40	3000	1500	1500	200	3000-4000
19	FLCYGYQ-50-F-S	50	3000	1500	1800	250	4000-5000
20	FLCYGYQ-60-F-S	60	3000	2000	1800	250	5000-6000
21	FLCYGYQ-70-F-S	70	3000	2000	1800	300	6000-7000

Lifting oil water separator

The lifting oil-water separator device is added with lifting device on the basis of the original unpowered oil-water separation device, which can prevent the oil-water separation device from being far away from the interface of municipal sewage pipe network, and solve the problems of poor sealing, heavy odor, high failure rate and difficult maintenance and repair of the traditional water collecting oil-water separation device. Because the lifting oil-water separation device is mostly set in the underground space, can effectively save the kitchen space, has been widely used in the kitchen.



application area

Oil water separation equipment is widely used in hotels, all kinds of restaurants, public canteens and other places with catering function or catering nature and kitchen of other units for purification of oily sewage. After being treated by oil-water separation equipment, it is discharged into urban drainage network; at the same time, it is also used in other industries, such as oily sewage in industrial production, oily sewage containing other proportion lower than water and insoluble in water Oil sewage. It is widely used.

Product parameters

number	model	Treatment capacity	Equipment specification (mm)			Inlet outlet	Applicable
		m ³ /h	长 (L)	宽 (W)	高 (h)	DN (mm)	People/ m ²
1	FLCYGYQ(T)-5-F-S	5	2400	1050	1500	100	400-500
2	FLCYGYQ(T)-6-F-S	6	3000	1000	1500	100	500-600
3	FLCYGYQ(T)-7-F-S	7	3500	1000	1500	100	600-700
4	FLCYGYQ(T)-8-F-S	8	3500	1150	1500	100	700-800
5	FLCYGYQ(T)-9-F-S	9	3600	1250	1500	100	800-900
6	FLCYGYQ(T)-10-F-S	10	3600	1500	1500	100	900-1000
7	FLCYGYQ(T)-15-F-S	15	3600	1500	2000	150	1000-1500
8	FLCYGYQ(T)-20-F-S	20	4500	1500	2000	150	1500-2000
9	FLCYGYQ(T)-25-F-S	25	4500	2000	2000	150	2000-2500
10	FLCYGYQ(T)-30-F-S	30	5000	2000	2000	200	2500-3000
11	FLCYGYQ(T)-40-F-S	40	6600	2000	2000	200	3000-4000
12	FLCYGYQ(T)-50-F-S	50	6600	2000	2500	250	4000-5000

Automatic oil water separator

The automatic oil-water separation device is equipped with a full set of the latest technology and functions, which is the sixth generation new product of our company. Equipped with automatic grid device, automatic air flotation device, automatic oil scraping device, automatic constant temperature heating device, automatic oil pumping device, automatic control, realize the traditional human liberation, intelligent operation and maintenance, which is conducive to saving the later operation and maintenance cost (no manual oil scraping and slag scraping).



application area

Oil water separation equipment is widely used in hotels, all kinds of restaurants, public canteens and other places with catering function or catering nature and kitchen of other units for purification of oily sewage. After being treated by oil-water separation equipment, it is discharged into urban drainage network; at the same time, it is also used in other industries, such as oily sewage in industrial production, oily sewage containing other proportion lower than water and insoluble in water Oil sewage. It is widely used.

Product parameters

number	model	Treatment capacity	Equipment specification (mm)			Inlet /outlet	Ventilation
		m ³ /h	长 (L)	宽 (W)	高 (h)	DN (mm)	DN (mm)
1	FLCYGYQ (T) -5-F-S	5	2800	1100	1750	100/50	80
2	FLCYGYQ (T) -10-F-S	10	3000	1100	1750	100/50	80
3	FLCYGYQ (T) -15-F-S	15	3200	1100	1750	100/50	80
4	FLCYGYQ (T) -20-F-S	20	3400	1200	1850	100/50	80
5	FLCYGYQ (T) -25-F-S	25	3600	1200	1850	150/65	100
6	FLCYGYQ (T) -30-F-S	30	3800	1200	1850	150/65	100
7	FLCYGYQ (T) -35-F-S	35	4000	1200	1950	150/65	100
8	FLCYGYQ (T) -40-F-S	40	4200	1300	1950	150/65	100
9	FLCYGYQ (T) -45-F-S	45	4400	1300	1950	200/80	100
10	FLCYGYQ (T) -50-F-S	50	4600	1300	1950	200/80	100
11	FLCYGYQ (T) -55-F-S	55	4800	1300	1950	200/80	100
12	FLCYGYQ (T) -60-F-S	60	5000	1300	1950	200/80	100

number	model	Motor power	Lifting height	Reference weight (equipment + water)
		(KW)	(m)	(T)
1	FLCYGYQ (T) -5-F-S	5. 0+2. 2	15	5. 2
2	FLCYGYQ (T) -10-F-S	5. 0+2. 2	15	5. 8
3	FLCYGYQ (T) -15-F-S	5. 0+3. 0	15	6. 3
4	FLCYGYQ (T) -20-F-S	5. 0+4. 4	15	7. 2
5	FLCYGYQ (T) -25-F-S	5. 0+6. 0	15	7. 8
6	FLCYGYQ (T) -30-F-S	5. 0+6. 0	15	8. 3
7	FLCYGYQ (T) -35-F-S	5. 0+6. 0	15	8. 9
8	FLCYGYQ (T) -40-F-S	5. 0+8. 0	15	9. 6
9	FLCYGYQ (T) -45-F-S	5. 0+8. 0	15	10. 4
10	FLCYGYQ (T) -50-F-S	5. 0+11. 0	15	11. 2
11	FLCYGYQ (T) -55-F-S	5. 0+11. 0	15	12
12	FLCYGYQ (T) -60-F-S	5. 0+15. 0	15	12. 9

Hydraulic oil water separator

The hydraulic oil-water separation device is a kind of oil-water separation device with high efficiency, no power and automatic oil drainage, which is developed by using the specific gravity difference between oil and water and the structural principle of "U" pipe. It has the advantages of high oil-water separation efficiency, small floor area and simple installation. The equipment is widely used for the separation of oil and water containing various vegetable oil, animal oil or their mixture, such as the treatment of oily sewage produced in restaurants, restaurants, supermarkets, commercial complexes, factories, hospitals, schools, government canteens and other places.



application area

Oil water separation device is widely used in hotels, restaurants, public canteens and other places with catering function or catering nature, and other units kitchen oily sewage purification, which is discharged into the urban drainage network after being treated by oil-water separation equipment; at the same time, it is also used in other industries, such as: industrial production of oily sewage, oily sewage, containing other proportion lower than water and insoluble in water Oil sewage. It is widely used.

Product parameters

number	model	Treatment capacity	Equipment specification (mm)			Inlet /outlet	Ventilation
		m ³ /h	长 (L)	宽 (W)	高 (h)	DN (mm)	DN (mm)
1	FLCYGYQ(T)-5-F-S	5	1700	1100	1900	100/50	80
2	FLCYGYQ(T)-10-F-S	10	2000	1100	1900	100/50	80
3	FLCYGYQ(T)-15-F-S	15	2100	1100	1900	100/50	80
4	FLCYGYQ(T)-20-F-S	20	2300	1200	1900	100/50	80
5	FLCYGYQ(T)-25-F-S	25	2600	1200	1900	150/65	100
6	FLCYGYQ(T)-30-F-S	30	2700	1200	1900	150/65	100
7	FLCYGYQ(T)-35-F-S	35	2800	1200	1900	150/65	100
8	FLCYGYQ(T)-40-F-S	40	2900	1200	1900	150/65	100
9	FLCYGYQ(T)-45-F-S	45	2900	1300	1900	200/80	100
10	FLCYGYQ(T)-50-F-S	50	3100	1300	1900	200/80	100
11	FLCYGYQ(T)-55-F-S	55	3500	1300	1900	200/80	100
12	FLCYGYQ(T)-60-F-S	60	3500	1300	1900	200/80	100

number	model	Motor power	Lifting height	Reference weight (equipment + water)
		(KW)	(m)	(T)
1	FLCYGYQ(T)-5-F-S	5.0+2.2	15	3.41
2	FLCYGYQ(T)-10-F-S	5.0+2.2	15	3.86
3	FLCYGYQ(T)-15-F-S	5.0+3.0	15	4.23
4	FLCYGYQ(T)-20-F-S	5.0+4.4	15	5.02
5	FLCYGYQ(T)-25-F-S	5.0+6.0	15	5.44
6	FLCYGYQ(T)-30-F-S	5.0+6.0	15	5.85
7	FLCYGYQ(T)-35-F-S	5.0+6.0	15	6.05
8	FLCYGYQ(T)-40-F-S	5.0+8.0	15	6.21
9	FLCYGYQ(T)-45-F-S	5.0+8.0	15	6.8
10	FLCYGYQ(T)-50-F-S	5.0+11.0	15	7.25
11	FLCYGYQ(T)-55-F-S	5.0+11.0	15	8.12
12	FLCYGYQ(T)-60-F-S	5.0+15.0	15	8.6

