



## 河北优必欧过滤器材有限公司

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HEBEI YUBO FILTRATION EQUIPMENT CO., LTD.





河北优必欧过滤器材有限公司是一家全球化经营的专业过滤公司。销售与服务网络覆盖全球，我们的产品已远销美国、德国、澳大利亚、韩国、日本等其他欧洲和亚太地区的诸多国家和地区。我们的团队会迅速响应您的需求，全心致力于为您提供经济、可靠、高效的过滤解决方案,以及无微不至的售后服务。

**H**ebei YUBO Filtration Equipment Co., Ltd. is a professional supplier of filtration equipments. We are supplying to global customers in US, Germany, Australia, and South Korea, Japan and many other countries and regions in America, Europe and the Asia-Pacific. We respond quickly to customers' inquiries and be fully committed to providing you with reliable and efficient filtration solutions, as well as perfect after-sales service.

# CONTENTS

## 目录

|    |  |
|----|--|
| 05 | 电动内刮板自清洗过滤器<br>Electric inner scraper self-cleaning filter     |
| 08 | 电动外刮板自清洗过滤器<br>Electric external scraper self-cleaning filter  |
| 11 | 气动内刮板自清洗过滤器<br>Pneumatic internal scraper self-cleaning filter |
| 13 | 自动反冲洗过滤器<br>Automatic backwash filter                          |
| 16 | 吮吸式反冲洗过滤器<br>Suctorial type backwash filter                    |
| 18 | 钛棒过滤器<br>Titanium filter                                       |
| 22 | 芯式（保安）过滤器<br>Cartridge filter                                  |
| 27 | 单袋袋式过滤器<br>Single Bag filter                                   |
| 30 | 多袋袋式过滤器<br>Multi Bag filter                                    |
| 33 | 双联过滤器<br>Double Bag filter Housing                             |
| 36 | 篮式过滤器<br>Basket filter   |
| 38 | 滤芯耗材<br>Filter element   |
| 53 | 我们的服务<br>Our Service   |



# 关于我们 ABOUT US

河北优必欧过滤器材有限公司是一家专业生产自清洗过滤器、袋式过滤器、筒式过滤器、离心固液过滤器、烛式过滤系统、篮式过滤器的过滤器制造企业。我们是一家集生产、销售为一体的大型工业企业。我公司拥有独立的制造设备，先进的定制技术，雄厚的技术力量，严格科学的管理和检测手段，来满足用户的需求，得到了用户和专家的高度评价。十多年来，我们积累了技术和制造经验。现在，我们正在为来自世界各地的各行各业的客户提供服务。

We are an industrial enterprise integrating production and sales. Our company has independent manufacturing equipment, advanced customization technology, abundant engineering design ability, strict scientific management and testing methods for meeting the needs of users, and has been highly praised by users and experts. For more than ten years, we have accumulated technology and manufacturing experience, with which we are serving global customer in various industries.

## 过滤产品方面的专家

## EXPERT OF FILTRATION

我们专注于高品质的过滤器产品。我们的销售、技术和生产团队拥有丰富的经验，可以将您的过滤器产品制造到最高水平。我们有严谨的质检团队，所有产品交付给您之前会经过严格的审查检测，确保产品达到您的要求。

We concentrate on high-quality filters. We have rich-experienced teams of engineering, production, quality control, sales and service to manufacture and deliver the best filters. All products will be strictly inspected and tested before delivering to customer.

## 我们的过滤器产品主要包括

1. 电动内刮板自清洗过滤器
2. 电动外刮板自清洗过滤器
3. 气动内刮板自清洗过滤器
4. 自动反冲洗过滤器
5. 吮吸式反冲洗过滤器
6. 钛棒过滤器
7. 芯式（保安）过滤器
8. 篮式过滤器
9. 袋式过滤器

## OUR MAIN FILTERS

1. Electric inner scraper self-cleaning filter
2. Electric external scraper self-cleaning filter
3. Pneumatic internal scraper self-cleaning filter
4. Automatic backwash filter
5. Suction type backwash filter
6. Titanium filter
7. Cartridge filter
8. Basket filter
9. Bag filter

## 这些产品广泛应用于以下行业

## OUR PRODUCTS ARE USED WIDELY IN THE FOLLOWING INDUSTRIES

- |           |                         |
|-----------|-------------------------|
| 1. 水处理    | 1. Water treatment      |
| 2. 石油和天然气 | 2. Oil and natural gas  |
| 3. 煤炭和采矿  | 3. Coal and mining      |
| 4. 钻井     | 4. Well drilling        |
| 5. 废水处理   | 5. Wastewater treatment |
| 6. 食品和饮料  | 6. Food and beverage    |
| 7. 医药     | 7. Medicine             |
| 8. 造纸     | 8. Pulp and paper       |
| 9. 金属加工   | 9. Metal processing     |

# 质量控制 QUALITY CONTROL

我们不断努力加强优必欧过滤的质量管理体系，这使我们能够提供高价值的产品、服务和行业知识来满足我们的客户，并在他们有保留需求时赢回他们。

我们始终对客户的询问、疑虑和反馈持开放态度，以便最好地理解客户的期望。

我们的销售人员、技术人员和生产人员之间快速高效的沟通，使我们整个团队完全了解产品，避免在产品的所有细节上出现任何错误。

我们通过定期安排培训我们的员工，以便在他们的日常职业职责中发挥最佳表现。

我们的制造工厂实施了多项政策和程序，以确保我们的产品质量在产品应用中处于首要地位。我们生产的每一件产品都由我们的质量控制专业人员在其生产周期的各个步骤进行检查。

我们的检查程序和报告会不断更新和改进，以符合市场预期。所有机械和工具都会定期检查、维修或更换，以确保在制造过程中产生最佳产品效果。

We work hard continuously to strengthen the quality control system, which allows us to provide high-value products and services to satisfy our customers.

We are always open to customers' inquiries, questions and feedback, in order to well understand customers' expectations.

The fast and efficient communication between sales, engineering and producing staff enables our entire team to fully understand the product and avoid any error in all the details of the product.

We apply regular training for our staff for helping to perform the best in their professional duties.

We apply strict quality policies and procedures to ensure that quality is the most important factor.

Every product is inspected by our quality control professionals at every necessary step of producing cycle.

Our inspection procedures and reports will be continuously updated and improved to meet market expectations. All instruments and tools will be regularly maintained or replaced to ensure that the accurate inspecting results.



## Electric inner scraper self-cleaning filter 电动内刮刀自清洗过滤器

### 描述

电动内刮刀式自清洗过滤器是具有新型刮刀式自清洗过滤器,通过机械刮除方式来自动去除滤网内表面的颗粒杂质,能够连续在线过滤。电动内刮刀式自清洗过滤器主要为高粘度过滤设计,适用高粘度液体的过滤工作,精度范围30-1500微米,能快速地将杂质刮离滤网表面,从而有效的去除更多杂质,适合水及各种粘性液体的过滤。

### Description

The source filter series electric internal scraper self-cleaning filter is a new scraper self-cleaning filter, which can automatically remove the particle impurities on the inner surface of the filter screen by mechanical scraping, and can continuously filter online. Electric internal scraper self-cleaning filter is mainly designed for high-viscosity filtration, suitable for filtration of high-viscosity liquid, with precision range of 30-1500 $\mu$ m, which can quickly scrape impurities off the surface of filter screen, thus effectively removing more impurities, suitable for filtration of water and various viscous liquids.



### 产品细节 (核心部件)

全自动刮刷式自清洗过滤器由电机减速机、滤壳、滤网、刮刷组合式清洗系统、PLC控制器和电动排污阀等部件组成。



### Product Details (Core Parts)

The automatic wiper self-cleaning filter is composed of motor reducer, filter case, filter screen, wiper combined cleaning system, PLC controller and electric blowdown valve.



