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About Us

LVDA PURIFICATION

Xinxiang Lvda Purification Equipment Co., Ltd. is a technology-based enterprise with technical and economic strength. It mainly produces filtration, separation and purification products, and provides filtration solutions for customers in various industries around the world. Over the past 20 years since the establishment of the factory, the company's employees have many years of production experience. At the same time, they continue to absorb advanced technologies at home and abroad. They have a group of middle and senior technical talents, and have a complete operation system and perfect testing methods for design, development, production, installation and service.

Excellent equipment and first-class technology

The company covers an area of 60,000 square meters and a construction area of 32,000 square meters. It has a lush plant area, modern factory facilities, a professional R&D technical team, and perfect pre-sales and after-sales services team. The company adheres to the concept of "excellent quality, sincere service" and the corporate culture of " satisfying customers and making employees happy", help accelerate the competitiveness of Chinese and foreign customers and contribute to the national industry.

Lead the industry with expertise Achieve expertise with technology

The company now has various general (special) manufacturing equipment, and strictly implements the international quality standard system and industry standard requirements in production. From raw material procurement to product delivery, each link adopts scientific and advanced technical measures to strictly control the manufacturing quality of products.

Global business, sincere service

Our company has always regarded product quality as life, attached importance to scientific and technological progress, and achieved international advanced quality standard. We have independent import and export rights, and have established extensive and friendly cooperative relations with hundreds of companies at home and abroad, winning the praise of users. Our products are sold all over the country and exported to many countries and regions such as North America, Western Europe and Southeast Asia. LVDA Purification Company is willing to work with customers to create a better future!

Advanced manufacturing technology: The company not only independently developed a variety of filter materials and more than 1,000 filter products with its strong technical strength, but also ensured the high standards of each product through a standardized and refined quality management system.

Excellent team and efficient management: Through cooperation with LVDA, we provide you with fast, efficient and reliable technical support and product services, creating more time for you to focus on your core business.

AD-LJ Series Automatic Oil Leaf filter

Production Description

AD-L series series automatic oil leaf filter is developed by our company based on the common problems in solid-liquid separation and filtration in various industries, introducing internationally advanced technologies from the industry. The filter plate is customized with special stainless steel filter mesh; the original oil pressing mechanism , easy operation and convenient for slag discharge. It is suitable for decolorization filtration, clarification filtration, crystallization and other filtering and separation process in the production of oil, chemical, pharmaceutical and other industries. In particular, it solves the problems of cottonseed, rapeseed, castor seed and other machine-pressed crude oils in the oil industry that are difficult to filter and difficult to discharge slag.

Product Features

- ✔ No need for filter cloth or filter paper, greatly reducing the filtration cost.
- ✔ Fully enclosed operation, environmental protection, no material loss.
- ✔ Vibration slag removal greatly reduces the labor intensity of workers and achieves continuous operation.
- ✔ Slag or activated carbon (white clay) filtration or decolorization filtration in liquid can eliminate the shortcomings of traditional filter machines.

Working Principle

The gear oil pump or centrifugal pump pumps the mixed clay liquid from the decolorizing pot or mixing tank into the white soil decolorizing filter tank through the pipeline and fills it. Under the thrust of the pump, the large particles of clay are first intercepted on the surface of the filter screen through circulation to form a filter cake layer. Under the action of the filter cake layer, the fine particles of clay are intercepted to form countless fine channels, which further intercept finer suspended matter and only allow clear liquid to pass through. At this time, filtration begins. During the filtration process, new clay mixture is continuously pumped in to form a new filter cake layer, so that the filter cake will not be blocked. In this way, the material is substantially filtered through the filter cake layer. The clear liquid flows through the internal channel of the screen through the oil outlet nozzle to the oil outlet pipe, and flows to the finished product tank through the pipeline under the thrust of the pump.

