

设备/金属烧结过滤器材专业



We are the earliest professional engaged in metal sintering filter equipment research and development and manufacture of one of the production enterprises, the company has international advanced production equipment, technology and perfect quality testing system, as well as the many years to develop a specialized is engaged in the design and manufacture of vacuum sintering and filter material technical team, product quality has reached the international technical standard products of the same period.

The main products are stainless steel metal mesh products, stainless steel fiber sintered felt products, metal powder sintered filter products and various industrial filter products. Products are widely used in petrochemical, metallurgy, pharmaceutical, water treatment, food, environmental protection, machinery and other industries in the field of filtration and separation.

We have always been adhering to the "down-to-earth, pioneering and innovative" work spirit, constantly improve the quality of products, constantly improve the quality of services, and are willing to work with colleagues from all walks of life to jointly promote the progress and development of the filtration and purification industry.

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无护网烧结毡

The **sintered fiber felt** is made of extremely fine stainless steel fiber (accurate to micron in diameter) through non-woven shop, laminated and sintered at high temperature. The finished felt is formed by the pore gradient of different pore sizes, which can be controlled to obtain high filtration accuracy and larger pollutant absorption. It has the characteristics of three-dimensional network, porous structure, high porosity, large surface area, uniform I-diameter distribution, and can continuously maintain the filtering function of the filter surface. Due to the above structure and features, made of stainless steel sintering felt can effectively make up for the metal net wall, delicate weaknesses, to make up for the powder filter product is fragile, small flow rate is insufficient, has the common filter paper, filter cloth can't match the characteristics of heat resistance, compression, and sintered stainless steel fiber felt is ideal for high temperature resistance, corrosion resistance, high precision of filter materials.

Size: 1000mm×500mm,
1000mm×600mm,
1000mm×1000mm,
1200mm×1000mm ;
1480mm×1000mm ;

Material: SUS316L ;
The size can be made according to request

USE :

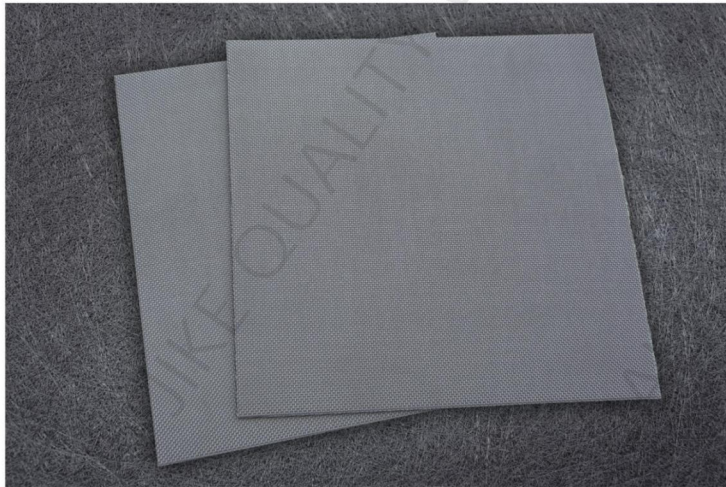
1. Large pollution absorption capacity, high filtration accuracy, slow pressure rise, long replacement cycle
2. High porosity and excellent permeability, low pressure loss and high flow
3. Corrosion resistance, high temperature resistance, acid resistance, alkali resistance, organic solvents, drugs, etc., can be used in 480°C environment for a long time;
4. Easy to process, shape and weld;
5. According to user requirements, we can produce reinforced, thickened, protected nets and other specifications.

Product application:

Stainless steel sintering felt excellent filtering performance, is ideal for high temperature resistance, corrosion resistance, high precision of filtering material, is widely used for polymer filtration, petroleum chemical industry, electronic high temperature gas dust removal, the refining process of filtration, viscose, ultra filter, filter, vacuum pump protection filter, filter membrane support body, catalyst carrier, automotive airbags, fuel filter, such as plane ship hydraulic system to filter

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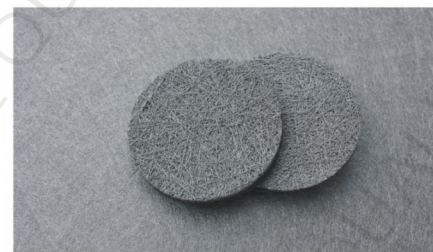