### 产品规格参数

### Product specification parameters

|   |  |
|---|--|
| 适用液体<br>Applicable liquid                     | 水及粘性液体(<800000cps), 杂质量<1000ppm<br>Water and viscous liquids (<800,000 cps), impurities <1000 ppm      |
| 过滤精度<br>Filter precision                      | 30-1500 $\mu$ m  |
| 标准设计压力等级<br>Standard Design Pressure Rating   | 1.0MPa, 更高压力可以定制<br>1.0MPa, higher pressure can be customized  |
| 设计温度<br>Design temperature                    | 0-200℃(取决于密封件)<br>0-200° C (depending on seal)   |
| 单机过滤面积<br>Single filter area                  | 0.14m <sup>2</sup> -1.45m <sup>2</sup>   |
| 清洗压差<br>Cleaning differential pressure        | 0.05MPa  |
| 压差发讯器<br>Differential pressure transmitter    | 压差变送器或压差开关<br>Pressure differential transmitter or pressure differential switch                        |
| 减速电机<br>Reduction motor                       | 180W, 三相, 380V, 防护等级IP55; 蜗轮蜗杆减速机<br>180W, three-phase, 380V, protection grade IP55; worm gear reducer |
| 进出口连接标准<br>Inlet/outlet connection standard   | 法兰 Flange ANSI B16.5   |
| 滤元类型材质<br>Filter element type material        | V型楔形网, 材质304/316L/2205/钛等<br>V-shaped wedge mesh, material 304/316 L/2205/ titanium, etc.              |
| 壳体接液材质<br>Material of shell connecting liquid | 304/316L/CS  |
| 刮刀材质<br>Scraper material                      | PTFE、铜以及不锈钢<br>PTFE, copper and stainless steel  |
| 壳体密封材质<br>Shell sealing material              | NBR丁腈橡胶 (标配) / VITON(FKM)氟橡胶<br>NBR Nitrile (Standard)/ Viton (FKM) Viton                              |
| 排污阀<br>Blowdown valve                         | 气(电)动球阀, 防护等级IP65<br>Pneumatic (electric) ball valve, protection grade IP65                            |
| 公用供给要求<br>Utility Supply Requirements         | 380V AC, 0.4-0.6MPa 洁净干燥压缩空气<br>380V AC, 0.4-0.6MPa clean dry compressed air                           |



## 设备主要参数及尺寸

### Main parameters and dimensions of equipment

| 型号<br>Model | 管径<br>Pipe diameter(mm) | 过滤流量<br>Filter flow (m3/h) | 过滤面积<br>Filter area (m2) | 排污阀<br>Blowdown valve (mm) | 一次清洗量<br>Primary cleaning quantity (L) | 电机功率<br>Motor power (KW) |
|-------------|-------------------------|----------------------------|--------------------------|----------------------------|--|--------------------------|
| S2-273      | 80                      | 50                         | 0.25                     | 25                         | 80                                     | 0.55                     |
| S2-325      | 100                     | 150                        | 0.35                     | 25                         | 80                                     | 0.55                     |
| S2-426      | 200                     | 300                        | 0.66                     | 50                         | 150                                    | 0.55                     |
| S2-530      | 250                     | 500                        | 1                        | 50                         | 150                                    | 0.55                     |
| S2-630      | 300                     | 700                        | 1.2                      | 80                         | 350                                    | 0.75                     |
| S2-720      | 350                     | 1100                       | 1.5                      | 80                         | 450                                    | 0.75                     |
| S2-820      | 400                     | 1500                       | 1.8                      | 80                         | 600                                    | 0.75                     |
| S2-920      | 450                     | 2000                       | 2                        | 80                         | 800                                    | 0.75                     |
| S2-1020     | 500                     | 2500                       | 2.3                      | 80                         | 1000                                   | 0.75                     |

## 产品应用

应用领域：煤油、聚合物、水、发酵液、蛋白质、油脂、湿部助剂、碳酸钙、淀粉、填料、粘合剂、油墨、颜料、涂料、树脂、橡胶、乙醇、巧克力、糖果、高温油、食用油、蜂蜜、果汁、冷却液、柴油、柠檬酸、肥皂、山梨醇等等。

### Product application

Application: Kerosene, polymer, water, fermentation broth, protein, grease, wet end additive, calcium carbonate, starch, filler, adhesive, ink, pigment, coating, resin, rubber, ethanol, chocolate, candy, high-temperature oil, edible oil, honey, fruit juice, coolant, diesel, citric acid, soap, sorbitol, etc.



## Electric external scraper self-cleaning filter 电动外刮刀自清洗过滤器

### 描述

全自动电动外刮刀过滤器（即刮刀在滤元外部）系列是专门设计用于造纸工业，解决涂层及纸浆过滤中所存在的难题，可去除断纸及条痕，有效降低排放物对环境的影响，最大程度确保工作时间和产品质量。

电动外刮刀自清洗过滤器能够单机连续在线过滤，无需人工更换清洗滤元，不产生过滤耗材，不但用于水过滤，更广泛适用于溶剂、酸碱液、聚合物、涂料等粘性物料的自清洗过滤，效率更高，性能更稳定可靠。

### Description

The full-automatic motor external scraper filter (i.e. scraper outside the filter element) series is specially designed for the papermaking industry to solve the problems existing in coating and pulp filtration, so as to remove broken paper and streak, effectively reduce the impact of emissions on the environment, and ensure the working time and product quality to the maximum extent.

The self-cleaning filter of electric external scraper can be used for continuous on-line filtration of single machine, without manual replacement of cleaning filter element, without filter consumables, not only for water filtration, but also for self-cleaning filtration of solvent, acid-base liquid, polymer, coating and other viscous materials, with higher efficiency, more stable and reliable performance.





## 标准尺寸

滤芯外径:85,168,268,301,470

标准品滤网长度:600mm

## Standard size

Filter element OD:85,168,268,301,470

Length of standard filter screen:600mm

## 产品规格参数

### Product specification parameters

|   |   |
|---|---|
| 适用液体<br>Applicable liquid                     | 水及粘性液体(<800000cps), 杂质量<1000ppm<br>Water and viscous liquids (<800,000 cps), Impurities <1000 ppm                                     |
| 过滤精度<br>Filter precision                      | 30-1500 $\mu\text{m}$   |
| 标准设计压力等级<br>Standard Design Pressure Rating   | 1.0MPa, 更高压力可以定制<br>1.0MPa, higher pressure can be customized   |
| 设计温度<br>Design temperature                    | 0-200°C(取决于密封件)<br>0-200° C (depending on seal)   |
| 单机过滤面积<br>Single filter area                  | 0.14m <sup>2</sup> -1.45m <sup>2</sup>  |
| 清洗压差<br>Cleaning differential pressure        | 0.05MPa   |
| 压差发讯器<br>Differential pressure transmitter    | 压差变送器或压差开关<br>Pressure differential transmitter or pressure differential switch   |
| 减速电机<br>Reduction motor                       | 180W, 三相, 380V, 防护等级IP55; 蜗轮蜗杆减速机<br>180W, three-phase, 380V, protection grade IP55; worm gear reducer                                |
| 进出口连接标准<br>Inlet/outlet connection standard   | 法兰, HG20592-2009(标准设计), HG20615-2009(兼容ANSI B16.5)<br>Flange, HG20592-2009(standard design), HG20615-2009(compatible with ANSI B16.5) |
| 滤芯类型材质<br>Filter element type material        | V型楔形网, 材质304/316L/2205/钛<br>V-shaped wedge mesh, material 304/316 L/2205/ titanium  |
| 壳体接液材质<br>Material of shell connecting liquid | 304/316L/CS   |
| 刮刀材质<br>Scraper material                      | 合金钢 Alloy steel /PTFE   |
| 壳体密封材质<br>Shell sealing material              | NBR丁腈橡胶 (标配) / VITON(FKM)氟橡胶<br>NBR Nitrile (Standard)/ Viton (FKM) Viton   |
| 排污阀<br>Blowdown valve                         | 气动球阀, 防护等级IP65<br>Pneumatic ball valve, IP65  |
| 公用供给要求<br>Utility Supply Requirements         | 380V AC, 0.4-0.6MPa 洁净干燥压缩空气<br>380V AC, 0.4-0.6MPa clean dry compressed air  |