- Sealed structure design, environmentally friendly, hygienic and loss-free
- Special filter plate, no need for filter cloth or filter paper, easy to clean and long service life
- Mechanical vibration automatic slag discharge
- Secondary filtration, no residual liquid, clean residue
- Hydraulic seal, easy operation Easier maintenance and lower cost

Technical Parameters

Model	Filter area (m²)	Cylinder diameter (inner diameter) (mm)	Filter spacing (mm)	Inlet (mm)	Outlet (mm)	Overflow port (mm)	Slag outlet (mm)	Height (mm)	Host weight (kg)
AD-LJ-4	4	550	70	DN50	DN80	DN40	DN300	2316	600
AD-LJ-8	8	700	70	DN50	DN80	DN40	DN400	2455	800
AD-LJ-10	10	800	70	DN50	DN80	DN40	DN400	2649	900
AD-LJ-15	15	900	70	DN50	DN80	DN40	DN400	2642	1100
AD-LJ-20	20	1100	75	DN50	DN80	DN40	DN400	2816	1500
AD-LJ-25	25	1100	75	DN50	DN80	DN40	DN400	3006	1550
AD-LJ-30	30	1200	75	DN50	DN80	DN40	DN500	3071	1750
AD-LJ-40	40	1300	75	DN50	DN80	DN50	DN500	3209	2100
AD-LJ-50	50	1400	75	DN65	DN80	DN50	DN600	3394	2700
AD-LJ-60	60	1500	75	DN65	DN80	DN50	DN600	3564	3100
AD-LJ-80	80	1600	80	DN65	DN80	DN50	DN700	3953	3600

Application of AD-LJ Oil Leaf filter machine

Application Field

Petrochemicals: polyether, diesel, lubricating oil, white oil, transformer oil;
Oils: crude oil, bleaching earth, hydrogenated oil, winterized oil, stearin, fatty acids, etc.;
Pharmaceuticals: hydrogen peroxide, vitamin C, glycerol, etc.;
Organic chemicals: various organic acids, alcohols, esters, benzene, aldehydes, etc.;
Mineral oil and base oil: dibutyl ester, dioctyl ester:
Food: gelatin, salad oil, starch, sugar juice, monosodium glutamate, milk, vinegar, etc.;
Coating: varnish, resin paint, dye, 685 varnish, etc.;
Inorganic chemicals: bromine water, potassium cyanide, fluorite, etc.

Slagging Process

As the amount of bleaching clay mixture filtered increases, the filter cake layer becomes thicker and thicker, the filtration resistance increases, and the pressure in the tank rises. When the pressure gauge on the top of the filter shows 0.4Mpa, stop feeding the bleaching clay mixture into the filter tank, turn on the air compressor, and input air into the filter tank through the pipeline via the overflow port. Under the action of air pressure, the oil in the filter cake is gradually pressed out and returned to the decolorization pot or mixing tank through the pipeline. After about 30 minutes, the filter cake is squeezed dry and the air input into the filter is stopped. When the pressure gauge on the top of the filter shows 0, open the butterfly valve, start the vibrator, and start discharging slag. When the slag is completely discharged, close the butterfly valve and all valves to start the next round of filtration.


Diesel filtration effect


White clay residue after diesel bleaching


Oil inlet (crude oil before filtration)


Oil outlet (oil after filtration)