High end intelligent automatic oil water separator

The high-end intelligent full-automatic oil-water separation device adopts an integrated frame type fully sealed structure. The large-capacity slag bucket and oil barrel fall on the ground independently. The ultrasonic slag level and oil level detection and display system of slag bucket and oil barrel are set. The integrated circuit touch screen control is embedded. The mobile phone app can check the operation status of the equipment and the actual capacity of the slag bucket and oil barrel in real time, and can be replaced in advance. The equipment has its own deodorization device. The anti-collision facilities are set at the corners of the whole equipment to give customers a different simple, comfortable and safe operation experience.



application area

Oil water separation device is widely used in hotels, restaurants, public canteens and other places with catering function or catering nature, and other units kitchen oily sewage purification, which is discharged into the urban drainage network after being treated by oil-water separation equipment; at the same time, it is also used in other industries, such as: industrial production of oily sewage, oily sewage, containing other proportion lower than water and insoluble in water Oil sewage. It is widely used.

Installation effect









Aviation oil water separator

Oil water separator series

Oil water separator oil in water separator diesel filter

The oil-water separator is an instrument to separate oil and water. In principle, it is mainly divided into the separation of water in oil and the separation of oil in water. In terms of use, it is mainly divided into industrial grade oil-water separator, commercial oil-water separator and household oil-water separator. In terms of separation principle, it is divided into membrane filtration oil-water separator, oil-water separator with lipophilic material and unpowered separator with different specific gravity Oil water separator.



The stainless steel oil-water separator produced by our company is mainly used in petrochemical industry, automobile industry, sewage treatment industry, oil-water separation of machine tool cleaning fluid, oil-water separation of mechanical parts washing, etc.



Product features

1. Fast separation speed;
2. High separation precision: it can separate oil-water mixture with high precision;
3. Wide application range of separated oil products;
4. Low filtration resistance and energy saving;
5. The equipment has the advantages of small volume, simple structure, small floor space and high separation efficiency;
6. Automatic operation, simple operation, convenient maintenance and reliable operation;
7. Using the polymerization principle of material micro surface, complete physical separation, without any harmful by-products and derivatives. Due to the physical separation principle, the filter material has a very long service life

Scope of application

Recovery and utilization of oil-bearing steam condensate in refineries and petrochemical plants. Deoiling treatment of cooling water for natural gas expander. Terminal treatment of oilfield reinjection water. The condensing water is supplied to the boiler of thermal power plant. Recycling of oil-bearing circulating water in metallurgy, iron and steel plant and cold rolling plant. Deoiling treatment of softened water front end. Marine oil-water separator, waste water from shipyard. Oil water separation in paint factory, oil chemical factory and electroplating factory. The separation of emulsified oil and water in mechanical and electrical industry and the waste water in locomotive depot. Oily sewage treatment in vehicle factory, wharf and oil depot. Industrial oil-water separator oil removal waste oil filter oil pump assembly environmental protection water oil removal filter









Oil water separator diesel filter manufacturer

Oil water separator series

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Water separator manufacturer

Oil water separator

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Marine oil water separator water removal oil water separator
demulsification filter oil water separator





Oil water separator manufacturer with automatic drainage function









The oil-water separator is composed of shell, separator, filter element and blowdown components. When the compressed air containing a large amount of oil and water solid impurities enters the separator, it spins down along its inner wall, resulting in centrifugal effect, which makes the oil and water separate out from the steam flow and flow down the wall to the bottom of the oil-water separator, and then fine filtration is carried out by the filter element. Because the filter element is made of coarse, fine and ultra-fine fiber filter materials, it has high filtration efficiency, When the gas passes through the filter element, it is firmly adhered to the filter fiber due to the blocking of the filter element, inertial collision, van der Waals force between molecules, electrostatic attraction and vacuum suction, and gradually increases into droplets, which drop into the bottom of the separator under the action of gravity. It is discharged by the blowdown valve.

The oil-water separator is a kind of machine, which is usually used by ships to treat sewage. Because of the requirements of environmental protection, the sewage discharged to the rivers, lakes and sea areas must be treated.

The working principle and working process of the oil-water separator system are as follows: 1. Water enters from AOD pump (air diaphragm) - > 2 flow control valve enters into the new honeycomb chamber of 3 grids for water flushing. Because there are many close honeycomb like compartments inside, the tiny particles in the water settle in the honeycomb chamber in the process of water grid renewal, and the waste water grid enters into the new honeycomb chamber of 4 grids (5 / 32 ") for water flushing 5 adsorption chamber and extraction chamber. Water flows into the oil adsorption chamber composed of jt57 liquid filter medium. In this process, oil and grease are adsorbed and a large number of complex heavy metals, organic compounds, TSS, BTEX, PCB and many water pollutants are extracted. Then, the water flow turns upward in the adsorption chamber and enters into the --- > 6 honeycomb chamber. The water flows up and down through the compact honeycomb like partition layer of Gexin grade three times, and the residual trace oil will float up and collect in the upper part. The water flows into the --- > 7 clean water chamber, and the final water is discharged from the bottom of the clean water chamber. For the residual oil distributed on the secondary honeycomb chamber and clean water chamber, the skimmer on the top of the skimmer is skimmed into the external oil storage container to remove it.

In order to ensure the fuel supply of the whole engine system, the installed oil-water separator model must be larger than the displacement of the original vehicle.

2. Pay attention to drainage in time

Don't think it's safe to be installed. There is a transparent plastic water cup under the oil-water separator. When using the oil-water separator, you must pay attention to drain water in time. If there is too much water, the oil-water separator will not be able to separate oil and water.

Automatic drainage function

Some foreign advanced manufacturers already have the function of automatic water discharge. The filter cup under the oil-water separator has a water level sensor. When the water level reaches a certain value, it will prompt that there is water on the computer display on the instrument panel, and the oil-water separator must drain. The drainage operation is also very convenient. After parking, pull on the handbrake, turn off the engine, turn the ignition key to the driving position, and press the switch on the instrument panel. It only takes about 18 seconds to complete the drainage.

Oil water separator to remove oil separator to remove floating oil separator
in sewage