护网烧结毡

产品规格及技术参数：

产品规格 μm(c)	过滤精度 μm(c)	气泡点压力 (pa)		透气度 L/(min.dm ²)		孔隙度 (%)		纳污容量 (mg/cm ²)		厚度 (mm)		断裂强度 (Mpa)	
		基本值	偏差	基本值	偏差	基本值	偏差	基本值	偏差	基本值	偏差	基本值	偏差
SJZ5	5	6800		47		75		5.0		0.30		32	
SJZ7	7	5200		63		76		6.5		0.30		36	
SJZ10	10	3700		105		75		7.8		0.37		32	
SJZ15	15	2450		205		79		8.6		0.40		23	
SJZ20	20	1900	+10%	280	+10%	80	+10%	15.5	+10%	0.48	+10%	23	+10%
SJZ25	25	1550		355		80		19.0		0.62		20	
SJZ30	30	1200		520		80		26.0		0.63		23	
SJZ40	40	950		670		78		29.0		0.68		26	
SJZ60	60	630		1300		85		36.0		0.62		28	

注：1. 过滤精度和纳污容量的测定按GB/T18853-2002中规定进行。
2. 气泡点压力的测定按GB/T5249中规定进行。
3. 透气度的测定按GB/T5453中规定进行，压差为200Pa，介质为空气。
4. 断裂强度的测定按GB/T228中规定进行。



Product introduction:

Fe-Cr-Al fiber felt is a kind of metal fiber sintered felt with long service life, environmental protection and energy saving, high temperature resistance, deformation resistance, no carbon accumulation, good toughness, foldable and uniform aperture distribution. It is widely used in automobile tail gas treatment, burners, boiler modification, gas air conditioning, glass annealing, food baking, oven, heater, coating paper industry, drying industry and other fields.

High temperature dedusting series: tieling aluminum dedusting filter cylinder is a new filter material which can withstand high temperature in the true sense, suitable for bad environment and good filtering effect. The maximum temperature resistance of the stainless steel filter cartridge is no more than 30(rc), and the applicable temperature of the stainless steel filter cartridge is no more than 450. The tigmingal filter cylinder has a high suitable temperature up to about 90(rc). The filter material of tiemingal filter barrel is made of tiemingal fiber by a special process after being loosened by a loosing machine, and then sintered by a vacuum sintering furnace. As it is of a deep labyrinth structure, the filtration effect is excellent. Suitable for steel, electricity, garbage incineration and other harsh dust removal high temperature environment.

Purification series: iron luo aluminum fiber sintered felt is widely used in chemical industry and euro 4 standard diesel car exhaust emission loading louse Fe - Cr - Al alloy porous body position three-dimensional junction network structure. With a diameter of 0.1mm and a porosity of 85%, they are the leading choice of catalyst carrier materials to be used in public order.

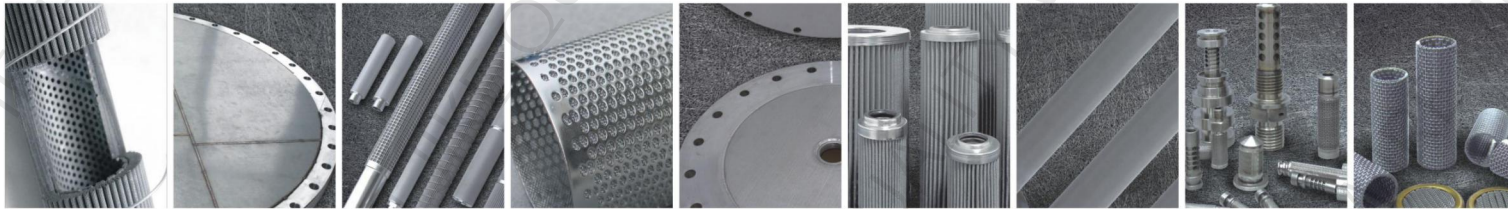
Product features and features:

1. High temperature 120°C;
2. Strong cold and heat shock capacity;
3. No water absorption;
4. Minimal thermal inertia;
5. Combustion complete radiation;
6. Long service life.