Customer Site


White mineral oil decolorization filtration


Base oil decolorization filtration


Diesel decolorization filtration


Organic chemical decolorization filtration


Paraffin oil decolorization filtration


Animal oil decolorization filtration

GOOD PRODUCTS PROVE THEMSELVES WITH DETAILS

Oil Leaf filter VS traditional filter

Oil Leaf filter	Performance	Traditional filter
Uses special stainless steel composite woven filter, which is corrosion-resistant, easy to clean, and has a long life. It can be used continuously for several years with low maintenance cost.	Core filter element	The traditional filter cloth is easy to clog, difficult to clean, short life, needs to be replaced every 3-5 days, and has high maintenance cost.
The filter is cleaned once a month (depending on the material characteristics), and the filter does not need to be replaced within 3 years of normal use.	Cleaning cycle	The filter cloth is cleaned once after filtering, and a new batch of filter cloth is replaced every 3-5 days.
This equipment is a one-time investment, and the subsequent maintenance cost is only 30USD per year to replace the filter seal.	Maintain finished product	The filter cloth needs to be replaced regularly, which will incur certain costs of about thousands of dollars a year.
Open the butterfly valve, start the vibration slag discharge device, vibrate and clean, no manual slag cleaning, and it takes only a few minutes.	Dregs removal	Each cleaning takes about 1-2 hours, and at least two employees are required. It is conceivable that the management cost of one machine and two employees a year is at least thousands of dollars.
Pipeline connection, full-rate closed filtration, product pollution-free, no volatilization, no loss, quality guaranteed, and no danger of flammable materials.	Safety	Open-air filtration makes the product easy to be contaminated and lost again, which not only reduces the profit, but also poses a safety hazard due to the flammability problem.

To sum up: the Oil Leaf filter is not only humane and intelligent, but also safe and reliable, and can create more profit value for the enterprise.

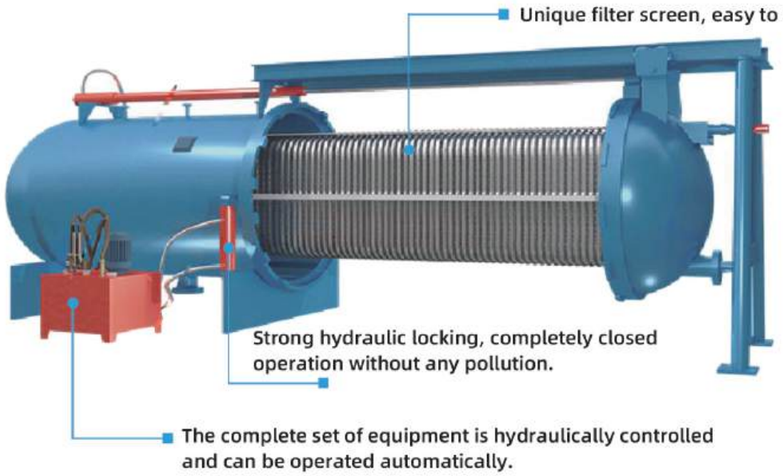

Oil Leaf filter and work site and environment


Traditional filter and work site and environment

AD-LJ Series Horizontal Pressure Leaf filter machine

Production Description

AD-series horizontal pressure leaf filter is a high-efficiency, energy-saving, automatic closed filtration precision clarification equipment. It is widely used in chemical, petroleum, food, pharmaceutical and other industries.



Product Features

- Completely enclosed filtration, no leakage, no environmental pollution.
- Double-sided filtration, large filtration area, large slag capacity.
- Hydraulic control to achieve automatic operation.
- The filter plate is automatical pulling out structure,easy for observation and cleaning.
- Vibration slag removal, reducing labor intensity.
- The equipment can be made into a large-capacity and large-area filtration system.

Scope of application

Oils and fats: crude oil, bleaching clay, hydrogenated oil, winterized oil, stearin, fatty acids, etc.

Food: gelatin, vinegar, starch, sugar juice, sweet water, etc.

Minerals: coal dust, coal slag, etc.

Petrochemical products: diesel, lubricating oil, paraffin, mineral oil caustic soda, sulfur products, etc.

Technical Parameters

Area series (m^2)	Diameter series (mm)	Working pressure (Mpa)	Working temperature (℃)	Processing capacity ($T/h \cdot m^2$)		
				Grease	Resin	Beverage
5、10、15、20	9,001,000	0.4	150	1~6	2.5~15	5~30
25、30、35、40、45	12,001,300			5~13	12~39	24~78
50、60、70、80、90	1400,1500,			10~55	25~165	50~230
100、120	1600,1800,			20~72	50~180	100~360

Note: The above parameters are for reference only

AD-ZB Series Horizontal plate leaf filter machine

Production Description

AD-ZB Series horizontal plate leaf filter machine is a high efficiency, energy-saving, precise clarification and filtration, closed operation solid-liquid separation equipment. It is widely used in chemical petroleum, food, oil, pharmaceutical and other industries. The filter is composed of several horizontally placed filter plates with filter paper sandwiched in the middle in a closed cylinder. It relies on filter paper as the filter medium and performs pressurized filtration in a closed container. During filtration, the filtrate is sent into the filter body by the delivery pump, enters the space between the two filter plates along the small holes on the outer circumference of the filter plate, passes through the filter paper and the porous support plate, flows into the center channel of the filter plate, and flows out from the discharge port at the bottom of the body. After filtration, the residual pressure in the filter is squeezed out by compressed air. This machine is a precise clarification and filtration equipment. Filter papers of different microns can be selected to obtain filtrates of different microns.