1、 Principle: use the hydrophobicity of the oil collecting trailer to absorb the floating oil in the water on the oil collecting trailer, and then make the oil collecting Trailer rotate continuously on the oil level at a certain speed through mechanical drive. Through the rotary motion and adsorption performance of the oil collection trailer, the floating oil in the water is transported to the floating oil recovery machine. After being extruded by the extrusion roller, the floating oil on the oil collection trailer is squeezed into the oil tank, so as to achieve the purpose of floating oil recovery The ordinary oil recovery machine has the advantages of low power consumption, small volume, light weight, easy installation, high oil recovery efficiency and convenient maintenance, and can work in 0-80 degree environment. At the same time, it also has a special slag discharge mechanism, which can effectively remove the slag in the oil tank. This type of equipment also adopts QY new type of belt free traction head and anti ultraviolet, anti acid and alkali oil collection tractor, so as to ensure the good performance of the whole machine. 2. The structure is composed of common type: 1. A set of main engine head, 2. A set of electrical control box, 3. A set of oil pump assembly, 4. Two sets of Q-1 traction head 5. Application: the floating oil recovery machine is mainly used in the sewage circulation system of metallurgical, port, petrochemical, machinery and other enterprises. Its main function is to remove the floating oil in

the oily sewage. The principle of the automatic floating oil recovery machine is as follows: The floating oil in water is adsorbed on the oil collecting Trailer by using its hydrophobicity and lipophilicity, and then the oil collecting Trailer rotates continuously on the oil-bearing surface at a certain speed by mechanical drive. Through the rotary motion and adsorption performance of the oil collection trailer, the floating oil in the water is transferred to the oil recovery machine. After being extruded by the extrusion roller, the floating oil on the oil collection trailer is squeezed into the oil tank, so as to achieve the purpose of floating oil recovery. The automatic floating oil recovery machine is based on the ordinary type, equipped with intelligent control system, oil-water interface detection and sensing system and liquid level limit alarm device. The required functions can be selected according to the actual situation of the enterprise: automatic detection function - detection of water level alarm function in the oil tank; automatic output function - automatic drainage and oil drainage; automatic protection alarm function - liquid level overrun, equipment overload and tape automatic shutdown alarm. By adding the above functions, the machine can realize automatic drainage, automatic oil drainage, automatic detection of working conditions, automatic fault alarm, automatic shutdown protection and other purposes, so as to realize the purpose of automatic operation of the machine without supervision, and further improve the labor productivity and enterprise management level. Product application: the floating oil recovery machine is mainly used in the sewage circulation system of metallurgical, port, petrochemical, machinery and other enterprises. Its main function is to remove the floating oil in the oily sewage.





Industrial oil water separator







product details

The industrial oil-water separator adopts the gravity separation method, which makes use of the density difference between oil and water and the incompatibility between oil and water to realize the separation of oil droplets, suspended solids and water in the static or flowing state. It is a traditional physical method to separate oil from water. From a practical point of view, gravity separation process does not need additional power, does not consume chemicals, does not cause secondary pollution, and has low operation and maintenance costs. YJ series industrial oil-water separator adopts structural design, which can effectively separate the residue, floating oil and sludge in sewage. At the same time, it can be equipped with air flotation device to accelerate oil-water separation.

How to use the product / product

The industrial oil-water separator is a new type of oil-water separation product developed by our company. It is simple and convenient to operate. It is widely used in the treatment of oily wastewater and degreasing wastewater in the food industry. After separation, the oil content in the water is less than or equal to 5mg / L, which fully meets the wastewater

discharge standard

Industrial oil water separator / preparation before use

1. Before use, it should be placed close to the sewage source as far as possible to shorten the length of the water pipe and reduce the resistance of the pipe.

The oil-water separator should be as short as possible, and the oil-water separator should be as close as possible to the industrial oil separation device.

Operation method of oil water separator

1. Connect the inlet and outlet water pipes and drain pipes, close the drain valve and outlet ball valve, connect the inlet pipe to the sewage tank, and open the inlet valve.

2. The industrial oil-water separator enters the normal working state. At this time, the clean water is discharged from the water outlet, the oil collection chamber begins to collect oil, and the oil-water interface begins to decline.

Before each shutdown, clean water should be filled into the chambers of the water industrial oil-water separator, and the inlet and outlet ball valves should be closed.

Inclined plate oil water separator







Oil water separation is a kind of machine, which is usually used to treat sewage. Because of the requirements of environmental protection, the sewage discharged to the rivers, lakes and sea areas must be treated, and the oil-water separator is needed.

Working principle and main components of oil water separator

This integrated device is mainly composed of inclined plate separator, Gexin water oil separator (including prefilter, gravity separator, Gexin coalescence separator and adsorption filter) and corresponding supporting devices. The process principle is as follows:

(1) the sewage is pumped into the inclined plate separator. The sewage pump has strong self-priming capacity, uniform flow, and no mechanical shear emulsification for oil, so it is suitable for the transportation of oily sewage.

(2) the inclined plate separator can effectively remove the floating oil and free oil in the water. The floating oil rises to the surface of the separator and flows into the sewage tank, while the settled sludge is discharged regularly.

(3) the sewage treated by the inclined plate separator flows into the buffer water tank by itself, and the water tank is equipped with a liquid level switch with high and low alarm functions. When the water level reaches a certain height, the sewage lifting pump will be started automatically. When the water level drops to a certain position, the lifting pump will be stopped automatically. The lifting pump sends the sewage to the pre filter and other follow-up equipment for treatment.

(4) the prefilter can effectively filter the fine suspended particles (10 μ m) in the water, protect the new coalescence separator and extend its service life. The prefilter stage is used to remove the impurity particles in the water, prevent the particle as the core and cannot demulsify and remove oil. At the same time, the oil in water is demulsified and then transported to the gravity separator.

(5) the gravity separator makes full use of the characteristics of long process flow to make the fine oil particles fully contact and gradually grow up and float up. More than 80% of the oil is gathered and discharged in this stage, and only a small amount of fine oil particles are transported to the Gexin i-gexin coalescence separator. Therefore, the service life of the coalescence filter element can be greatly extended by the gravity separator.

(6) Gexin coalescing separator is used to remove residual oil (emulsified oil) in water. Coalescing filter element coalesces micro oil drops in water into large oil drops, and makes them float up quickly, and collect them in the oil collecting chamber of coalescing separator. After treatment, the oil content in water reaches less than 5mg / L, which can be directly discharged; the dirty oil collected in the oil collecting chamber is regularly discharged into the oil tank for recycling.

(7) the adsorption filter is equipped with a large capacity activated carbon filter element, which is used for deep adsorption to remove residual organic matter in water and make it meet the emission standard

The inclined plate separator adopts two-stage process to remove the oil and suspended solid particles in the water. The sewage is pumped into the inlet of the oil-water separator. At this time, the flow direction is upward. This initial upward flow can ensure that most of the free oil (floating oil) in the water can quickly rise to the surface of the separator.

The sewage then flows down to the bottom of the separator through closely arranged coalescing plates. During the downward movement of the water, the oil droplets rise, collide and coalesce under the inclined plate, and the countercurrent rises to the surface of the pool. After the sewage flows out from one plate group (countercurrent area), it flows through another plate

group, and the oil droplets coalesce again, and rise to the surface of the separator with the help of water flow. After treatment, the flow direction of the sewage changes again on the surface, flows out from under the sewage oil baffle, flows through the overflow weir, and is discharged from the water outlet. The inclined plate separator has the following characteristics: High separation efficiency, the residence time of incoming water is usually less than 30 min;

The recovered oil does not contain free water;

The change of oil content and suspended solids content in raw water has no negative effect on the effluent;

The equipment is light and small in size;

No moving parts, low operation cost;

Water removal type oil water separator







product details

The oil-water separator is composed of shell, separator, filter element and blowdown components. When the compressed air containing a large amount of oil and water solid impurities enters the separator, it spins down along its inner wall, resulting in centrifugal effect, which makes the oil and water separate out from the steam flow and flow down the wall to the bottom of the oil-water separator, and then fine filtration is carried out by the filter element. Because the filter element is made of coarse, fine and ultra-fine fiber filter materials, it has high filtration efficiency, When the gas passes through the filter element, it is firmly adhered to the filter fiber due to the blocking of the filter element, inertial collision, van der Waals force between molecules, electrostatic attraction and vacuum suction, and gradually increases into droplets, which drop into the bottom of the separator under the action of gravity. It is discharged by the blowdown valve.

The oil-water separator is a kind of machine, which is usually used by ships to treat sewage. Because of the requirements of environmental protection, the sewage discharged to the rivers, lakes and sea areas must be treated. The working principle and working process of the oil-water separator system

are as follows: 1. Water enters from AOD pump (air diaphragm) - > 2 flow control valve enters into the new honeycomb chamber of 3 grids for water flushing. Because there are many close honeycomb like compartments inside, the tiny particles in the water settle in the honeycomb chamber in the process of water grid renewal, and the waste water grid enters into the new honeycomb chamber of 4 grids (5 / 32 ") for water flushing 5 adsorption chamber and extraction chamber. Water flows into the oil adsorption chamber composed of jt57 liquid filter medium. In this process, oil and grease are adsorbed and a large number of complex heavy metals, organic compounds, TSS, BTEX, PCB and many water pollutants are extracted. Then, the water flow turns upward in the adsorption chamber and enters into the --- > 6 honeycomb chamber. The water flows up and down through the compact honeycomb like partition layer of Gexin grade three times, and the residual trace oil will float up and collect in the upper part. The water flows into the --- > 7 clean water chamber, and the final water is discharged from the bottom of the clean water chamber. For the residual oil distributed on the secondary honeycomb chamber and clean water chamber, the skimmer on the top of the skimmer is skimmed into the external oil storage container to remove it.