## 产品优势

1. 过滤精度高, 过滤精度可选范围20-3500微米, 可以处理粘度高达800000厘泊的液体。
2. 不产生一次性耗材, 解决了传统手动过滤器频繁堵塞, 频繁清洗更换, 人工操作繁琐, 物料浪费严重及投资大的缺陷。
3. 自动化程度高, 不需要人工清理, 压差和时间的双重控制, 实现清洗的全自动化密闭过滤; 防止危险性物料泄露, 有利于安全且高效的生产。

## Product Advantage

1. High filtration accuracy, with an optional range of 20-3500 microns to handle liquids up to 800,000 centipoise.
2. The non-production of disposable consumables solves the defects of frequent blockage, frequent replacement, complicated manual operation, serious material waste and large investment of traditional manual filter.
3. High automation, no need for manual cleaning, dual control of pressure difference and time to realize automatic and closed filtration of cleaning, prevent leakage of hazardous materials and facilitate safe and efficient production.

## 产品应用

应用领域: 水处理、造纸、涂料、油墨、聚合物、生物制药、食品饮料、石油化工等。  
过滤介质: 煤油、聚合物、水、发酵液、蛋白质、油脂、湿部助剂、碳酸钙、淀粉、填料、粘合剂、油墨、颜料、涂料、树脂、橡胶、乙醇、巧克力、糖果、高温油、食用油、蜂蜜、果汁、冷却液、柴油、柠檬酸、肥皂、山梨醇等等。

## Product application

Application: water treatment, paper making, coating, ink, polymer, biopharmaceutical, food and beverage, petrochemical, etc.  
Filter media: kerosene, polymers, water, fermentation broth, protein, grease, wet end aids, calcium carbonate, starch, fillers, adhesives, inks, pigments, coatings, resins, rubber, ethanol, chocolate, candy, high temperature oil, edible oil, honey, juice, coolant, diesel, citric acid, soap, sorbitol, etc.





## Pneumatic internal scraper self-cleaning filter

### 气动内刮盘式自清洗过滤器

#### 描述

气动刮盘式自清洗过滤器是新型高效刮刀式自清洗过滤器，通过机械刮除方式来自动清除滤元内表面的颗粒杂质，能够连续在线过滤。主要为高粘度过滤设计，适用粘度高达800,000mPa.s，精度范围50-1500微米，精准过滤，能最快地将杂质刮离滤元表面，从而高效去除更多杂质，适合水及各种粘性液体的过滤。具有高性能、高品质、高可靠性的标准设计制造，达到国际一流品质。



#### Description

Pneumatic scraper self-cleaning filter is a new type of high-efficiency scraper self-cleaning filter, which can automatically remove the particle impurities on the inner surface of filter element by mechanical scraping, and can continuously filter on-line. Designed for high-viscosity filtration, it is suitable for high-viscosity 800,000mPa.s, precision range of 50-1500μm, precision filtration, which can scrape impurities off the surface of filter element most quickly, so as to effectively remove more impurities, suitable for filtration of water and various viscous liquids. With high-performance, high-quality, high-reliability standard design and manufacturing, to achieve international first-class quality.

#### 产品应用

应用领域：石油化工、精细化工、造纸、食品饮料、水处理等  
适合液体：蜡、煤油、聚合物、柠檬酸、发酵液、化妆品、琼脂糖（凝胶）、硅树脂溶液、肥皂、山梨醇、类固醇、糖浆、湿部助剂、粘合剂、颜料、润滑剂、涂料、树脂、乳胶、乙醇、混合油、食用油、高温油、果汁、柴油等

#### Product application

Application: Petrochemical, fine chemical, paper, food and beverage, water treatment and other  
Suitable liquids: wax, kerosene, polymer, citric acid, fermentation liquid, cosmetics, agarose (gel), silicone solution, soap, sorbitol, steroid, syrup, wet-end auxiliary, adhesive, pigment, lubricant, coating, resin, latex, ethanol, mixed oil, edible oil, high-temperature oil, fruit juice, diesel, etc.

#### 产品细节（核心部件）

- 上下往复刮除，直接将杂质刮离，特别擅长过滤粘性液体，去除粘性悬浮杂质
- 结构简单，容易拆装，拿掉刮刀后，轻松取出滤元，内部容易清洗
- 全自动运行，连续在线过滤，终结繁重的滤元更换清洗工作
- 不产生一次性抛弃的过滤耗材，节约耗材成本及环保处理成本
- 配备MS, NS和AS系列滤元，全面满足各种过滤需要
- 过滤压损极小，流量稳定，节省能耗，利于工艺连续稳定
- 密闭过滤，防止危险性物料泄漏，有利于安全生产与员工健康
- 排放废液杂质浓度高，并可回收，减少高价值物料的损失
- 多种高级控制系统可选，功能强大，高效运行，高可靠性
- 选用世界知名品牌的部件，高可靠性，低运行成本

#### Product Details (Core Parts)

- Up and down scraping, directly scraping off impurities, especially good at filtering viscous liquid, removing viscous suspended impurities
- Simple structure, easy to disassemble and assemble. After the scraper is removed, the filter element can be easily taken out and the interior is easy to clean.
- Fully automatic operation, continuous on-line filtration, end of heavy filter element replacement and cleaning
- Don't generate disposable filter consumables, save consumables cost and environmental treatment cost
- Complete filtration needs with MS, NS and AS series filters
- Very small filter pressure loss, stable flow, energy saving, conducive to continuous process stability
- Closed filtration to prevent leakage of hazardous materials, which is conducive to safe production and employee health
- High concentration of impurities in the discharged waste liquid can be recycled to reduce the loss of high-value materials
- Various advanced control systems are optional, powerful, efficient and reliable
- Select parts of world famous brand, high reliability and low operation cost





# Automatic backwash filter 全自动反冲洗过滤器

## 描述

自动反冲洗过滤器是一种先进、高效且易操作的全自动过滤装置。该过滤器由罐体、不锈钢滤网、排污部分、传动装置及电气控制部分组成。过滤机工作时，待过滤的水由水口进入，流经滤网，通过出口进入用户所须的管道进行工艺循环，水中的颗粒杂质被截留在滤网内部。同时排污口打开，由排污口排出，当滤网清洗完毕后，压差降到最小值，系统返回到初始过滤状，系统正常运行。

## Description

Automatic backwash filter is an advanced, efficient and easy to operate automatic filter. The filter is composed of tank body, stainless steel filter screen, sewage part, transmission device and electrical control part. When the filter operates, the water to be filtered enters through the water inlet, flows through the filter screen, enters the pipeline required by the user through the outlet for process circulation, and the particles in the water are trapped inside the filter screen. At the same time, the blowdown outlet is opened and discharged from the blowdown outlet. When the filter screen is cleaned, the pressure difference is reduced to the minimum value, the system is returned to the initial filtering state, and the system is in normal operation.



## 产品应用

广泛用于冶金、化工、石油、造纸、医药、食品、采矿、电力、城市给水领域。诸如工业废水，循环水的过滤，乳化液的再生，废油过滤处理，冶金行业的连铸水系统、高炉水系统，热轧用高压水除鳞系统。

## Product application

It is widely used in the fields of metallurgy, chemical industry, petroleum, papermaking, medicine, food, mining, electric power and urban water supply. Such as industrial waste water, filtration of circulating water, regeneration of emulsion, waste oil filtration treatment, continuous casting water system in metallurgical industry, high furnace water system, high pressure water descaling system for hot rolling.