Application scope

- Paints and varnishes: resins, varnishes, dyes, lacquers, etc.
- Organic chemicals: various organic acids, alcohols, aldehydes, etc.
- Beverages: beer, juice, wine, milk, etc.
- Medicines: hydrogen peroxide, vitamins, etc.
- Petrochemical products: diesel, lubricating oil, paraffin, etc.
- Inorganic chemicals: bromine water, potassium fluoride, fluorite, etc.
- Food: grease, dewaxing, decolorization, degreasing, vinegar, sugar juice, sweet water, etc.
- Others: air and water purification, etc.

Technical Parameters

Model	Diameter of cylinder (mm)	Working pressure (Mpa)	Working temperature (℃)	Filtration area (m^2)	Inlet and outlet diameters	Processing capacity (t/h)	Overall dimensions (mm)
AD-ZB-1.5	400	≤0.3	≤150	1.5	DN50	2	550x975
AD-ZB-3	600			3	DN50	4	900x1700
AD-ZB-5	800			5	DN50	7	1100x1800
AD-ZB-7	800			7	DN50	10	1100x2050
AD-ZB-10	900			10	DN50	13	1200x2000
AD-ZB-12	900			12	DN50	15	1200x2150
AD-ZB-15	900			15	DN50	18	1200x2400

AD-XT Automatic Pressure Leaf filtertion System

Production Description

The AD-XT Automatic pressure leaf filtertion system is a complete filtration system composed of the AD-LJ-A automatic slag oil leaf filter (or AD-LJ-B automatic slag oil leaf filter) and some auxiliary equipment such as mixing tanks, transfer pumps, pipelines, valves, and electrical controls.

The integrated design eliminates the trouble of tedious installation in all aspects. The overall compatibility and applicability are considered at the beginning of the system design. After the overall design, debugging, and operation, better results are obtained, thus effectively ensuring the overall performance and stabiAD-XT Automatic pressure leaf filtertion system.