Oil water separator of air compressor









Oil water separator of air compressor

Condensate oily sewage into two-stage separation

Main principle: oil and water are separated by coalescence principle, oil floats to the upper layer and is collected by oil collector, and water is discharged.

Performance characteristics:

1. Small size, mobile, easy to use
2. Two stage separation, good effluent effect, can directly meet the discharge standard
3. No pretreatment is needed, which can directly meet the discharge standard
4. The speed of separation is ten times of that of gravity separation
5. Automatic operation, convenient maintenance

Application fields:

Oily wastewater from various air compressors and other industries

Compressed air filter compressed air precision filter

Compressed air filter series

Compressed air filter compressed air precision filter water and oil removal filter

The compressed air precision filter is used to remove pollutants in the compressed air system, such as corrosive solid particles such as dust, iron filings and scale, compressor lubricant, condensate, acid cold condensate, oil and hydrocarbon mist, etc., and provide high-quality compressed air meeting the application requirements for the compressor air system.





Product features

- 1. The flow path is enlarged to reduce the pressure drop
- 2. The shell is made of high quality aluminum alloy and carbon steel or stainless steel
- 3. Epoxy powder is sprayed on the surface to improve durability and corrosion resistance
- 4. The inlet and outlet are of threaded connection type, and the air flow direction is marked on the shell, so it is easy to install
- 5. Compact design reduces maintenance space
- 6. The accurate differential pressure gauge indicates the exact time to replace the filter element
- 7. The liquid level indicator can easily monitor the liquid level, and

pay attention to the situation that needs preventive maintenance at any time, so as to avoid downstream pollution

- 8. Reliable automatic drainage device









Oil water separator for air compressor







普通型

精密型

多功能复合型

The compressed air oil-water separator used in air compressor is used to separate the condensed water, oil and other impurities in the compressed air, so that the compressed air can be preliminarily purified. The general use pressure is 0.1mpa-2.5mpa.

Working principle of compressed air oil-water separator:

When the ratio of oil to water and compressed air flow out of the separator changes rapidly, the oil to water ratio will change sharply. The common ones are impinging oil-water separator and annular rotary oil-water separator. After the compressed air enters the shell of the oil-water separator from the inlet, the air flow is blocked by the baffle plate, and then turns downward, and then rises upward, resulting in annular rotation. Under the action of centrifugal force and inertial force, the water and oil droplets are separated from the air and settled at the bottom of the shell. In another oil-water separation system, the stainless steel wire mesh coalescence filler is used inside, and the shell is made of steel welded tank structure. The general use pressure is 0.1mpa-2.5mpa. Its principle is to use the organic combination of cyclone and stainless steel wire mesh to capture fog, and adopt the mechanism of direct interception, inertial collision, Brownian diffusion and condensation, which can effectively remove the dust, water and oil mist in the compressed air, with large amount of water and oil removal,

and can adapt to a wide range of working conditions.

When the compressed air containing oil and water flows into the oil-water separator, the large droplets fall to the bottom of the separator under the action of gravity, and the small foggy droplets are captured by the wire mesh and condensed into large droplets and fall to the bottom of the separator. The entrained liquid is thus separated. The separated liquid flows into the lower part and is discharged by manually opening the valve or by installing an air discharge valve at the lower part

Gxhr stainless steel gas pipeline filter basket type pipeline filter







Product introduction:

Gxhr series high pressure gas filter is widely used in high pressure gas pipeline, which can filter and purify high pressure gas. Its main function is to remove particulate impurities, oil and water in the gas. The filtered gas can be directly used to produce high-purity gas, food and pharmaceutical gas, etc. There are a variety of filter element options. Compared with other manufacturers, our free design team, combined with years of filter and filter element production process, can provide customers with perfect filter scheme.

Product features: 1

1. Gxhr series adopts WF or so flange connection, and the whole design is in accordance with pressure vessel design requirements. In the production process, raw materials and welding will be tested to meet the pressure vessel standards.
2. The filter can be designed according to the actual needs of customers and industrial and mining conditions. There are more than 100 kinds of filter elements in the filter to meet the needs of customers.

Dust filter anti static dust filter manufacturer

Dust filter series

Powder dust filter fan flame retardant dust filter PTFE coated dust filter
The filter element has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtration area, oil and water resistance, high filtration efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtration precision, small operation resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials.





Oil proof and water-proof cartridge filter model:

General specifications of filter cartridge: (325 × 660, 325 × 600, 325 × 705, 325 × 750, 350 × 660, 350 × 600, 350 × 705, 350 × 900, 510 × 900, 408 × 660, 150 × 1000, 152 × 902, 350 × 1320, 178 × 2000)



Performance characteristics of dust filter cartridge:

It has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtering area, oil and water resistance, high filtering efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtering precision, small running resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials







Fan flame retardant dust filter cartridge manufacturer
Dust filter series

Powder dust filter fan flame retardant dust filter PTFE coated dust filter
The filter element has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtration area, oil and water resistance, high filtration efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtration precision, small operation resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials.



Dust filter cartridge model:

7. Dust filter cartridge size of Langfang Haoheng environmental protection equipment Co., Ltd

240×130×100、240×130×300、240×130×400、240×130×600、240×130×660、
240×130×700、240×130×750、240×130×900、240×130×1000、240×130×
1200、240×130×1600，

315×210×100、315×210×300、315×210×400、315×210×600、315×210×660、
315×210×700、315×210×750、315×210×900、315×210×1000、315×210×
1200、315×210×1600，

320 × 100, 320 × 300, 320 × 400, 320 × 600, 320 × 660, 320 × 700,
320 × 750, 320 × 900, 320 × 1000, 320 × 1200, 320 × 1600 dust removal
filter element, dust filter element, filter element (cartridge)

325×215×100、300、400、600、660、700、750、900、1000、1200、1600，

335×100、300、400、600、660、700、750、900、1000、1200、1600,

350×240×100、300、400、600、660、700、750、900、1000、1200、1600,

490×100、300、400、600、660、700、750、900、1000、1200、1600,

760×650×100、300、400、600、660、700、750、900、1000、1200、1600,

Note: more dust filter specifications δ can be detailed, the specific specifications can be customized according to the specific requirements of users, the actual color of filter cartridge may be different from the picture color, please take the real object as the standard. And so on, also may according to the customer need or provide the drawing and the sample processing production

Performance characteristics of dust filter cartridge:

It has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtering area, oil and water resistance, high filtering efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtering precision, small running resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials

Flame retardant dust filter element of fan

Dust filter cartridge size:

240×130×100、240×130×300、240×130×400、240×130×600、240×130×660、
240×130×700、240×130×750、240×130×900、240×130×1000、240×130×
1200、240×130×1600,

315×210×100、315×210×300、315×210×400、315×210×600、315×210×660、
315×210×700、315×210×750、315×210×900、315×210×1000、315×210×
1200、315×210×1600,

320 × 100, 320 × 300, 320 × 400, 320 × 600, 320 × 660, 320 × 700,
320 × 750, 320 × 900, 320 × 1000, 320 × 1200, 320 × 1600 dust removal
filter element, dust filter element, filter element (cartridge)

325×215×100、300、400、600、660、700、750、900、1000、1200、1600,

335×100、300、400、600、660、700、750、900、1000、1200、1600,

350×240×100、300、400、600、660、700、750、900、1000、1200、1600,

490×100、300、400、600、660、700、750、900、1000、1200、1600,

760×650×100、300、400、600、660、700、750、900、1000、1200、1600,

Note: more dust filter specifications δ can be detailed, the specific specifications can be customized according to the specific requirements of users, the actual color of filter cartridge may be different from the picture color, please take the real object as the standard. And so on, also may according to the customer need or provide the drawing and the sample processing production

Performance characteristics of dust filter cartridge:

It has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtering area, oil and water resistance, high filtering efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtering precision, small running resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials

Dust filter cartridge of casting shot blasting machine









Dust filter element of casting shot blasting machine

Main types of products: [casting shot blasting machine dust filter core] composite fiber filter cartridge, long fiber polyester filter cartridge, coated filter cartridge, nanotechnology filter cartridge, welding dust filter cartridge, pulse pleated long filter cartridge, large air volume filter cartridge, high precision filter cartridge, high temperature resistant filter cartridge, antistatic filter cartridge, flame retardant filter cartridge, sand blasting special filter cartridge, tobacco special filter cartridge, air conditioning special filter cartridge, vacuum cleaner Products are widely used in steel, petrochemical, power, shipbuilding, containers, tobacco, rubber, machinery manufacturing, ceramics, wood processing, automotive, special powder, non-ferrous metals, mining and other dust removal filter.

