

Chamber/PP Filter Plate

1. Brief Introduction

PP polypropylene, also known as high molecular weight polypropylene. This material has excellent resistance to various acids and alkalis, including strong acid hydrofluoric acid.

The filter plate is made of reinforced polypropylene, made of high-quality polypropylene (PP), and manufactured by CNC lathe. It has strong toughness and rigidity, improving the compression sealing performance and corrosion resistance of the filter plate. Suitable for filter presses.

2. Feature

1. Modified and reinforced polypropylene with a special formula, molded in one go;
2. Special CNC equipment processing, with a flat surface and good sealing performance;
3. The filter plate structure adopts a variable cross-section design, with a conical dot structure distributed in a plum blossom shape in the filtering part, effectively reducing the filtration resistance of the material;
4. The filtration speed is fast, the design of the filtrate flow channel is reasonable, and the filtrate output is smooth, greatly improving the working efficiency and economic benefits of the filter press.
5. The reinforced polypropylene filter plate also has advantages such as high strength, light weight, corrosion resistance, acid, alkali resistance, non-toxic, and odorless.

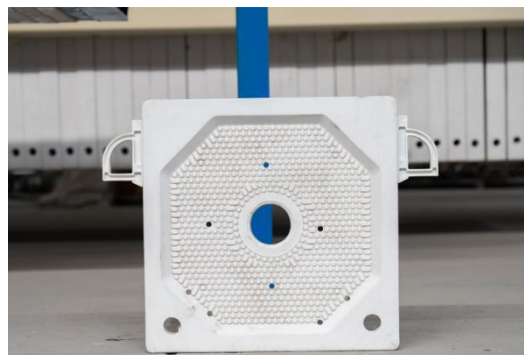
3. Application

The filter plate has strong adaptability and excellent product quality, and is widely used in fields such as chemical industry, light industry, petroleum, pharmaceuticals, food, resource development, metallurgy and coal, national defense industry, environmental protection, etc.

4 Models

380mm×380mm; 500mm×500mm; 630mm×630mm; 800mm×800mm; 870mm×870mm; 1000mm×1000mm;

1250mm×1250mm; 1500mm×1500mm; 2000mm×2000mm



Membrane Filter Plate

1. Brief Introduction

The diaphragm filter plate is composed of two diaphragms and a core plate combined by high-temperature heat sealing. An extrusion chamber (hollow) is formed between the membrane and the core plate, and external media (such as water or compressed air) is introduced into the chamber between the core plate and the membrane, causing the membrane to bulge and compress the filter cake in the chamber, achieving secondary extrusion dehydration of the filter cake.

2. Feature

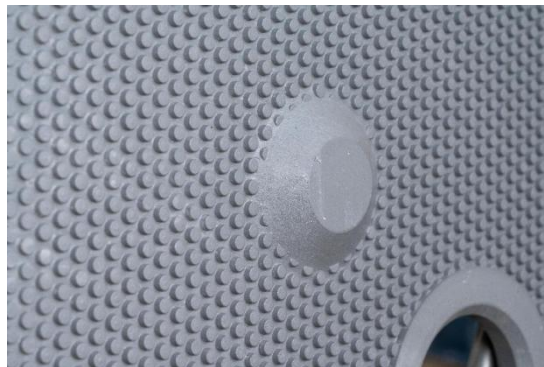
1. The PP filter plate (core plate) adopts reinforced polypropylene, which has strong toughness and rigidity, improving the compression sealing performance and corrosion resistance of the filter plate;
2. The diaphragm is made of high-quality TPE elastomer, which has high strength, high resilience, and high-temperature and high-pressure resistance;
3. The working filtration pressure can reach 1.2MPa, and the pressing pressure can reach 2.5MPa;
4. The filter plate adopts a special flow channel design, which increases the filtration speed by about 20% and reduces the moisture content of the filter cake.

3. Application

Widely used in industries such as chemical, pharmaceutical, food, metallurgy, oil refining, clay, sewage treatment, coal preparation, infrastructure, municipal sewage, etc.

4 Models

630mm×630mm; 800mm×800mm; 870mm×870mm; 1000mm×1000mm; 1250mm×1250mm; 1500mm×1500mm; 2000mm×2000mm



Closed Filter Plate

1. Brief Introduction

The embedded filter cloth filter plate (sealed filter plate) adopts a filter cloth embedded structure, and the filter cloth is embedded with sealing rubber strips to eliminate leakage caused by capillary phenomenon. The sealing strips are embedded around the filter cloth, which has good sealing performance.

Used for fully enclosed filter press plates, with sealing strips embedded on the filter plate surface and sewn around the filter cloth. The edges of the filter cloth are fully embedded in the sealing groove on the inner side of the filter plate and fixed. The filter cloth is not exposed to obtain a fully sealed effect.

Suitable for volatile products or concentrated collection of filtrate, effectively avoiding environmental pollution and maximizing the collection of filtrate.

Specification: 800 × 800 1000 × 1000

Applicable temperature: 0 °C -100 °C

The sealing strip is made of various materials such as ordinary rubber, EPDM, and fluororubber, which can meet the needs of different users.

2. Feature

1. High temperature resistance, high pressure resistance, anti-corrosion, and the best sealing performance.
2. The water content of high-pressure filtration materials is low.
3. Fast filtration speed and uniform washing of filter cake.
4. The filtrate is clear and the solid recovery rate is high.
5. Embedded filter cloth with sealing rubber ring to eliminate capillary leakage of filter cloth between filter plates.
6. The filter cloth has a long service life.