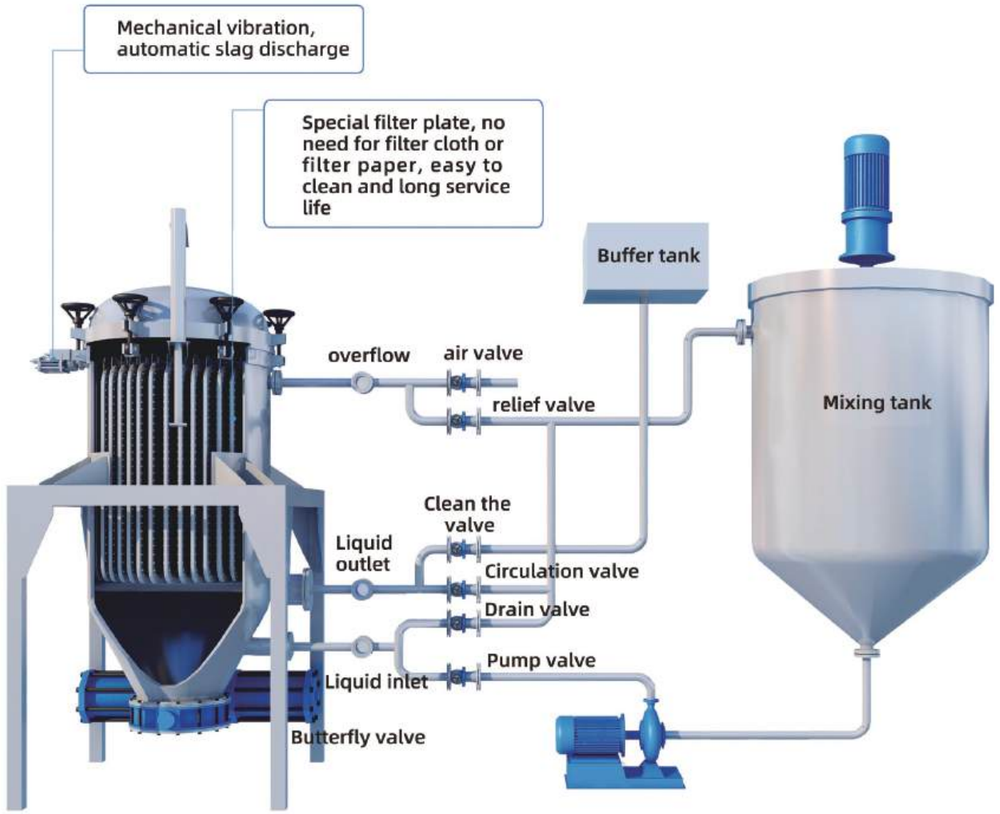
Product Features

- ✔ Sealed barrel shape, small footprint
- ✔ Built-in stainless steel special synthetic filter plate, non-stick, non-clogging and durable
- ✔ Sealed filtration throughout the process, no environmental pollution, no loss

Performance Advantages

1. Pre-coated film with high precision (comparable to ceramic membrane filtration). High permeability and fast filtration speed.
2. Pipe valve connections are designed with PLC intelligent control to achieve full self-understanding and eliminate the need for manual management.
3. Compared with ceramic filtration, the maintenance cost is almost zero. The special stainless steel filter plate is easy to clean and resists weak acid corrosion. Therefore, the service life is relatively long, and the operation time is 3-5 years or even longer.

Demonstration diagram of filtration system



Bag filter housing

Production Description

Bag filter is a multi-purpose filtration equipment that is exquisite, energy-saving, efficient, airtight and highly practical. It mainly consists of filter cylinder body, filter cylinder cover and quick-opening structure, stainless steel filter cylinder and other main components. It has many advantages such as reasonable structure, good sealing, strong circulation and simple operation. In particular, the probability of side leakage of the filter bag is small, which can correctly ensure the filtration accuracy, and the filter bag can be replaced quickly, which reduces the operating cost. The inner and outer surfaces of the filter cartridge are mechanically sandblasted and polished, which is uniform and easy to clean. Filter bags of different materials and precision can be used for different filtrate and impurity particles. It is very convenient to replace the filter bag, and there is basically no material consumption.

Working Principle

The bag filter is a pressure filtration device. The filtration method adopted is the side -in and side-out method. The side-in and bottom-out method can also be used to press the filtered liquid medium into the bag filter cylinder through the pressure of the pump. In the body, the filtrate to be filtered enters the filter bag from the liquid inlet, and impurity particles are trapped in the filter bag to achieve the filtration effect.

Usage Advantage

1. The bag filter has compact structure and reasonable size. It is easy to install and operate, and occupies a small area.
2. The bag filter has high filtration precision and is suitable for filtering fine particles or suspended matter. The filtration range can reach 0.5-200 microns.
3. The processing flow per unit filtration area is large, the filtration resistance is small, and the filtration effect is high. The filtration function of a liquid filter bag is 5-10 times equivalent to that of a filter element, which can greatly reduce costs. The design flow rate can meet the requirements of 1-500M3/H.
4. Bag filters are widely used and can be used for coarse filtration, intermediate filtration or fine filtration. Under the condition of achieving the same filtration effect, it has the advantages of low investment cost, long service life and low filtration cost compared with plate and frame fine filters, cartridge filters and other equipment.
5. It is convenient and quick to replace the filter bag, saving labor and time.

Application Field

Edible oil, paint, beer, medicine, chemical industry, milk, mineral water, hot melt latex, industrial water, sugar water, resin, ink, industrial wastewater, juice wax, etc.