240 dust filter cartridge flame retardant treatment dust filter cartridge







product details

Material of dust filter cartridge:

1. The filter material is made of domestic and imported coated polyester non-woven fabric (oil proof, waterproof, antistatic and flame retardant treatment), polyester long fiber filter paper, glass fiber filter material, etc. It adopts international advanced wide fold discount technology, with uniform gap
2. The end covers at both ends of the filter cartridge are made of anti rust steel plate with thickness of more than 8 mm (not easy to deform). The special polyurethane foam adhesive is used to bond the end cover and the filter material (to ensure that the end cover and the filter material are connected tightly without gap)

3. The internal and external support protection frameworks are made of punching stainless steel plates with high strength and good anti-corrosion performance of more than 5mm, with strong support, which can prevent the filter cartridge from blowing, exploding and shrinking

4. The connection between filter cartridge and slide plate is sealed with low hardness and high strength foam sealing rubber ring to ensure no dust leakage, and the filtration accuracy can reach 99.9%;

5. The internal and external protection net and internal filter material are fixed by the internationally advanced automatic screw glue casting machine (or fixed by the fastening belt), so as to ensure the uniform air volume and filtering area of the filter cartridge, and facilitate the electromagnetic pulse valve back blowing and dust cleaning

6. Easy installation and maintenance, long service life

Dust filter cartridge model:

7. Dust filter cartridge size of Langfang Haoheng environmental protection equipment Co., Ltd

240×130×100、240×130×300、240×130×400、240×130×600、240×130×660、
240×130×700、240×130×750、240×130×900、240×130×1000、240×130×
1200、240×130×1600,

315×210×100、315×210×300、315×210×400、315×210×600、315×210×660、
315×210×700、315×210×750、315×210×900、315×210×1000、315×210×
1200、315×210×1600,

320 × 100, 320 × 300, 320 × 400, 320 × 600, 320 × 660, 320 × 700,
320 × 750, 320 × 900, 320 × 1000, 320 × 1200, 320 × 1600 dust removal
filter element, dust filter element, filter element (cartridge)

325×215×100、300、400、600、660、700、750、900、1000、1200、1600,

335×100、300、400、600、660、700、750、900、1000、1200、1600,

350×240×100、300、400、600、660、700、750、900、1000、1200、1600,

490×100、300、400、600、660、700、750、900、1000、1200、1600,

760×650×100、300、400、600、660、700、750、900、1000、1200、1600,

Note: more dust filter specifications δ can be detailed, the specific specifications can be customized according to the specific requirements of users, the actual color of filter cartridge may be different from the picture color, please take the real object as the standard.

**Sand blasting machine dust filter cartridge 3266 dust filter cartridge
manufacturer**







02 快拆六耳滤芯

产品参数 / 适用范围 / 产品特点



产品名称	快拆型滤芯
产品材质	聚酯纤维（无纺布） 木浆纤维（滤纸）
产品内径	215mm
产品外径	325mm
产品高度	900mm
适用范围	食品面粉加工水泥厂，电厂 钢铁铸造业粉末喷涂等。



A
聚酯纤维滤纸
有效过滤粉尘颗粒



B
镀锌滤盖
金属滤盖适配安装更方便



C
镀锌滤网
加装菱形滤网更耐用

product details

3266 sand blasting machine dust filter, 3266 sand blasting machine dust filter supplier, 3266 sand blasting machine dust filter manufacturer 3566 Flame retardant dust removal filter element shot blasting machine dust removal filter element sand blasting machine dust removal filter element mixing station dust removal filter element antistatic dust removal filter element PTFE coated dust removal filter element polyester fiber dust removal filter element

Quick detachable filter element coating equipment filter element plate frame filter element air filter element

Fan dust filter cartridge fan flame retardant dust filter cartridge gas turbine high temperature resistant air filter cartridge

Coating plastic spraying machine 3266 quick detachable dust filter cartridge powder spraying chuck quick detachable dust filter cartridge

Sand blasting house dust filter element anti static dust filter cartridge
sand blasting machine dust filter powder recovery filter cartridge filter
cartridge for shot blasting machine

It is suitable for all kinds of capacity gas turbine air dust filter cartridge,
dust-free workshop purification equipment air dust filter cartridge, raw
material air compressor air dust filter cartridge of oxygen station,
shipbuilding industry hull workshop plasma cutting machine air dust filter
cartridge, iron and steel blast furnace blower air dust filter cartridge,
electrostatic spraying equipment air dust filter cartridge, long-time
operation Diesel engine air filter cartridge, domestic large power station
spare parts supply air filter cartridge, sewage treatment engineering spare
parts air filter cartridge, drilling machine air filter cartridge, chemical
air filter cartridge, oil refining air filter cartridge, metallurgical air
filter cartridge, fertilizer plant air filter cartridge, cigarette industry
air filter cartridge Air power equipment, such as air filter cartridge for
paper industry, air filter cartridge for pharmaceutical industry and so on,
are widely used in self-cleaning dust removal filter with rigid dust removal
cartridge as filter element and pulse back blowing dust removal function,
central air conditioning system with high requirements for air dust content,
inlet filtration of control room and other large units, and powder dust
recycling for dust coating Collecting and filtering system.

Wood pulp fiber paper dust filter cartridge fly ash dust filter cartridge







product details

Wood pulp fiber paper filter cartridge

Performance characteristics:

It is suitable for filtration of gas turbine, compressor, sand blasting, tobacco coil wiring, fly ash and bleaching ash.

1. Imported special air filter / dust removal composite filter paper, to ensure the filtering effect
2. Wide pleat design, large filtration area
3. Galvanized end cover will not rust
4. The center frame of rhombic net made of zinc plating has high opening rate
5. Special closed cell elastic chloroprene rubber
6. The utility model can prolong the service life of the filter barrel.

Polyester long fiber filter cartridge

Performance characteristics:

It is suitable for powder spraying, sand blasting, pigment industry and wood processing.

1. Imported long fiber polyacetic acid filter material, fiber interlaced, evenly distributed.

2. It has good wear resistance and can withstand pulse back blowing of air flow better than traditional filter material.
3. The filter material can be cleaned repeatedly.
4. The end cover and the center frame are galvanized parts without rust.
5. Special sealing closed cell elastic neoprene rubber.
6. It can be washed with water and used repeatedly.

325 dust filter element







product details

Performance characteristics of dust filter cartridge:

It has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtering area, oil and water resistance, high filtering efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtering precision, small running resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials

Application field of dust filter cartridge:

Sandblasting and shot blasting, grinding and derusting, painting, metal smelting, industrial dust collector, cement, steel plant, thermoelectricity, cigarette air conditioning, metallurgical casting, storage battery, packaging, carbon black dust, powder industry, rubber powder filtration, glass, chemical industry, electrostatic industry, welding smoke, container, shipbuilding, abrasive granulation, sand suction dust collector, air compression station, aluminum plant, material transportation Pretreatment of steel plate, dust removal on the top of warehouse, etc

PTFE coated filter element

Dust filter series

Powder dust filter fan flame retardant dust filter PTFE coated dust filter
The filter element has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtration area, oil and water resistance, high filtration efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtration precision, small operation resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials.