Product size:

1. Standard material : Fe-Cr-Al
2. Size :
500x500mm,
500 x1000mm;
3. Special specifications can be supplied according to request

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烧结网

标准五层烧结网
六层烧结网
冲孔板复合烧结网
多层金属烧结网

Standard five layer sintering wire mesh
Six layer sintered wire mesh
Punched plate composite sintered mesh
Multilayer metal sintered mesh

烧结毡

无护网烧结毡
护网烧结毡
铁铬铝纤维烧结毡

Sintered fiber felt without protection mesh
Sintered fiber felt with protection mesh
Fe-Cr-Al fiber felt

粉末烧结滤芯

不锈钢粉末烧结滤芯
铜粉烧结滤芯

Stainless steel powder sintering filter
Copper powder sintering filter

行业应用

化纤熔体用过滤芯
制药机械网滤芯
化工过滤用滤芯
水处理设备用滤筒
高炉喷煤用流化板

钢厂电厂用滤芯
高温除尘滤筒
煤矿用液压滤芯
阀体微型滤芯

Industrial application :

Chemical fiber flame body filter element
Pharmaceutical machinery screen filter plate
Chemical filter element
Filter cylinder for water treatment equipment
Blast furnace coal injection fluidized plate
Filter for steel plant
High temperature dust removal cartridge
Hydraulic filter element for coal mine
Miniature filter element in valve body

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Good strength, good rigidity: with high mechanical strength and compressive strength, good processing, welding and assembly performance, easy to use;The accuracy is uniform and stable: all the filtration accuracy can achieve uniform and consistent filtering energy, and the mesh does not change in use;Widely used environment: it can be used for filtration in temperature environment of -200°C ~ 600°C and in acid and alkali environment.Excellent cleaning performance: good cleaning effect against the current, can be used repeatedly, long life (can be used against the current water, filtrate, ultrasonic, dissolving, baking and other methods).

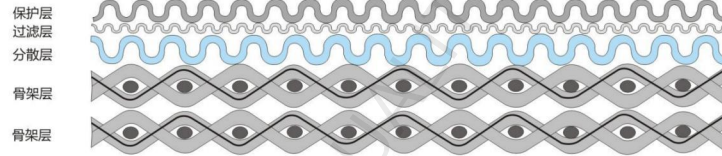


标准五层烧结网

The standard five-layer sintered mesh structure is composed of four parts: protective layer, filtration layer, dispersion layer and skeleton layer. The filter material not only has uniform and stable filtration accuracy, but also has high strength and rigidity. It is an ideal filtering material for occasions with high compressive strength and uniform filtration accuracy. Because its filtration mechanism is surface layer filtration, and the mesh channel is smooth, so it has excellent reverse washing regeneration performance, can be used repeatedly for a long time, especially suitable for continuous and automatic operation process, is any kind of filtering material can not be compared. The material is easy to shape, process and weld, and can be easily added into various types of filter elements such as round, tubular, conical and corrugated.



结构图

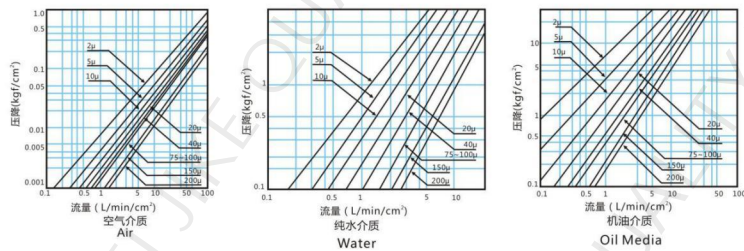


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1. Good strength and rigidity: high mechanical strength and compressive strength, good processing, welding and assembly performance, easy to use;
2. Uniform and stable accuracy: all filtration accuracy can achieve uniform and consistent filtering performance, and it is changed in medium net holes;
3. Widely used environment: it can be used for filtration in temperature environment of -200° c-600 °C and acid and base environment;
- 4 good cleaning performance: good effect of counter-current cleaning, can be used repeatedly, long life (can use counter-current water, filtrate, ultrasonic, melting, baking and other methods to clean).

产品压降流量特性：



产品规格及技术参数：

型号	名义精度 (μm)	绝对精度 (μm)	透气度 (L/min·dm²)		冒泡压力(pa)	
			基本值	偏差	基本值	偏差
sJw1	1	6-7	73		6150	
sJw2	2	8-9	91		4930	
sw5	5	11-13	96		4460	
sJw10	10	16-18	149		3530	
sJw15	15	24-26	153		3330	
sJw20	20	28-32	309		2330	
sJw25	25	34-36	343	±15%	2050	±15%
sJw30	30	40-45	193		1780	
sJw40	40	50-55	417		1260	
sJw50	50	71-80	420		1050	
sJw70	70	86-95	532		1030	
sJw100	100	110-120	497		880	
sJw150	150					
sJw200	200					
sJw300	300					