Filter Bag Material Category

Technical Parameters

Model	Filter area (m²)	Inlet diameter (mm)	Highest speed (m³/h) (Viscosity = 1mPa·s)	Highest working pressure (MPa)	Highest working temperature (°C)	Nominal filter ratings (μm)
ADB-1P1S	0.25	DN40	10	1.0	PP material filter bag, NBR seal (80C°) PE material filter bag, NBR seal (90C°) PTFE material filter bag, Viton seal (180C°)	1、5、10、15、26、40、50、60、75、80、100-1200
ADB-1P2S	0.5	DN50	20			
ADB-2P1S	0.5	DN50	20			
ADB-2P2S	1	DN65	40			
ADB-4P1S	1	DN65	40			
ADB-4P2S	2	DN80	80			
ADB-6P2S	3	DN100	120	0.6		
ADB-8P2S	4	DN125	160			
ADB-10P2S	5	DN150	200			
ADB-12P2S	6	DN200	240			
ADB-14P2S	7	DN250	280			
ADB-16P2S	8	DN300	320			
ADB-20P2S	10	DN300	400			

Filter cartridge filter housing

Production Description

Filter cartridge filter housings are available in a full range of specifications from single element to 100 elements, suitable for installation of filter elements with lengths ranging from 4'' to 40''. They are made of 304 and 316 stainless steel and are equipped with filter elements of different lengths, precisions and models, such as 20'', 30'', 40'', 50'' and 60'', to meet the different needs of customers.

Structural characteristics

The unique internal design of Filter cartridge filter housing makes it suitable for installing both double opening filter elements (DOE) and single opening 222 filter elements (SOE).

- ✔ Specifications include 3 elements, 5 elements, 7 elements, and filter element length up to 40
- ✔ Clamp quick opening design, simple switch, easy operation and maintenance
- ✔ Maximum operating pressure: 10 bar
- ✔ Maximum operating temperature: 160 degrees Celsius
- ✔ Filter material: Made of various materials such as stainless steel 304, stainless steel 316L or carbon steel
- ✔ Inlet and outlet: 2 "NPT cable connection, or ANSI, JIS, DIN flanges are available
- ✔ Seal material: NBR, EPDM (standard), fluororubber, polytetrafluoroethylene, etc. are available
- ✔ Surface treatment: sandblasting, mechanical polishing, electropolishing are available

Scope of application

Widely used in various industrial fields such as electronics, semiconductors, chemicals, pharmaceuticals, food, beverages, paints, papermaking, automobile manufacturing, inks, resins, water treatment, etc.

Technical Parameters

model	Theoretical flow (water)	Barrel diameter	Equipment height	Inlet /Outlet diameter
ADLX10-1	0.1-0.3	102mm	500mm	25-32DN
ADLX20-1	0.3-0.5	102mm	750mm	25-32DN
ADLX30-1	1.2	102mm	1000mm	25-32DN
ADLX40-1	1.5	102mm	1250mm	25-32DN
ADLX10-3	1 .2	160mm	650mm	25-40DN
ADLX20-3	1.5	160mm	900mm	25-40DN
ADLX30-3	3.6	160mm	1150mm	25-40DN
ADLX40-3	4.5	160mm	1400mm	25-40DN
ADLX20-5	2.5	200mm	900mm	25-50DN
ADLX30-5	6	200mm	1150mm	25-50DN
ADLX40-5	7.5	200mm	1400mm	25-50DN
ADLX20-7	3.5	230mm	900mm	25-50DN
ADLX30-7	8.4	230mm	1150mm	25-50DN
ADLX40-7	10.5	230mm	1400mm	25-50DN
ADLX20-9	4.5	300mm	900mm	25-50DN
ADLX30-9	10.8	300mm	1150mm	25-50DN
ADLX40-9	13.5	300mm	1400mm	25-50DN
ADLX20-12	6	300mm	900mm	25-50DN
ADLX30-12	14.4	300mm	1150mm	25-50DN
ADLX40-12	18	300mm	1400mm	25-50DN
ADLX20-15	7.5	300mm	900mm	25-65DN
ADLX30-15	18	350mm	1150mm	25-65DN
ADLX40-15	22.5	350mm	1400mm	25-65DN
ADLX30-20	24	400mm	1150mm	25-65DN
ADLX40-20	30	400mm	1400mm	25-65DN
ADLX30-25	30	450mm	1150mm	50-80DN
ADLX40-25	37.5	450mm	1400mm	50-80DN
ADLX30-30	36	500mm	1500mm	50-80DN
ADLX40-30	45	500mm	1750mm	50-80DN
ADLX30-35	42	550mm	1500mm	50-100DN
ADLX40-35	52.5	550mm	1750mm	50-100DN
ADLX30-40	48	600mm	1500mm	50-100DN
ADLX40-40	60	600mm	1750mm	50-100DN
ADLX40-60	90	700mm	1750mm	50-100DN
ADLX40-80	120	800mm	1750mm	50-100DN
ADLX40-100	150	900mm	1750mm	50-125DN