Performance characteristics of dust filter cartridge:

It has the characteristics of acid and alkali resistance, corrosion resistance, strong professional performance, large filtering area, oil and water resistance, high filtering efficiency, large air volume, high strength, large pulling force, strong wear resistance, high filtering precision, small running resistance, low friction coefficient, strong non sticking powder performance, good moisture and moisture resistance, repeated water washing, and improving the quality and output of powder materials







Coalescence filter cartridge for natural gas coalescence dehydration

Coalescence filter cartridge natural gas coalescence dehydration filter cartridge gas coalescence filter cartridge

As the primary filter element in the filter separator, coalescence filter element has two functions

1. The dispersed emulsion droplets are aggregated into larger droplets;
2. Filter particulate pollutants.

The coalescing filter core produced by our company is made of foreign advanced special coalescing materials, which can effectively remove impurities such as water, alkali and organic acid salt dissolved in water from oil.



working principle:

Firstly, the solid particles can be intercepted and agglomerated by the multi-layer filter element, which is conducive to the removal of pollutants from the particles in the filter element. The filtered material then enters the demulsification coalescence layer to demulsify the impurity liquid in the material. The demulsified liquid enters the coalescence layer. The

coalescence layer's working mechanism is that the small water droplets contact with the fiber and adhere to it. Under the promotion of the fluid, they move along the fiber and coalesce with other small water droplets at the intersection point of the fiber to form large water droplets.

Large water droplets are brought to the outer surface of the filter element by the fluid. Because their density is greater than that of hydrocarbon, they are separated from liquid hydrocarbon under the action of gravity and settle into the liquid collecting tank at the bottom of the filter separator. The larger the coalesced water droplets are, the better the oil-water separation effect is.



Product features

The filter element is made of international agglomerating materials to ensure the technical performance and quality of the filter element, large pollution capacity and long service life. The agglomerating material is a composite structure, which greatly improves the dewatering capacity and service life of the filter element. The agglomerating materials are

consolidated with special resin and process, and will not appear short circuit or fiber shedding phenomenon even under the impact of high flow rate and strong pressure pulsation. It is oil-resistant and water-resistant All metal materials of the filter element are treated with anti-corrosion surface, which can ensure that the filter element will not be corroded during its effective life and normal storage period



Water removal coalescence separation filter cartridge oil water coalescence
separation filter cartridge







product details

The coalescing filter core mainly uses glass fiber or polyester fiber with surface treatment as coalescing medium. The structure of filter material is specially designed to make the filter medium have good coalescing performance. The filtering precision can reach $0.1 \mu\text{m}$.

Filtration principle: The droplets of oil, water and other liquids are captured by the microfibers in the coalescer. These microfibers form a zigzag channel for the air flow, forcing the solid particles and liquid droplets to be captured by the microfibers under the three filtration mechanisms of inertial collision, diffusion interception and direct interception. The liquid surface tension makes the small droplets coalesce into larger droplets, Large droplets settle to the bottom of the container.

The glass fiber coalescer filter element is made of high density gradient glass fiber. In order to reduce the damage and leakage, it is designed into a monolithic tube structure. The surface of the filter element is treated with water and oil drainage, which can meet the requirements of various accuracy levels.

Polyester fiber coalescence filter element is usually made of synthetic

polyester fiber, which has good compatibility with various fluids. The filter element is made of multi-layer spiral structure, and each layer is made of fibers with different properties. The expected filtering accuracy can be achieved by controlling the shape, size, thickness and density of each layer of fibers.

Product advantages:

Glass fiber coalescing filter element has high density gradient glass fiber, which can coalesce liquid mist and droplets in air flow with high filtering accuracy. The structure is stable, there is no medium fiber shedding, and it will not cause pollution to the environment and downstream products. The multi-layer structure of the polyester fiber coalescence filter element ensures the filtration accuracy, and it can agglomerate the droplets in the gas flow. It has stable structure, high fiber strength, no medium fiber falling off, and no pollution to the environment and downstream products. It has good compatibility with various fluids. It has good environmental protection, and it is made of new synthetic material, which can burn completely without residue.

Gas coalescence filter cartridge coalescence filter cartridge

Coalescence filter cartridge natural gas coalescence dehydration filter cartridge gas coalescence filter cartridge

As the primary filter element in the filter separator, coalescence filter element has two functions

1. The dispersed emulsion droplets are aggregated into larger droplets;
2. Filter particulate pollutants.

The coalescing filter core produced by our company is made of foreign advanced special coalescing materials, which can effectively remove impurities such as water, alkali and organic acid salt dissolved in water from oil.







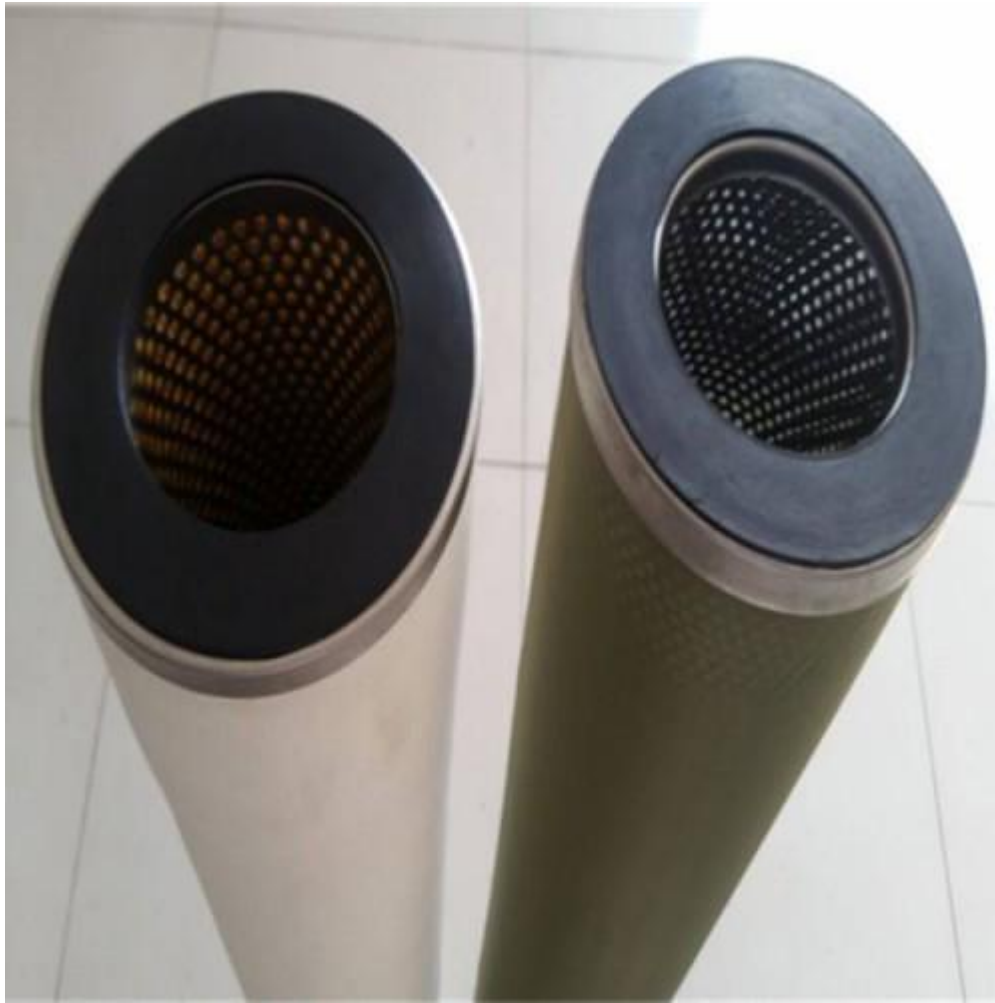
Product advantages:

Glass fiber coalescing filter element has high density gradient glass fiber, which can coalesce liquid mist and droplets in air flow with high filtering accuracy. The structure is stable, there is no medium fiber shedding, and it will not cause pollution to the environment and downstream products.

Jlx-100 * 400 coalescing filter cartridge natural gas coalescing filter cartridge







product details

Coalescence filter element is made of a variety of composite materials by special processing, which has hydrophilic characteristics. It can not only filter the machine drops in the medium, but also further realize the purification of the medium. /

The coalescing filter core mainly uses glass fiber or polyester fiber with surface treatment as coalescing medium. The structure of filter material is specially designed to make the filter medium have good coalescing performance. The filtering precision can reach $0.1 \mu\text{m}$.