注：过滤性能为参考数据，订货以检验合格为准。
常用材质：SUS304、SUS316L；规格尺寸：1000mm*500mm、1000mm*600mm、1000mm*1000mm、1200mm*1000mm、1200mm*1200mm；过滤精度为：1~300um；特殊材质（哈氏合金、蒙乃尔合金、904L等）尺寸可根据需方要求供货。

六层烧结网

产品介绍：

Six layer sintered metal mesh, is made of stainless steel wire mesh six layer specially laminated, through vacuum sintering and has high strength and rigidity of the whole of a new type of filtration materials, its between the layers of screen mesh crisscross each other, form a uniform and ideal filter structure, has high filtration precision, filter, small resistance, good mechanical strength, wear resistance, heat resistance, cold resistance and good processability, etc. The filter with high compressive strength and uniform filtration accuracy is ideal, and is widely used in the food and pharmaceutical industries, especially in the two-in-one and three-in-one pharmaceutical equipment.

产品特性：

1. After the standard five-layer mesh, add a layer of 8-mesh or 12-mesh square hole mesh to form a six-layer sintered mesh. Compared with the standard five-layer net, it has better ferret and shunt performance.
2. High strength: high mechanical strength and pressure resistance;
3. High precision: even the filtration accuracy of 1~300pm can bring into play the uniform surface filtration performance;
4. Heat resistance: for continuous filtration from -200°C ^ 650°C;
5. Cleaning property: the surface filtration structure with excellent reverse cleaning effect makes cleaning simple.

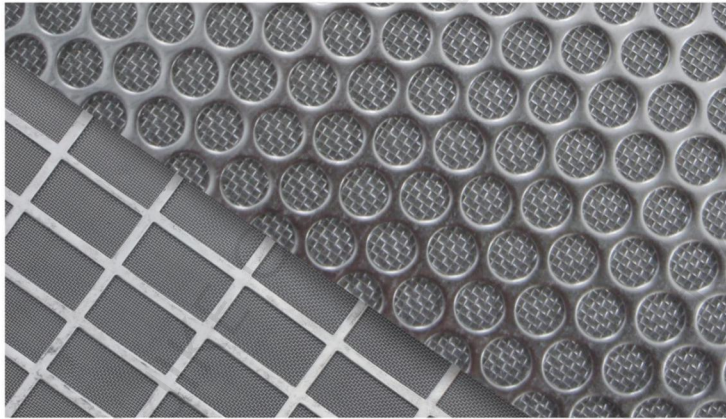
产品规格尺寸：

Material: SUS304、SUS316L;
Size: 1000mm*500mm、1000mm*600mm、1000mm*1000mm、1200mm*1000mm、1200mm*1200mm;
Filtering : 1~300um;
Other material (Monel, 904L ect) and size can be made according to request



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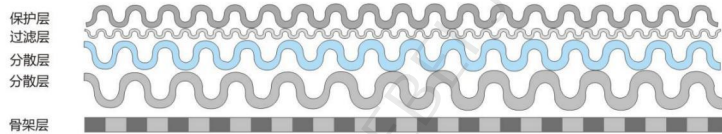


冲孔板复合烧结网

This is a new filter material, which is composed of a standard material (304 or 316L stainless steel), a perforated plate and several layers of square mesh (or dense mesh)

The number of mesh according to different use conditions and purposes

结构图：

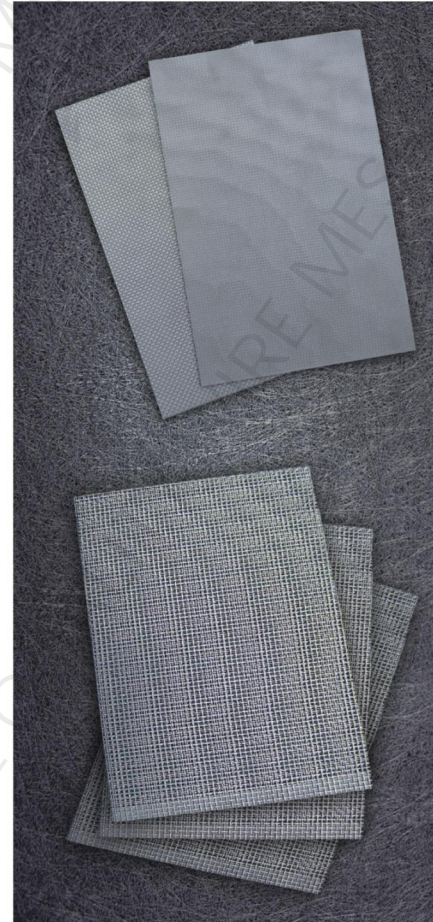


Product features:

Because it integrates the pressure-resistant skeleton and filter mesh, it has the characteristics of higher mechanical strength, better reverse cleaning effect and low pressure drop loss.