Note: The above parameters are for reference only and can be designed and customized according to specific working conditions.

Scraper self-cleaning filter housing

Production Description

The ADGD series scraper self-cleaning filter housing uses a reduction motor to drive a scraper to remove impurities intercepted by the filter element. It is a precision device that protects the normal operation of other equipment in the system. It can filter continuously online as a single machine, does not produce filter consumables, and does not require manual cleaning. Water enters the self-cleaning filter body from the water inlet and is controlled by advanced intelligence (LOGO, PLC). According to the pressure difference and time, the cleaning and sewage discharge functions can be automatically turned on, with a high degree of automation. The ADGD series scraper self-cleaning filter housing overcomes many shortcomings of traditional filtering products, such as small dirt holding capacity, easy clogging by dirt, the filter part needs to be disassembled and cleaned, and the filter status cannot be monitored. When the fully automatic self-cleaning filter is filtering, the intercepted impurities are scraped off by a scraper, and the impurities are deposited in the collection chamber, and the sewage is discharged manually or automatically. It covers various filtering accuracy requirements from 30um-1000um, providing customers with first-class services.

Working Principle

Filtration: The liquid to be filtered enters the filter through the liquid inlet. During the filtration process, impurities in the water accumulate on the stainless steel filter screen, and the inner impurities gradually accumulate, resulting in a pressure difference between the inside and outside. The pressure difference switch is used to monitor the pressure difference between the inlet and outlet;

Cleaning: When the pressure difference reaches the set value, the automatic cleaning process will be started; theelectronic control system gives a signal, the motor starts working, and drives the scraper to rotate and scrape off impurities;

Drainage: After a certain period of time, the drain valve opens and starts draining. The drainage time is set according to the amount of impurities and the value of the filtrate.

Pneumatic scraper filter

Scraper self-cleaning filter

Technical Parameters

Model	A (mm)	B (mm)	C (mm)	D (mm)	Inlet/Outlet diameter	Sewage outlet size	Reference flow (m^3/h)
ADGD-300	1690	265	640	300	DN50	DN50	80
ADGD-350	1720	265	660	350	DN80	DN50	100
ADGD-400	1760	265	680	400	DN100	DN50	150
ADGD-500	1860	290	715	500	DN200	DN80	200
ADGD-600	1930	290	755	600	DN250	DN80	300
ADGD-700	2040	335	755	700	DN300	DN100	480
ADGD-800	2105	335	770	800	DN350	DN100	600
ADGD-1000	2220	335	800	1000	DN400	DN100	800
ADGD-1200	2360	365	825	1200	DN500	DN100	1000

Candle filter housing

Production Description

ADZ series candle filter is a precision clarification equipment with high efficiency, energy saving, automatic closed filtration, with the following characteristics:

- ✔ Completely closed filtration, no leakage, no environmental pollution.
- ✔ The filter element design adopts a duplex structure, with a wide range of applications and good filtration effect.
- ✔ It can achieve one-time complete filtration.
- ✔ The filter cake can be washed and dried to obtain the maximum economic benefit.
- ✔ The slag is discharged cleanly and quickly by gas backblowing, which is suitable for a variety of viscous materials.
- ✔ The entire filtration can be fully automated.