# 产品规格参数 Product specification parameters

|   |   |
|---|---|
| 型号<br>Model                                       | BSRF300/BSRF400/BSRF500/BSRF600/BSRF700/BSRF800/BSRF900/BSRF1000  |
| 适用液体<br>Applicable liquid                         | 水及低粘性液体(<40cps), 杂质质量<300ppm<br>Water and low viscosity liquid (<40 cps), impurities <300 ppm                         |
| 工作压差<br>Operating differential pressure           | 出口与排污管道之间压差>0.15MPa<br>Pressure difference between outlet and blowdown pipeline >0.15MPa                              |
| 过滤精度<br>Filter precision                          | 50-2000 $\mu$ m   |
| 标准设计压力等级<br>Standard Design Pressure Rating       | 0.6MPa/1.0MPa/1.6MPa/2.0MPa,<br>更高压力可以定制(higher pressure can be customized)   |
| 设计温度<br>Design temperature                        | 0-95℃   |
| 流量范围<br>Flow Range                                | 15-8000m <sup>3</sup> /h  |
| 过滤面积<br>Filter area                               | 4970cm <sup>2</sup> -89530cm <sup>2</sup>   |
| 进出口连接标准<br>Inlet/outlet connection standard       | 0.05MPa-0.07MPa   |
| 控制系统<br>Control system                            | 压差与时间并行双控模式<br>Pressure difference and time parallel dual control mode  |
| 压差发讯器<br>Differential pressure transmitter        | 压差变送器或压差开关<br>Pressure differential transmitter or pressure differential switch                                       |
| 电机减速机<br>Motor reducer                            | 120W, 三相, 380V, 防护等级IP55; 蜗轮蜗杆减速机<br>120W, three-phase, 380V, protection grade IP55; worm gear reducer                |
| 进出口尺寸<br>Inlet and outlet dimensions              | 2"~24"  |
| 进出口连接标准<br>Inlet/outlet connection standard       | 法兰 Flange, ANSI B16.5   |
| 滤元类型材质<br>Filter element type material            | V型楔形网, 材质304/316L/2205/钛<br>V-shaped wedge mesh, material 304/316 L/2205/ titanium                                    |
| 壳体连接材质<br>Material of shell connecting liquid     | 304/316L/CS, 特殊材质可定制 (如904L, 双相不锈钢)<br>304/316L/CS, special material customizable (e.g. 904L, duplex stainless steel) |
| 内表面防腐涂层<br>Internal surface anticorrosive coating | 环氧涂层, PA11 (适用于碳钢或特殊防腐要求)<br>Epoxy coating, PA11(for carbon steel or special corrosion protection requirements)       |
| 壳体密封材质<br>Shell sealing material                  | NBR丁腈橡胶 (标配) / VITON(FKM)氟橡胶<br>NBR Nitrile (Standard)/ Viton (FKM) Viton   |
| 排污阀<br>Blowdown valve                             | 气动不锈钢球阀或蝶阀, 防护等级IP65<br>Pneumatic stainless steel ball valve or butterfly valve, protection class IP65                |
| 公用供给要求<br>Utility Supply Requirements             | 0.4-0.6MPa洁净干燥压缩空气, 380V AC, 24V DC<br>0.4-0.6MPa clean dry compressed air, 380V AC, 24V DC                           |



## 产品特点

- 1.自动反冲洗过滤器具有结构简单,拆卸方便等特点。
- 2.直接安装在管网系统上,不需要任何支撑结构,节省空间。
- 3.节约投资费用,在安装过程中不需多设旁通管路,降低了劳动强度,避免了在调节试和维修过程中的拆卸排污。
- 4.安装灵活,可以水平安装也适应于垂直安装。
- 5.过滤器在额定流速下阻力为0.05~0.1m水柱。
- 6.过滤网筒是整体固定连接于管体上的,刚性,强度好,无易损件,使用寿命长。
- 7.过滤网的规格:10目/吋、14目/吋、20目/吋、也可根据用户要求定制。



## Product Features

1. The automatic backwash filter has the characteristics of simple structure and easy disassembly.
2. Directly installed on the pipe network system, without any support structure, saving space.
3. The investment cost is saved. In the installation process, there is no need to use multiple bypass pipelines, which reduces the labor intensity and avoids the removal and drainage during the adjustment test and maintenance.
4. Flexible installation, horizontal installation and vertical installation.
5. Resistance of filter at rated flow rate is 0.05~0.1m water column.
6. The filter screen cylinder is fixedly connected to the pipe body as a whole, with rigidity, good strength, no wearing parts and long service life.
7. Specification of filter screen:10 mesh/inch,14 mesh/inch,20 mesh/inch, can also be customized according to user requirements.

## 产品优势

反冲洗过滤器属于水的净化过程中不可缺少的处理手段,用于拦截水中的杂质,以净化水质或保护系统中其他设备的正常工作。传统过滤器工作时必须对设备进行拆卸才能实现对过滤部分的清洗,无法监控过滤器的状态,而且受人为因素影响比较大,使整个系统的自动化程度很低,而反冲洗过滤器清洗排污时系统不间断供水具有自动化程度高,处理量大,可自行清洗排污,并不间断供水,应用面广泛等优点。

## Product Features

Backwash filter is an indispensable treatment method in the process of water purification, which is used to intercept impurities in the water to purify water quality or protect the normal operation of other equipment in the system. When the traditional filter works, the equipment must be disassembled to realize the cleaning of the filter part, and the filter state can not be monitored. Moreover, it is greatly affected by human factors, so that the automation degree of the whole system is very low. When the backwash filter is cleaned and drained, the uninterrupted water supply of the system has the advantages of high automation degree, large treatment capacity, self-cleaning and drainage, uninterrupted water supply, wide application area, etc.

## Suction type backwash filter 吮吸式反冲洗过滤器



## 描述

吸吮式反冲洗过滤器是一种能提供多种综合性用途的工业自动过滤器,特别适合船舶和海上平台的应用。吸吮式反冲洗过滤器在每个过滤器中可装有不同数量的滤芯来提供更大的过滤面积。这就使过滤器在使用时产生尽可能小的压力损失。该过滤器提供全自动的,反冲清洗操作,并能不断地把杂质从水及其它液体分离出来。吸吮式反冲洗过滤器维修和操作都非常简便,即使在恶劣的操作条件下也能持续保持良好的运行态势。

## Description

The suction backwash filter is an industrial automatic filter that provides a variety of comprehensive applications, especially for ships and offshore platforms. The suction backwash filter can have a different number of filter elements in each filter to provide a larger filter area. This allows the filter to be used with minimal pressure loss. The filter provides automatic, backflush cleaning operations and can continuously separate impurities from water and other liquids. The suction backwash filter is easy to maintain and operate and maintains good operating conditions even under harsh operating conditions.