Product application:

It is now widely used in water treatment, beverage, food, metallurgy, chemical and pharmaceutical industries.



多层金属烧结网

Product introduction:

Multi-layer sintered metal mesh, is made of layers of stainless steel wire mesh with special laminated, through vacuum sintering and has a high strength and rigidity of a new type of filtration material, the layers of silk screen mesh crisscross each other, form a uniform and ideal filter structure, it has excellent filtration precision, filtration resistance, mechanical strength, wear resistance, heat resistance, cold resistance and processability, demands and filtration precision uniform pressure strength of filter are ideal, is widely used in petrochemical, nuclear power, synthetic fibre, film, food, pharmaceutical, aerospace industry and environment protection, etc.

Product size:

1. Material: SUS304, SUS316L;

2. Size:

1000mm*500mm,

1000mm*600mm,

1000mm*1000mm,

1200mm*1000mm,

1200mm*1200mm;

3. Filtering : 1-300 term-type;

4. Special specifications can be supplied according to request

Main USES:

1. Used as disperse cooling material in high temperature environment;

2. Used for gas distribution, liquid bed hole plate material;

3. For high precision, high reliability and high temperature filtration materials;

4. Used for high pressure backwashing oil filter.

Product application:

1. Precision filtration of various hydraulic lubricants in the machinery industry

2. Filtration and purification of various polymer melts in the chemical fiber film industry, filtration of various high-temperature corrosive liquids in the petrochemical industry,

filtration, washing and drying of materials in the pharmaceutical industry;

3. Application of gas homogenization in powder industry, fluidized plate in steel industry

4. Explosion-proof electrical appliances such as divider

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行业应用

- 化纤熔体用过滤芯
- 制药机械网盘
- 化工过滤用滤芯
- 水处理设备用滤筒
- 高炉喷煤用流化板
- 钢厂电厂用滤芯
- 高温除尘滤筒
- 煤矿用液压滤芯
- 阀体微型滤芯

Filter element for chemical fiber solution



The main filter material of this filter element mainly adopts two kinds of stainless steel woven net and stainless steel fiber knotted felt. Stainless steel braided mesh is woven from stainless steel wire, its folding wave filter element has a smooth hole, easy to clean, high temperature, corrosion resistance, screen does not fall off, long filtration cycle and other characteristics. Stainless steel fiber sintered felt is a kind of porous deep filter material made of stainless steel fiber sintered at high temperature. Its wave-breaking core has the characteristics of high porosity, good air permeability, strong ability to absorb pollution and strong ability to regenerate.

Product features:

The filter area is large (5-10 times of the ordinary cylindrical filter), and the filter accuracy range is wide (1-300um).

Typical application parameters:

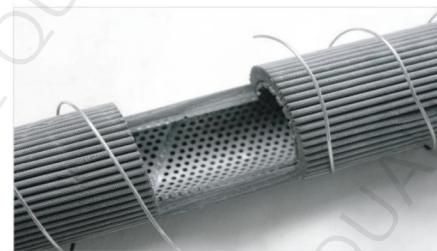
1. Working pressure: 30MPa;
2. Operating temperature: 300°C;
3. Pollution carrying capacity :16.9~41mg/cm2

Product connection:

Standard interface (such as 222, 220, 226) quick connection, threaded connection, flange connection, tie rod connection, special custom interface.