Scope of application

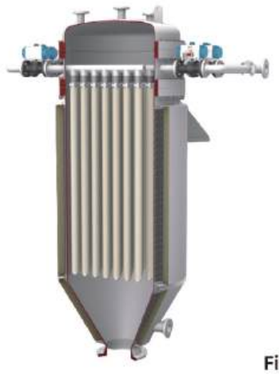
Filtration, adsorption and recovery of solids such as metal catalysts and zeolites in fine chemicals, plastics, fuels, electroplating, grease, lubricants, ceramics, glass, chlor-alkali industry, pharmaceuticals and other industries.

Technical Parameters

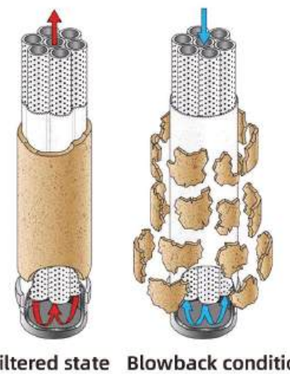
Area series	Barrel diameter series (mm)	work pressure (Mpa)	working temperature (°C)	Nominal filtration accuracy (μm)
0.25-100	Φ800、Φ1200、Φ300、Φ400、Φ1000、Φ1400、Φ500、Φ600、Φ1600、Φ1800	0.4	120 The working temperature is related to the applicable filter material	1、5、10、15、25、40、50、65、75、80、100、120、160、180、200

Note: The above parameters are for reference only and can be designed and customized according to specific working conditions.

Sketch Map



Filtered state



Blowback condition

ADH Mixed oil Leaf filter machine

Production Description

The mixed oil leaf filter machine is a mechanical device used to filter the warm oil obtained after leaching vegetable oils. After filtration, the meal content in the mixed oil is greatly reduced, the effect of rational oil evaporation is improved, and it has a significant effect on the improvement of crude oil quality and the comprehensive utilization of by-products.

Compared with other mixing and filtering devices, the design of this equipment has the following advantages:

Compact structure, good filtering effect.

The impurity content of the mixed oil after filtering is about 0.2%;

Mixed oil filtration enables continuous operation.

The equipment is not easy to block, easy to disassemble, and has low labor intensity;

Effectively avoid evaporator and steam purifier scale and flooding caused by high impurity content in mixed oil;

It improves the quality of extracted crude oil and provides prerequisites for extracting phosphate tires from plants.

Structural characteristics

ADH mixed oil lerf filter machine is supported by a horizontal circular cylinder with left and right heads. There are several circular filter plates in the cylinder, which are fixed on a hollow shaft. The filter plates rotate with the hollow shaft. A set of several solvent nozzles are installed on the horizontal cylinder to clean the filter plates irregularly. A filter residue collection bucket is set at the bottom of the cylinder, and the filter residue is returned to the extractor through the ZW self-priming sewage pump. The mixed oil inlet and free gas outlet are set at the top of the cylinder. The hollow shaft is driven to rotate by a chain transmission device. The clean mixed oil after filtration is collected in the hollow shaft and pumped out by the pump through a rotary joint.

Technical Parameters

Model	Leaching capacity (t/d)	Power (kw)	Spindle speed (rpm)	Slag pump model	Overall dimensions	Filter area (m^2)	Machine weight (kg)
ADH15	30	2.2 Explosion-proof type	10	32ZW-10-20	2430x1800x1800	5	1750
ADH20	50-100	2.2 Explosion-proof type	10	40ZW-15-20	2430x2000x2000	20	2080
ADH25	100-150	2.2 Explosion-proof type	10	40ZW-15-20	2430x2000x2000	25	2450
ADH30	200-300	3.0 Explosion-proof type	10	50ZW-15-20	2790x2000x2000	30	2450
ADH40	400-600	4.0 Explosion-proof type	10	60ZW-30-20	2830x2200x2200	40	3560
ADH60	600-800	4.0 Explosion-proof type	10	65ZW-30-20	2830x2260x2260	60	4000

Customer Case