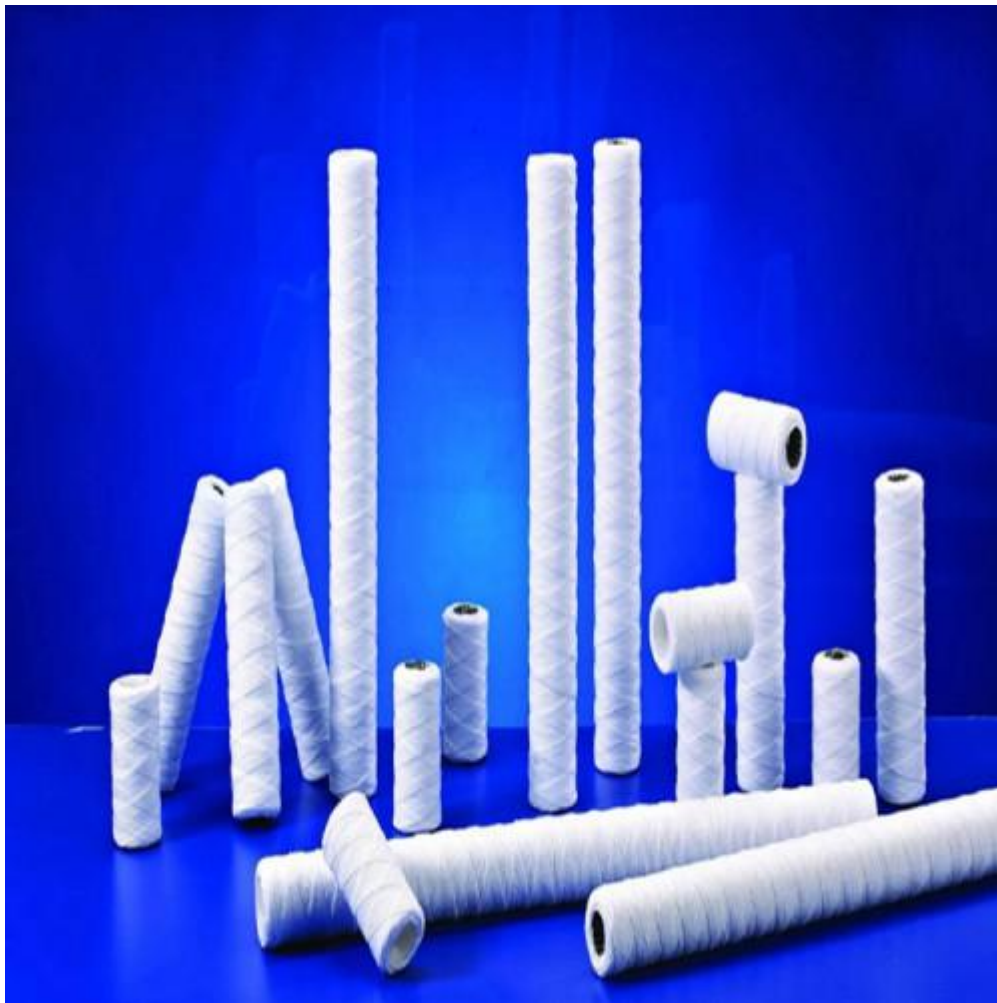
Filtration principle: The droplets of oil, water and other liquids are captured by the microfibers in the coalescer. These microfibers form a zigzag channel for the air flow, forcing the solid particles and liquid droplets to be captured by the microfibers under the three filtration mechanisms of inertial collision, diffusion interception and direct interception. The liquid surface tension makes the small droplets coalesce into larger droplets, Large droplets settle to the bottom of the container.

The glass fiber coalescer filter element is made of high density gradient glass fiber. In order to reduce the damage and leakage, it is designed into a monolithic tube structure. The surface of the filter element is treated

with water and oil drainage, which can meet the requirements of various accuracy levels.

Polyester fiber coalescence filter element is usually made of synthetic polyester fiber, which has good compatibility with various fluids. The filter element is made of multi-layer spiral structure, and each layer is made of fibers with different properties. The expected filtering accuracy can be achieved by controlling the shape, size, thickness and density of each layer of fibers.

Deep filter element PP cotton wound filter element







PP cotton wound filter element is a kind of deep filter element, which is used for filtration of low viscosity and low impurity quality. It is made of textile fiber thread (polypropylene fiber thread, degreasing cotton thread, etc.) which is precisely wound on the porous framework (polypropylene or stainless steel) according to a specific process. The wire wound filter element has a honeycomb structure with sparse outside and dense inside, which can effectively remove suspended solids, particles, rust and other impurities in the fluid, It has excellent filtration characteristics.





Main properties of PP cotton wound filter element:

1. High filtration precision, small pressure difference, large flow rate, large pollutant capacity and long service life;
2. The filtration aperture is small in the inner and large in the outer, which has good deep filtration effect;
3. The wire wound filter element is made of different materials to meet the requirements of various liquid filtration and achieve the filtration effect.

10 μ MPP cotton wound filter element for water treatment







Main properties of PP cotton wound filter element:

1. High filtration precision, small pressure difference, large flow rate, large pollutant capacity and long service life;
2. The filtration aperture is small in the inner and large in the outer, which has good deep filtration effect;
3. The wire wound filter element is made of different materials to meet the requirements of various liquid filtration and achieve the filtration effect.





Main technical performance index:

1. Filtration accuracy: $1\ \mu\text{m}$, $5\ \mu\text{m}$, $10\ \mu\text{m}$, $20\ \mu\text{m}$, $30\ \mu\text{m}$, $50\ \mu\text{m}$, $75\ \mu\text{m}$, $100\ \mu\text{m}$;
2. Outer diameter of wire wound filter element: 60 mm, 65 mm;
3. Inner diameter of wire wound filter element: $\Phi\ 28\text{mm}$, $\Phi\ 30\text{mm}$;
4. PP cotton wound filter element can use non organic solution such as acid and alkali, chemical solution, etc., and the service temperature is $\leq 60\ ^\circ\text{C}$
5. The center rod of degreasing cotton fiber filter core is made of stainless steel, which is used for organic solvent, water, oil, alkaline solution, beverage, medicine, etc. the service temperature is $120\ ^\circ\text{C}$.
6. Length of wound filter element: 10 " , 20 " , 30 " , 40 "
7. Withstand voltage: $\leq 0.5\text{MPa}$; large pressure drop: 0.2MPa .
8. Working temperature: Polypropylene line: Polypropylene skeleton $\leq 60\ ^\circ\text{C}$, stainless steel skeleton $\leq 80\ ^\circ\text{C}$. Degreasing cotton thread: stainless steel skeleton $\leq 120\ ^\circ\text{C}$.

Large flow stainless steel multi bag filter







product details

The large flow stainless steel multi bag filter can hold more impurities, and it is also suitable for the occasions where the filter bag is replaced after a long time of use. Small flow rate of single machine is 50 t / h. Daily maintenance is very convenient.

304 stainless steel, 316 stainless steel and other different materials are provided, suitable for handling all kinds of acid-base liquids, solvents and neutral liquids; high level design specifications are adopted to ensure sufficient supply

The corrosion redundancy and reliability of the system are improved. It is very convenient to replace the filter bag by using the filter bag or filter screen with the size of 01 and 02.

The filter with heating sleeve, pressure less than 10kg and anti-corrosion coating on the inner surface can be provided to meet the requirements of different customers and different occasions.

Smooth fluid pipeline design, less pressure loss, more energy saving;

sealing design, with the ring, to overcome the side leakage of traditional filter.

Inner and outer mirror polishing or sandblasting Matt treatment





Stainless steel bag filter







Product overview

Bag filter is a kind of multi-purpose filter equipment with novel structure, small volume, simple and flexible operation, energy saving, airtight work and strong applicability. Bag filter is a new filtration system. The inner part of the bag filter is supported by a metal basket. The liquid flows in from the inlet and flows out from the outlet after filtering. The impurities are trapped in the bag and can be used after changing the bag.