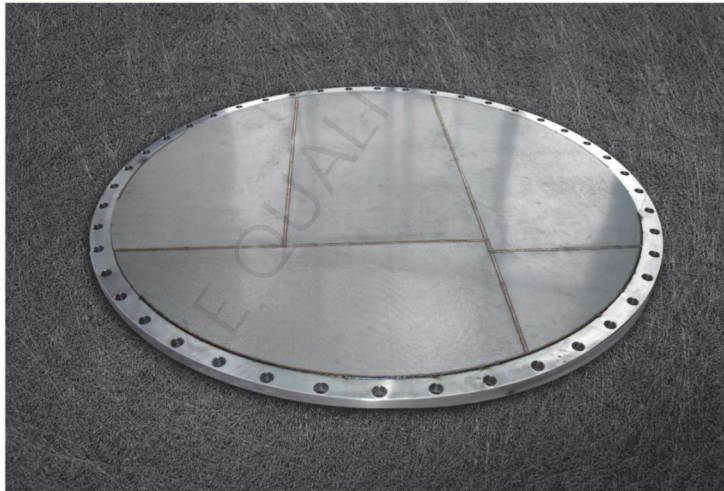
Main USES:

1. Filtration of polymer melt in the production of polyester, filament, short filament and thin film;
2. High temperature gas and steam filtration;
3. Filtration of high-temperature liquid and viscous liquid.



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制药机械网滤盘 Pharmaceutical mechanical screen filter tray

Product introduction:

The filter tray is an ideal filter element with three functions: filtering, washing and drying. The filter material is made of multi-layer stainless steel sintered mesh and welded with flange to form circular filter disc or conical filter. It is mainly used in three-in-one and two-in-one equipment such as pharmacy, chemical industry and food industry. It replaces the traditional press cloth and has the advantages of good rigidity, high strength, long replacement cycle, easy cleaning and simple assembly. The filtering accuracy is 1~300 term-type. With a diameter of 100-3000mm, the filter disc structure is divided into integral type and fractal type.

Product features:

Good rigidity, uniform filtering accuracy, repeated washing, long-term use.

Product application:

Products are widely used in pharmaceutical, chemical, food and other industries. The conventional material is SUS316L and SUS304.

Thickness :1.7mm, 2.5mm, 3.5mm.



化工过滤用滤芯 Filter element for chemical filtration

Product introduction:

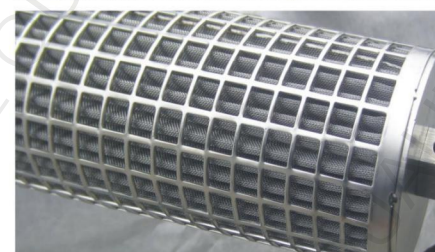
Five layer or multi-layer stainless steel wire mesh deep processing and become, after through high heat sintering or is made of stainless steel wire mesh after folding craft work, has the good permeability, pollutant carrying capacity is strong, large filtration area, long service life, resistant to high temperature and corrosion resistance, can wash the regeneration, repeated use of obvious characteristics, such as widely used in oil, chemical and other industries filtration system.

Main connection modes:

1. Standard interfaces (e.g. 222, 220, 226);
2. Fast interface connection;
3. Threaded connection;
4. Flange connection;
5. Rod connection;
6. Customized connection.

Product application:

Used for filtering polyester, water treatment, oil, pharmaceutical, food and beverage, chemical, chemical fiber products and high temperature air.



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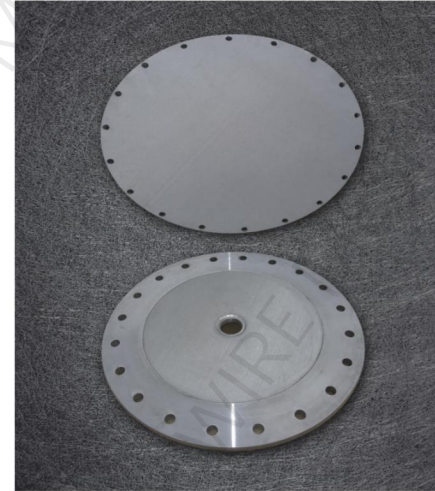
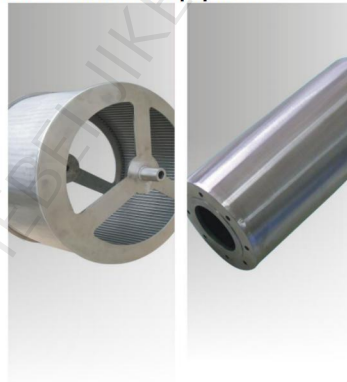
水处理设备用滤筒 Filter cylinder for water treatment equipment

Product introduction:

The filter barrel of water treatment equipment adopts the composite sintered mesh of punched plate as the filter material, and the composite sintered mesh of punched plate is designed rationally according to different conditions and USES. It has been widely used in self-cleaning equipment, intelligent differential pressure water treatment equipment and filtering equipment such as food and beverage because of its higher mechanical strength, better anti-cleaning effect and low loss of pressure drop due to the sintering of pressure-resistant framework and filter.