## 产品应用

水与污水  
纸浆与纸  
化学品  
石油化工  
钢铁  
有色金属  
塑料挤压加工  
机器冷却剂过滤  
建筑业领域

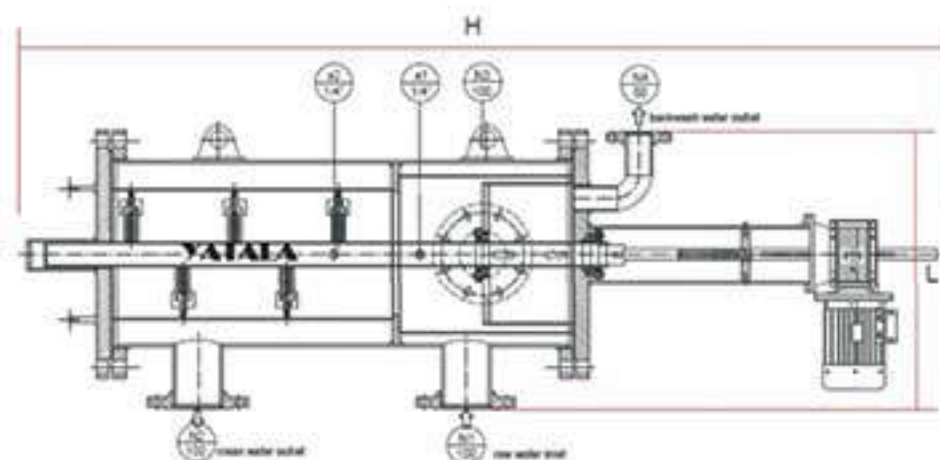
## Product application

- Water and sewage
- Pulp and Paper
- Chemicals
- Petrochemicals
- Steel
- Nonferrous metal
- Plastic extrusion
- Machine coolant filtration
- Construction sector



## 结构示意图

## Schematic diagram of structure



## 产品规格参数 Product specification parameters

| 流量<br>Flow | 精度<br>Precision | 压力<br>Pressure | 阀门<br>Valve                    | 过滤器标准<br>Filter Standard | 滤芯材料<br>Filter element material      | 阀门材料<br>Valve material                      | 密封材料<br>Sealing material        |
|------------|-----------------|----------------|--------------------------------|--------------------------|--------------------------------------|---|---------------------------------|
| 1-5000M3/H | 25-3000 μm      | 0-10.0Mpa      | 电动或气动<br>Electric or pneumatic | GB150,HG/T21637          | 304, 316, 哈氏合金<br>304,316, Hastelloy | CS, 304, 316, 哈氏合金<br>CS,304,316, Hastelloy | 丁腈、三元乙丙、橡胶<br>NBR, EPDM, rubber |

## 产品特点

过滤器主体部分的压力设计通常是基于化工管道过滤器和钢制压力容器的标准设计的。过滤器也能够适应其它设计标准的特殊要求。设备主体部分有碳钢、不锈钢、双相钢等材料。同时我们也可为您提供像钛、纯镍等特殊材料。



## Product Features

The design of the pressure in the main part of the filter is usually based on the standard design of chemical pipe filters and steel pressure vessels. Filters can also meet the special requirements of other design standards. The main body of the equipment is made of carbon steel, stainless steel, duplex steel and other materials. We can also provide you with titanium, pure nickel and other special materials.

Titanium filter  
钛棒过滤器

## 描述

过滤器外壳采用316L或304优质不锈钢制造，内外镜面抛光处理，过滤芯采用钛棒，使其具备了耐腐蚀、耐高温、耐冲击、无毒、无微粒脱落、不吸附药液成分、使用寿命长（正常使用寿命4-5年）、易清洗、可再生的特性；钛棒滤芯属于深层过滤，不仅在钛棒表面形成一层有间隙的致密滤层，起到过滤作用而且颗粒还可以紧附在孔道的壁面上形成“架桥现象”，拦截住比钛棒孔径小的颗粒，提高了过滤精度。



## Description

The filter housing is made of 316L or 304 high-quality stainless steel with the inside and outside mirror-polished. The filter elements are made of titanium rods, which make it has the following characteristics: corrosion resistance, high temperature resistance, impact resistance, non-toxic, no particle shedding, no absorption of chemical components, Long service life (normal service life 4-5 years), easy to clean, renewable, etc. Titanium rod filter element belongs to deep filtration. Not only a dense filter layer with gaps is formed on the surface of the titanium rod, which plays a filtering role, but the particles can also be attached to the wall of the channel to form a "bridging phenomenon", intercepting the particles with smaller pore size than the titanium rod and improving the filtration degree.

## 产品规格参数

## Product specification parameters

|                                  |   |
|----------------------------------|---|
| 过滤精度<br>Filtration accuracy      | 0.1um — 100um   |
| 孔隙率<br>Porosity                  | 28 — 45 %   |
| 透气率<br>Air permeability          | 0.02 — 20L / cm2minPa   |
| 渗透系数<br>Permeability coefficient | $1.0 \times 10^{-5} - 7 \times 10^{-3} \text{ L / cm}^2 \cdot \text{min} \cdot \text{Pa}$   |
| 直径<br>Diameter ( mm )            | 6、8、12、16、18、20、30、35、40、50、60、70、100、130   |
| 接口形式<br>Interface form           | M6 — 30、222、226、4分、6分、一寸、平压、客户要求的其他接口。<br>M6 — 30,222,226, 1/2 inch, 3/4 inch, 32mm, flat pressing and other interfaces required by customers |



## 钛棒过滤器型号

## Titanium rod filter model

| 滤芯数<br>Number of filter elements   | 外形尺寸<br>Dimensions | 理论孔径<br>Theoretical aperture | 理论流量<br>Theoretical flow |
|--|--------------------|------------------------------|--------------------------|
| 3  | 280mm*850mm        | 0.1-30 $\mu$ m               | 1.0T                     |
| 5  | 280mm*850mm        | 0.1-30 $\mu$ m               | 2.0T                     |
| 7  | 440mm*850mm        | 0.1-30 $\mu$ m               | 3.0T                     |
| 9  | 440mm*850mm        | 0.1-30 $\mu$ m               | 4.0T                     |
| 12   | 540mm*850mm        | 0.1-30 $\mu$ m               | 5.0T                     |
| 15   | 540mm*850mm        | 0.1-30 $\mu$ m               | 6.0T                     |
| 17   | 620mm*850mm        | 0.1-30 $\mu$ m               | 7.0T                     |
| 微孔钛管规格60*300mm, 特殊规格可以定制。<br>Microporous titanium tube specifications 60*300mm, special specifications can be customized |                    |                              |                          |

备注:浓度较高产品过滤需夹层加热提高过滤速度。

Remarks: The filtration of higher concentration products requires interlayer heating to increase the filtration speed

## 钛滤芯 (粉末烧结)

## Titanium filter elements (powder sintered)

钛过滤芯(包扩管式和板式)是以工业高纯钛粉(O级)为原料,经高压、高温烧结制作而成。由于精湛的制作技术和特殊的制作工艺及钛本身的性能特点,使钛金属粉末烧结滤芯具有了优良的性能:

- 1、结构均匀、孔径分布窄、分离效率高。
- 2、孔隙率高、过滤阻力小、渗透效率高。
- 3、耐高温,一般可以在湿态 280 度以下正常使用。
- 4、化学稳定性好、耐酸碱腐蚀、具有抗氧化性能。
- 5、无磁性无毒,且与人体组织及血液有很好的相融性,所以被制药工业和食品工业、水处理工业广泛采用。
- 6、无微粒脱落,不使原液形成二次污染,符合食品卫生及制药 GMP要求。
- 7、抗微生物能力强,不与微生物发生作用。
- 8、可在线生产,易清洗,使用寿命长(一般为膜滤芯的几倍)



## Description

Titanium filter elements (including expanded tube type and plate type) are made of industrial high-purity titanium powder (grade O) through high-pressure and high-temperature sintering. The superb production technology, special production process and the performance characteristics of titanium itself make the titanium metal powder sintered filter element have excellent performance:

1. Uniform structure, narrow pore size distribution and high separation efficiency.
2. High porosity, low filtration resistance and high penetration efficiency.
3. High temperature resistance. Generally, it can be used normally at a wet state below 280 degrees.
4. Good chemical stability, acid and alkali corrosion resistance, and oxidation resistance.
5. Non-magnetic and non-toxic. And it has good compatibility with human tissues and blood, widely used in the pharmaceutical industry, food industry, and water treatment industry.
6. No particles fall off, no secondary pollution to the original solution. Comply with food hygiene and pharmaceutical GMP requirements.
7. Strong antimicrobial ability, does not interact with microorganisms.
8. It can be regenerated online. Easy to clean, long service life (generally several times of membrane filter element).