The operation of the bag filter is simple. When it is used, it only needs to install the filter bag of the required fineness grade in the filter cartridge, check whether the O-ring is in good condition, and then tighten the ring bolt of the filter cartridge cover to put it into operation. After the pump is started, the pressure gauge on the filter rises slightly, and the initial pressure is about 0.05Mpa. With the extension of service time, the filter residue in the cylinder increases gradually. When the pressure reaches 0.4MPa, the cylinder cover should be opened to check the residue in the filter bag, and the filter bag can be replaced to continue to use (the filter bag can be reused after cleaning). The filter pressure is generally adjusted at 0.1-0.3mpa, which can be adjusted through the return pipeline or the return valve on the pump. If the filter pressure is too high,

it will damage the filter bag and the protection net, so special attention should be paid. Main uses: paint, beer, vegetable oil, medicine, chemicals, petroleum products, textile chemicals, photosensitive chemicals, electroplating solution, milk, mineral water, hot solvent, latex, industrial water, sugar, resin, ink, industrial wastewater, fruit juice, edible oil, wax, etc. There are many industrial chains in China, such as low production concentration, low R & D capability of high-end products, low manufacturing technology level of bag filter industry. The trade deficit of import and export continues to expand. The direct consequence of this high-speed shock is the expansion of polarization in brand marketing. The shell of the bag filter cylinder is generally made of stainless steel, and the filter bags of different materials can be selected according to the medium characteristics, temperature and filtering accuracy. See filter element of precision filter for details





PP filter stainless steel security filter 5 μ m security filter







product details

summary

Precision filtration devices (also known as security filters) are mostly made of stainless steel with filter elements (such as PP cotton) inside. They are mainly used after multi-media pretreatment filtration and before membrane filtration equipment such as reverse osmosis and ultrafiltration. It is used to filter the fine substances (such as tiny quartz sand, activated carbon particles, etc.) after multi-media filtration, so as to ensure the filtration accuracy of water quality and protect the membrane filtration elements from the damage of large particles. The precision grade of the filter element in the precision filter device can be divided into $0.5\ \mu\text{s}$, $1\ \mu\text{s}$, $5\ \mu\text{s}$, $10\ \mu\text{s}$, etc. according to different application occasions, different filter precision is selected to ensure the precision of the effluent and the safety of the membrane elements.

PPC, nylon, meltblown and other materials are used as filter elements to remove micro suspended solids and other impurities in water, so that the raw water quality can meet the requirements of reverse osmosis membrane. Process principle

The security filter is a kind of precision filter. Its working principle is to use the $5\ \mu\text{m}$ pore of PP filter element for mechanical filtration. The residual micro suspended particles, colloids and microorganisms in the

water are trapped or adsorbed on the surface and pores of the filter element. With the increase of water making time, the operation resistance of the filter element increases gradually due to the pollution of intercepts. When the water pressure difference between the inlet and outlet reaches 0.1MPa, the filter element should be replaced. The main advantages of security filter are high efficiency, small resistance and easy replacement.

**Stainless steel microporous membrane precision filter compressed air
precision filter**







product details

Microporous membrane precision filter

Structural features

All kinds of coating equipment top cotton filter and frame filter, bag filter, suitable for fine chemical, oil, food and medicine, water treatment and other occasions.

Performance characteristics

- (1) High filtration precision, uniform filter aperture
- (2) It has the advantages of small filtration resistance, large flux, strong sewage interception capacity and long service life.
- (3) The filter material has high cleanliness and no pollution to the filter medium.
- (4) Resistant to acid, alkali and other chemical solvents.
- (5) High strength, high temperature resistance, and the filter element is not easy to deform.
- (6) Low price, low operating cost, easy to clean, filter can be replaced.

[1]

application

It is used for solid-liquid separation of various suspensions. It is suitable for liquid filtration with high environmental requirements and high filtration accuracy. It has a wide range of applications and is suitable

for medicine. Food. Chemical industry. Environmental protection. Water treatment and other industrial fields

Tank material can be divided into FRP tank, carbon steel tank, stainless steel tank, can also be made according to user requirements.

Basic parameters

Filtration capacity t / h: 0.05-20

Filter pressure MPa: 0.1-0.6

Filter specification and number of cores: 1, 3, 5, 7, 9, 11, 13, 15

Filter temperature: 5-55 °C

Characteristics and application of various filter elements: PTFE filter element, he filter element, PP filter element, CN-CA filter element,

Microporous membrane cartridge precision filter gas precision filter







product details

Microporous membrane precision filter

Structural features

All kinds of coating equipment top cotton filter and frame filter, bag filter, suitable for fine chemical, oil, food and medicine, water treatment and other occasions.

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Characteristics and application of various filter elements: PTFE filter element, he filter element, PP filter element, CN-CA filter element,

The filtration accuracy ranges from 0.1 to 60um, and the length is 10; 20; 30 and 40 inches (i.e. 250; 500; 750; 1000mm),

The pressure resistance of the filter element is 0.42 MPa and it can recoil.

There are plug-in type (222, 226 seats) and flat mouth type

Foldable filter features

This machine has the advantages of small volume, light weight, convenient use, large filtering area, low blocking rate, fast filtering speed, no pollution, good thermal stability and chemical stability.

This filter can remove most of the particles, so it is widely used in fine filtration and sterilization process.

The filter cartridge can be equipped with 1 core, 3 core, 5 core, 7 core, 9 core, 11 core, 13 core, 15 core, etc

The length of the foldable filter element is 10, 20, 30, 40 inches

Filter material: polytetrafluoroethylene, polysulfone, nylon, polypropylene, acetate fiber

The filtration pore size is 0.1um, 0.22um, 1um, 3um, 5um, 10um, etc

It is also divided into hydrophobic (suitable for gas) and hydrophilic (suitable for liquid) filter elements, which can be selected according to needs.

Precision filter mainly includes: pa pe microporous precision filter, titanium rod filter, polyethersulfone filter, polytetrafluoroethylene filter, microporous membrane cartridge filter.

Stainless steel security filter





product details

Stainless steel security filter

summary

Precision filtration devices (also known as security filters) are mostly made of stainless steel with filter elements (such as PP cotton) inside. They are mainly used after multi-media pretreatment filtration and before membrane filtration equipment such as reverse osmosis and ultrafiltration. It is used to filter the fine substances (such as tiny quartz sand, activated carbon particles, etc.) after multi-media filtration, so as to ensure the filtration accuracy of water quality and protect the membrane filtration elements from the damage of large particles. The precision grade of the filter element in the precision filter device can be divided into 0.5 μ s, 1 μ s, 5 μ s, 10 μ s, etc. according to different application occasions, different filter precision is selected to ensure the precision of the effluent and the safety of the membrane elements.

PPC, nylon, meltblown and other materials are used as filter elements to remove micro suspended solids and other impurities in water, so that the raw water quality can meet the requirements of reverse osmosis membrane.

Process principle

The security filter is a kind of precision filter. Its working principle is to use the 5 μ m pore of PP filter element for mechanical filtration.

The residual micro suspended particles, colloids and microorganisms in the water are trapped or adsorbed on the surface and pores of the filter element. With the increase of water making time, the operation resistance of the filter element increases gradually due to the pollution of intercepts. When the water pressure difference between the inlet and outlet reaches 0.1MPa, the filter element should be replaced. The main advantages of security filter are high efficiency, small resistance and easy replacement.

Structure and principle

The security filter adopts the shaped filter material. Under the action of pressure, the original liquid passes through the filter material, the filter residue remains on the pipe wall, and the filtrate flows out through the filter material, so as to achieve the purpose of filtration. Structure: filter cloth, filter screen, filter piece, sintered filter tube, wire wound filter element, melt blown filter element, etc. Due to different filter materials, the filtration pore size is also different. Precision filtration is a kind of filtration between sand filtration (coarse filtration) and ultrafiltration. The filtration pore size is generally in the range of 0.5-120 μ M. The same type of filter material can be divided into different specifications according to the size. There are two kinds of wire wound filter element (also known as honeycomb filter element): one is polypropylene fiber polypropylene framework filter element, with the service temperature of 60 °C; the other is degreased cotton fiber stainless steel framework filter element, with the service temperature of 120 °C. Melt blown filter element is a kind of filter material with polypropylene as raw material and melt blown process. Its working temperature is 60 °C. Precision filtration can remove suspended solids, some colloidal substances and small particles in water.