Product size:

1. Perforated plate material is SUS304 or SUS316L;
2. Filtering accuracy 1 μ m-3000 μ m ;
3. Products of special materials and shapes can be made according to different requirements.



高炉喷煤用流化板 Fluidized plate for coal injection in blast furnace

Product introduction:

The control of gas distribution state, the transmission and fluidization of powder materials are widely used in industrial processes. Fluidization technology is an important means of mass transfer, heat transfer and chemical reaction in the chemical process. The control of gas distribution state requires a sintered mesh board with good air permeability, and a fluidized device made of sintered mesh board is adopted.

Significant advantages of the product:

1. Uniform distribution of voids, stable control characteristics of flow and resistance;
2. High strength, rigid beating, easy installation and maintenance;
3. Good mass transfer, heat transfer and melting effect;
4. High temperature resistance, corrosion resistance, wide range of trial environment;
5. Flexible operation, convenient process adjustment, materials are not easy to leak, and can eliminate breakdown, short circuit and blockage, etc., long service life.

Product size:

1. Dimensions : ≤ 1200 mm x 1000 mm;
2. Thickness: 2~12mm

Filter element for steel plant

Product introduction:

Wire-wound filter elements of various specifications: primary, medium and high efficiency air filters; Large flow condensate filter element; Stainless steel filter and large flow iron removal filter; High and low pressure hydraulic lubricating oil filter and oil water, oil and gas separation filter; High precision oil filter and oil filter



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高温除尘滤筒 High temperature dust removal cartridge

Product introduction:

The high temperature dust removal method is to put the high temperature gas into the non-metal filter bag after the cooling system. The high temperature dust removal filter cylinder made of several layers of special stainless steel wire mesh is sintered, which overcomes the defects of traditional filter bag such as high temperature, difficulty in regeneration, low strength and poor wear resistance.

Significant advantages of the product:

1. Direct gas filtration, simple process;
2. Good air permeability, uniform and stable accuracy, no leakage;
3. Good regeneration performance, fast regeneration speed, convenient installation, high efficiency and long service life



煤矿用液压滤芯 Hydraulic filter element for coal mine

Product introduction:

All kinds of hydraulic oil filter element filters with different requirements are the means to ensure the stable and reliable work of the hydraulic machinery and extend the service life. We have strong technical force and advanced production technology, and can provide customers with various hydraulic filter element parts, as well as to the pattern processing.



阀体微型滤芯 Miniature filter element in valve body

Product introduction:

By vacuum electron beam welding, used for all kinds of precision servo valve in hydraulic and pneumatic control system of hydraulic oil or gas filtration, has high precision, good rigidity, small resistance strength, large flow, high cleanliness of itself, use convenient, stable filter hole, use cycle is long, etc. alternative bronze powder sintering filter (the first generation of valve filter) and skeleton coated metal mesh filter (the second generation of valve filter) and imported wire winding filter, make the servo system is more stable and reliable, has been widely used in aerospace, quit the hydraulic orange, precision machine tools, automatic control, etc.

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粉末烧结滤芯

主要应用在石油、化工、环保等基础工业中作为过滤材料、多孔电极材料、吸音材料、减震材料、发散冷却材料、催化剂与催化还原材料、防冻与缓冲材料使用。



不锈钢粉末烧结滤芯

Stainless Steel Powder sintered filter

It is a metal microporous filter material made of irregular stainless steel powder and can be isostatic pressed, molded and extruded. It has good percolation filtration performance, high filtration accuracy, and a certain strength and toughness, can be used at 30(rc high temperature. It is mainly used as filtration material, porous electrode material, sound-absorbing material, shock-absorbing material, diverging cooling material, catalyst and catalytic reduction material, anti-freezing and buffer material in petroleum, chemical industry, environmental protection and other basic industries.

The material is SUS304, 304L, 316, 316L. Currently available in tubes, plates, sheets, discs, rings, rods and cones.



铜粉烧结滤芯

It is made of tin-bronze powder, unembroidered steel powder and other metal powder by sintering at high temperature. It is mainly used for purification, filtration and industrial muffler of various media. It can be made into filter element, filter sheet, Muffler components, etc.

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