## 应用领域

## 制药行业

大输液、小针剂、滴眼液、口服液浓配环节中的脱炭过滤及稀配环节中的终端过滤前的保安过滤,原料药生产过程中的除杂质过滤,物料的脱炭过滤和精滤。

## 水处理行业

水处理工业中的超滤、RO、EDI系统的保安过滤,臭氧灭菌后过滤;海水淡化领域反渗透前的保安过滤。

## 食品行业

食品中的饮料、果汁、白酒、啤酒、植物油,矿泉水、酱油、醋的澄清过滤。

## 化工行业

化学工业中液体产品、液体原料、医药中间体的脱炭过滤及精密过滤、超细晶体、催化剂的过滤回收,树脂吸附后的精密过滤及系统导热油、物料的除杂过滤;染料工业的高温脱炭、脱白土过滤。



## 石油行业

油田回注水过滤。

在以上各行业中均涉及到：真空上料系统中的物料截留过滤（钛滤芯起到防止粉体物料外泄和环境污染物料的双重作用）；气体净化方面的蒸气、压缩空气、催化气体过滤。

## Application field

### Pharmaceutical industry

Decarbonization filtration in the concentrated preparation of large infusions, small injections, eye drops, and oral liquids, and security filtration before terminal filtration in the dilute preparations; In the production process of the raw material medicine, the impurity removal, the decarbonization filtration and the fine filtration of the materials are carried out.

### Water treatment industry

Ultrafiltration, RO, E DI system security filtration in the water treatment industry, filtration after ozone sterilization; security filtration before reverse osmosis in the field of seawater desalination.

### Food industry

Clarification and filtration of beverages, fruit juice, liquor, beer, vegetable oil, mineral water, soy sauce and vinegar in food.

### Chemical industry

Decarbonization filtration and precision filtration of liquid products, liquid raw materials, and pharmaceutical intermediates in the chemical industry, filtration and recovery of ultra-fine crystals, and catalysts, Precise filtration after resin adsorption and impurity removal and filtration of system heat transfer oil and materials; High-temperature decarbonization and de-white clay filtration in the dye industry.

### Petroleum industry

Oilfield reinjection water filtration.

In the above industries are involved: Material retention and filtration in the vacuum feeding system (titanium filter element plays a dual role in preventing the leakage of powder materials and environmental pollutants); Steam, compressed air, and catalytic gas filtration in gas purification.



## Cartridge filter 芯式过滤器



## 产品原理

滤芯式液体过滤器是一种新型多功能过滤器，它由两部分组成：滤器和滤芯。已被广泛应用于水、油、油漆等液体净化和机械、冶金、化工、纺织、印染、电镀、医药、食品等行业中的固液分离。

## Product Principle

The filter element type liquid filter is a new type of multifunctional filter, which consists of two parts: the filter and the filter element. It has been widely used in water, oil, paint and other liquid purification and solid-liquid separation in machinery, metallurgy, chemical, textile, printing and dyeing, electroplating, medicine, food and other industries.

## 产品选型 Product model

| 名称                              | Name  |
|---------------------------------|---|
| 介质<br>Medium                    | 气体 液体<br>Gas Liquid                                 |
| 壳体材质<br>House material          | 碳钢 不锈钢<br>Carbon steel stainless steel              |
| 滤芯材质<br>Filter element material | 根据介质选定<br>According to the medium selection         |
| 连接方式<br>Connection              | 卡箍 法兰 螺纹<br>Clamp flange thread                     |
| 法兰压力<br>Flange pressure         | 0.25-16Mpa 150-600LB                                |
| 垫片材质<br>Gasket material         | PTFE 金属缠绕 丁腈橡胶<br>PTFE metal winding nitrile rubber |
| 流量<br>Flow rate                 |   |
| 温度<br>Temperature               |   |
| 操作压力<br>Operating pressure      | 根据工况参数设计<br>Design according to working conditions  |
| 过滤精度<br>Filtration accuracy     |   |
| 介质粘度<br>Medium viscosity        |   |





## 产品种类 Product Category

芯式过滤器按照常用的滤芯种类可分为以下几种:

Filter element filters can be divided into the following types according to the commonly used filter elements:

### 1、PP滤芯过滤器

PP滤芯也叫做PP熔喷滤芯, 熔喷过滤芯由聚丙烯超细纤维热熔缠结制成, 纤维在空间随机形成三维微孔结构, 维孔孔径沿滤液流向呈梯度分布, 集表面、深层、精细过滤于一体, 可截留不同粒径的杂质。滤芯精度范围 $0.5-100\mu\text{m}$ , 其通量是同等精度峰房滤芯的1.5倍以上, 可配置不同型号的端盖接头, 满足各种工程安装的需要。



#### Filter with PP filter element

PP filter element is also called PP melt blown filter element. The melt blown filter element is made of polypropylene ultra-fine fiber thermally entangled. The fibers randomly form a three-dimensional microporous structure in space, and the dimensional pore size is distributed in a gradient along the flow direction of the filtrate. It integrates surface, deep, and fine filtration to trap impurities of different particle sizes. The accuracy range of the filter element is  $0.5-100\mu\text{m}$ , and its flux is more than 1.5 times that of the peak room filter element of the same accuracy. Different types of end cap connectors can be configured to meet the needs of various engineering installations.

### 2、线绕滤芯过滤器

芯式过滤器由具有良好过滤性能的纺织纤维纱线精密缠绕在多孔骨架上精制而成的。其纱线材料有丙纶纤维、晴纶纤维、脱脂棉纤维等。缠绕时通过控制纱线的缠绕松紧度和稀密度, 可以制成不同精度的过滤芯, 能有效去除各种液体的悬浮物、颗粒杂质等, 对各种液体有较高的净化效果



#### Filter with wire wound filter element

It is refined by finely winding textile fiber yarn with good filtering performance on a porous skeleton. Its yarn materials include polypropylene fiber, acrylic fiber, absorbent cotton fiber, etc. By controlling the tightness and thinness of the yarn during winding, filter elements with different precision can be made, which can effectively remove suspended solids and particulate impurities in various liquids, and have a high purification effect on various liquids.

### 3、折叠式滤芯过滤器

折叠式滤芯采用聚丙烯(Polypropylene)热喷纤维膜, 尼龙(Nylonb)聚四氟乙烯(PTEE)微孔滤膜等为过滤介质制作成的精密过滤器件, 具有体积小, 过滤面积大, 精度高等优点。过滤精度范围可从 $0.1\mu\text{m}$ 至 $60\mu\text{m}$ 。滤芯端盖密封及整体结构连接均采用热熔粘接。滤芯接头为国际通用的三种型式:222接头、226接头、平口。产品在出厂前均经过严格的完整测试, 以确保产品的性能稳定。



#### Filter with pleated filter element

The pleated filter element is a precision filter device made of Polypropylene thermal spray fiber membrane, Nylonb, PTEE microporous filter membrane, etc. as the filter medium. It has the advantages of small volume, large filter area, and high precision. Filter accuracy can range from  $0.1\mu\text{m}$  to  $60\mu\text{m}$ . The filter element end cover sealing and the overall structure connection are all hot-melt bonding. There are three kinds of filter element joints commonly used in the world: 222 joints, 226 joints and flat joints. The products have undergone strict and complete testing before leaving the factory to ensure the stable performance of the products.