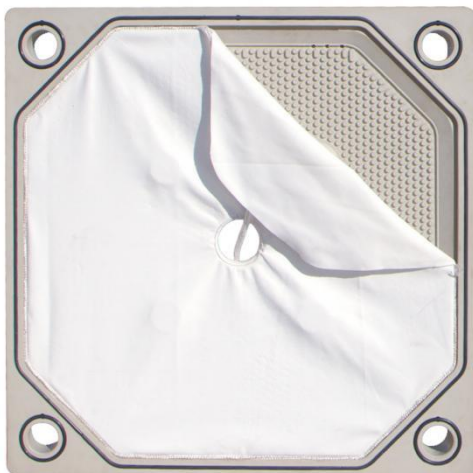
3. Application

Widely used in industries such as metallurgy, chemical engineering, printing and dyeing, ceramics, food, medicine, mining, coal washing, etc.

4 Models

500mm×500mm; 630mm×630mm; 800mm×800mm; 870mm×870mm; 1000mm×1000mm; 1250mm×1250mm;

1500mm×1500mm; 2000mm×2000mm



Stainless Steel Filter Plate

1. Brief Introduction

The stainless steel filter plate is made of 304 or 316L all stainless steel, with a long service life, corrosion resistance, good acid and alkaline resistance, and can be used for filtering food grade materials.

2. Feature

1. The stainless steel filter plate is welded to the outer edge of the stainless steel wire mesh as a whole. When the filter plate is backwashed, the wire mesh is firmly welded to the edge. The outer edge of the filter plate will not tear or cause damage, ensuring the quality of the filtered liquid without the need for frequent replacement.

2. The stainless steel filter plate and stainless steel wire mesh have high strength and are not affected by the flushing strength.

3. Stainless steel wire mesh is not easy to adhere impurities and block. After filtering the liquid, it is easier to rinse and is more suitable for filtering high viscosity and high strength liquids.

3. Application

Widely used in industries such as metallurgy, chemical engineering, printing and dyeing, ceramics, food, medicine, mining, coal washing, etc.

4 Models

380mm×380mm; 500mm×500mm; 630mm×630mm; 800mm×800mm; 870mm×870mm; 1000mm×1000mm



Cast Iron Filter Plate

1. Brief Introduction

The cast iron filter plate is made of cast iron or ductile iron precision casting, suitable for filtering petrochemical, grease, mechanical oil decolorization and other products with high viscosity, high temperature, and low water content requirements.

2. Feature

1. Long service life
2. High temperature resistance
3. Good anti-corrosion and sealing performance
4. Good dehydration rate of filter cake, uniform and thorough washing

3. Application

Widely used for decolorization of petrochemical, grease, and mechanical oils with high viscosity, high temperature, and low water content requirements.

4 Models

500mm×500mm; 630mm×630mm; 870mm×870mm; 1000mm×1000mm



High Temperature Filter Plate

1. Brief Introduction

The high-temperature filter plate is an organic material with good acid resistance and temperature resistance, which can reach a normal temperature resistance of around 150 ° C.

2. Feature

1. High temperature resistance, high sealing;
2. Modified and reinforced polypropylene with a special formula, molded in one go;
3. Special CNC equipment processing, with a flat surface and good sealing performance;
4. The filter plate structure adopts a variable cross-section design, with a conical dot structure distributed in a plum blossom shape in the filtering part, effectively reducing the filtration resistance of the material;
5. The filtration speed is fast, the design of the filtrate flow channel is reasonable, and the filtrate output is smooth, greatly improving the working efficiency and economic benefits of the filter press.

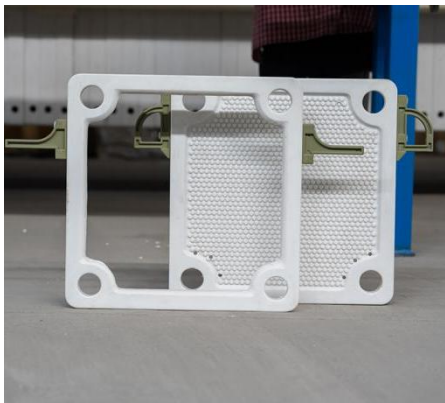
3. Application

Widely used for high-temperature gas filtration in petrochemical industry, filtration of various high-temperature, corrosive liquids, and catalysts; Purification of high-temperature flue gas in the metallurgical industry; Filtration of other high-temperature gases and liquids.

4 Models

380mm×380mm; 500mm×500mm; 630mm×630mm; 800mm×800mm; 870mm×870mm; 1000mm×1000mm;

1250mm×1250mm; 1500mm×1500mm; 2000mm×2000mm



Filter Press Model Guidance

Liquid name	Solid-liquid ratio (%)	Specific gravity of solids	Material status	PH value	Solid particle size (mesh)
Temperature (°C)	Recovery of liquids/solids	Water content of filter cake	Working hours/day	Capacity/day	Whether the liquid evaporates or not

Filter press ordering instructions

1. Refer to the filter press selection guide, filter press overview, specifications and models, select the model and supporting equipment according to the needs.

For example: Whether the filter cake is washed or not, whether the effluent is open or close, whether the rack is corrosion-resistant or not, the mode of operation, etc., must be specified in the contract.

1. According to the special needs of customers, our company can design and produce non-standard models or customized products.

3. The product pictures provided in this document are for reference only. In case of changes, we will not give any notice and the actual order will prevail.

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