### 4、活性炭滤芯过滤器

#### Filter with activated carbon filter element

活性炭滤芯产品有两大类: 压缩型活性炭滤芯、散装型活性炭滤

There are two categories of activated carbon filter products: Compressed activated carbon filter element, bulk activated carbon filter element.

A、压缩型活性炭滤芯采用高吸附值的煤质活性炭和椰壳活性炭作为过滤料, 加以食品级的粘合剂烧结压缩成形。压缩活性炭滤芯内外均分别包裹着一层有过滤作用的无纺布, 确保炭芯本身不会掉落炭粉, 炭芯两端装有柔软的丁晴橡胶密封垫, 使炭芯装入滤筒具有良好的密封性。



A. The compressed activated carbon filter element uses coal-based activated carbon and coconut shell activated carbon with high adsorption value as the filter material, and is sintered and compressed with a food-grade binder. The inside and outside of the compressed activated carbon filter element are respectively wrapped with a layer of non-woven fabric with filtering effect to ensure that the carbon core itself does not drop carbon powder. The two ends of the carbon core are equipped with soft nitrile rubber gaskets, so that the carbon core is installed in the filter cartridge with good tightness.



B、散装型活性炭滤芯将所需要的活性炭颗粒装入特制的塑料壳体中，用焊接设备将端盖焊接在壳体的两端面，壳体的两端分别放入起过滤作用的无纺布滤片，确保炭芯在使用时不会掉落炭粉和黑水。根据客户的需要，壳体端盖可做成不同型号的连接口。接口方式有：平压式、管道式（型号有：4042、4044、4046等）



B. Bulk activated carbon filter element put the required activated carbon particles into a special plastic tank, and be used welding equipment to weld the end caps to the two ends of the shell. The two ends of the tank are respectively put into non-woven filter sheets for filtering to ensure that the carbon core will not drop carbon powder and black water during use. According to the needs of customers, the tank end cover can be made into different types of connection ports. Interface methods include flat pressure type, pipeline type (models: 4042, 4044, 4046, etc.).

## 5、双节滤芯过滤器

上节：聚丙烯熔喷滤芯精度 $5\mu\text{m}$

下节：颗粒活性炭滤芯内置活性炭170g

材质：ABS、PP

长度：250mm 外径：70mm 通量：8L/S 总通量：6-8T

活性炭指标：强度>90；碘值(mg/g)>950；亚甲兰值(mg/g)>120



### Filter with double section filter element

Previous section: Polypropylene melt blown filter element with a precision of  $5\mu\text{m}$

Next section: Granular activated carbon filter element with built-in activated carbon 170g

Material: ABS, PP

Length: 250mm Outer diameter: 70mm Flux: 8L/S Total flux: 6-8T

Activated carbon index: strength>90; iodine value (mg/g)>950; methylene blue value (mg/g)>120

## 6、树脂滤芯过滤器

树脂是一种多孔的、不可溶材料。软水机中树脂滤芯内装有千百万颗微细的塑料球(珠)，所有小球都含有许多吸收正离子的负电荷交换位置。当树脂处在新生状态时，这些电荷交换位置被带正电荷的钠离子占据。当钙和镁经过树脂贮槽时，它们与树脂小珠接触，从交换位置上取代钠离子。树脂优先结合带较强电荷的阳离子，钙和镁离子的电荷比钠离子强。取代钠阳离子然后向下通过树脂“床”流出软水机，这样软水机就送出了“软”水。最后，所有的树脂交换位置均被钙和镁占据，再不能进行工作了。

### Resin cartridge filter

Resin is a porous, insoluble material. There are millions of tiny plastic balls (beads) in the resin filter element of the water softener, all of which contain many negative charge exchange positions that absorb positive ions. When the resin is in the nascent state, these charge exchange sites are occupied by positively charged sodium ions.

When calcium and magnesium pass through the resin storage tank, they come into contact with the resin beads and replace the sodium ions from the exchange position. The resin preferentially binds cations with a stronger charge, and calcium and magnesium ions have a stronger charge than sodium ions. Replace the sodium cations and then pass down the resin "bed", out of the water softener, so that the water softener sends out "soft" water. Finally, all resin exchange positions are occupied by calcium and magnesium, and work can no longer be performed.

## 7、RO逆渗透滤芯过滤器

采用RO逆渗透膜的滤芯。逆渗透技术：逆渗透原文是REVERSE OSMOSIS，它是美国太空总署集合多国科学家，在政府支持下，花费数十亿美元，经过多年研究而成。逆渗透的原理是在原水一方施加比自然渗透压力更大的压力，使水分子由浓度高的一方逆渗透到浓度低的一方。由于逆渗透膜的孔径远远小于病毒和细菌的几百倍乃至上千倍以上，故各种病毒，细菌，重金属，固体可溶物，污染有机物，钙镁离子等根本无法通过逆渗透膜，从而达到水质软化净化的目的。



### Filter with RO reverse osmosis filter element

Filter element with RO reverse osmosis membrane: Reverse osmosis technology: the original text of reverse osmosis is REVERSE OSMOSIS, which is a collection of scientists from the United States National Space Agency, with government support, spent billions of dollars, after years of research. The principle of reverse osmosis is to apply a pressure greater than the natural osmotic pressure on the raw water side, so that water molecules reverse osmosis from the higher concentration side to the lower concentration side.

Since the pore size of the reverse osmosis membrane is much smaller than hundreds of times or even thousands of times that of case viruses and bacteria, all kinds of viruses, bacteria, heavy metals, solid soluble matter, polluting organic matter, calcium and magnesium ions, etc. cannot pass through the reverse osmosis membrane. So as to achieve the purpose of water softening and purification.

## 8、不锈钢滤芯过滤器

不锈钢滤芯特点：

- A. 良好的过滤性能、对2-200um的过滤粒度均可发挥均一的表面过滤性能
- B. 耐蚀性、耐热性、耐压性、耐磨性好；
- C. 不锈钢滤芯气孔均匀、精确的过滤精度；
- D. 不锈钢滤芯单位面积的流量大
- E. 不锈钢滤芯适用低温、高温环境；清洗之后可以再使用，免更换。



### Filter with stainless steel filter

Features of stainless steel filter element:

- A. Good filtration performance, uniform surface filtration performance for 2-200um filtration particle size
- B. Good corrosion resistance, heat resistance, pressure resistance and wear resistance;
- C. The stainless steel filter element has uniform and precise filtration accuracy;
- D. The flow rate per unit area of the stainless steel filter element is large;
- E. The stainless steel filter element is suitable for low temperature and high temperature environment; it can be used again after cleaning, no need to replace.



# Single bag filter 单袋过滤器

## 描述

袋式过滤器，具有快开密封结构，O型圈密封型式，清洗更容易。过滤残渣少，更换滤袋十分方便。单袋过滤器有侧入式过滤器和顶入式过滤器，标准单袋侧入式过滤器，是为常规过滤应用推出的高性价比过滤器，采用碳钢，SS304，SS316L不锈钢材料，按严格的化工标准设计制造，耐腐蚀性能优异，安全可靠，经久耐用。上盖快开式设计，旋松圆型螺母拨开，即可打开上盖，滤袋的更换方便快捷。目前已广泛应用于各类过滤工况。顶入式单袋过滤器是一种结构新颖、体积小、操作简便灵活、节能、高效、密闭工作、适用性强的多用途过滤设备。



## Product Details

The bag filter has a quick-opening sealing structure and a O-ring sealing type, making it easier to clean. The filter residue is small, and it is very convenient to replace the filter bag. Single-bag filters have side-entry filters and top-entry filters. The standard single-bag side-entry filters are cost-effective filters for conventional filtration applications. They are made of stainless steel, SS304, and SS316L materials. Designed and manufactured according to chemical standards, with excellent corrosion resistance, safety and reliability, and durability. The upper cover is designed with quick opening, loosen the round nut to open the upper cover, and the replacement of the filter bag is convenient and quick. At present, it has been widely used in various filtering conditions. The top-entry single-bag filter is a multi-purpose filter equipment with novel structure, small size, simple and flexible operation, energy saving, high efficiency, airtight work, and strong applicability.

## 产品细节（核心部件）

- ◆较大处理量是处理水时的参考值，实际值会因液体的粘度、杂质含量和压差的变化而不同
- ◆可提供碳钢、304不锈钢、316L不锈钢和塑胶等材质的过滤器
- ◆提供各种不同材质的O型密封圈，满足不同流体、工作温度的需要
- ◆过滤器上盖锁紧方式可以做成抱箍式、搭扣式、吊环式等



## Product details (core components)

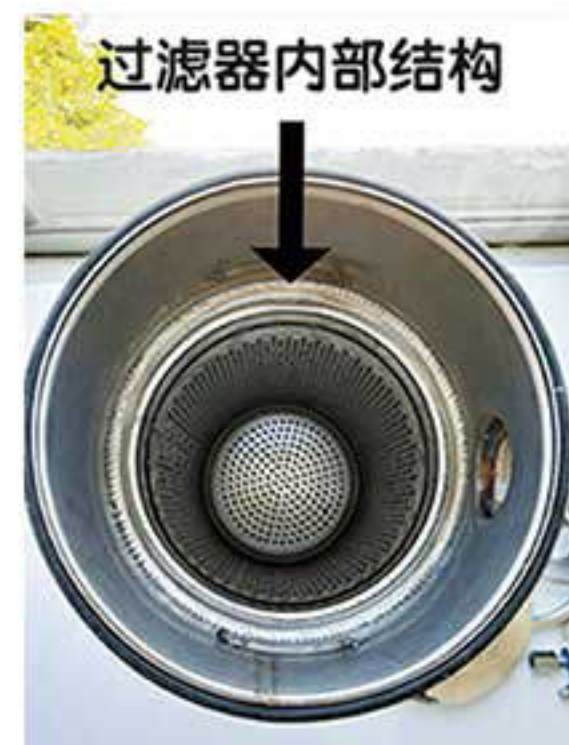
- ◆The larger treatment capacity is the reference value when treating water, the actual value will be different due to the change of liquid viscosity, impurity content and pressure difference
- ◆Filters made of stainless steel, 304 stainless steel, 316L stainless steel and plastic are available
- ◆Provide various O-rings of different materials to meet the requirements of different fluids and working temperatures
- ◆The locking method of the filter cover can be made into a hoop type, a buckle type, a ring type, etc.



### 一号袋式过滤器

桶体直径: 219mm  
桶体高度: 800mm  
每小时流量: 10-20 吨  
耐 压: 0.6mpa

## 单袋式过滤器内部结构 Inner structure



## 产品应用

主要用于油漆、啤酒、化妆品、植物油、电镀液、牛奶、工业用水、乳胶、糖水、果汁、醋类、树脂、油墨、工业废水的过滤

## Product application

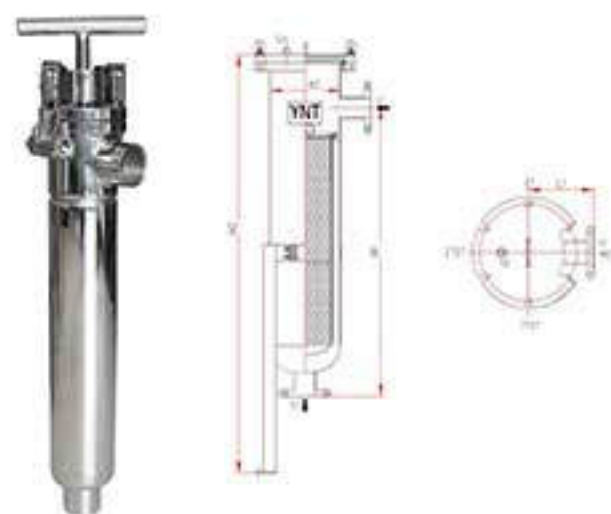
Mainly used for the filtration of paint, beer, cosmetics, vegetable oil, electroplating solution, milk, industrial water, latex, sugar water, fruit juice, vinegar, resin, ink, and wastewater industrial.



## 产品规格参数 Specification

| 型号<br>model | 滤芯型号<br>Bag model | 流速<br>Flow rate M3/H | 筒体高度<br>Housing height(MM) | 总高度<br>Total height(MM) | 过滤器直径<br>Housing diameter(MM) | 滤芯直径<br>Bag diameter(MM) | 进出口<br>Inlet/outlet |
|-------------|-------------------|----------------------|----------------------------|-------------------------|-------------------------------|--------------------------|---------------------|
| YDL-II-1    | 1                 | 20                   | 500                        | 720                     | Φ204                          | Φ170                     | 1"-4"               |
| YDL-II-2    | 2                 | 40                   | 700                        | 1070                    | Φ204                          | Φ170                     | 1"-4"               |
| YDL-II-3    | 3                 | 6                    | 350                        | 430                     | Φ114                          | Φ97                      | 3/4"-2"             |
| YDL-II-4    | 4                 | 12                   | 500                        | 580                     | Φ114                          | Φ97                      | 3/4"-2"             |

1. 规格：国标、美标、德标、日标、定做；单袋式、并联式、多袋式、滤芯式；
2. 型号：S、T系列、PBF聚丙烯容器等；
3. 额定流量：6、10、23、51、、、1088吨/小时等；
4. 额定工作压力：10、20、、、公斤/平方厘米等；
5. 筒体材料：304、316不锈钢(内外喷砂或抛光处理)或应要求材料定制；
6. 内置高强支撑滤篮：由统一孔径为3.5mm的高强度不锈钢网制造；
7. 进出口尺寸：1-14或定制；
8. 进出口位置：侧入侧出、侧入底出、顶入底出、顶入侧出、或根据要求定制；
9. 接口种类：法兰、螺丝口或根据要求定制；
10. 过滤精度：1-800um(微米)相对或绝对精度。



1. Specifications: GB, AMS, DIN, JIN, customized; single-bag type, parallel type, multi-bag type, filter element type;
2. Model: S, T series, PBF polypropylene container, etc.;
3. Rated flow: 6, 10, 23, 51,,, 1088 tons/hour, etc.;
4. Rated working pressure: 10, 20,, kg/cm<sup>2</sup>, etc.;
5. Cylinder material: 304, 316 stainless steel (internal and external sandblasting or polishing treatment) or customized materials on request;
6. Built-in high-strength support filter basket: made of high-strength stainless steel mesh with a uniform aperture of 3.5mm;
7. Import and export size: 1-14 or customized;
8. Import and export position: side in and side out, side in and bottom out, top in and bottom out, top in and side out, or customized according to requirements;
9. Interface type: flange, screw port or customized according to requirements;
10. Filtration accuracy: 1-800um (micron) relative or absolute accuracy.

Multi Bag Filter  
多袋袋式过滤器

## 描述

袋式过滤器按流量大小分为：单袋过滤器、多袋过滤器，多袋式过滤器滤袋材质有不同的过滤材料，各有其不同的过滤方式、过滤效率、过滤精度，即使是使用相同的过滤材料，当滤液的温度、粘度、流速或滤液品质及杂质含量发生变化时过滤的效果均会发生变化请依据实际的工况条件选择合适的过滤材料，多袋式过滤器滤袋材质具有优异的化学性能稳定性和耐热性，在过滤效率和过滤精度等方面均达到较高的水平。常用的多袋式过滤器滤袋材质有PE, PP, PTFE, PMIA, NMO等。



## Description

Bag filters includes single-bag filters, multi-bag filters, and multi-bag filters. The filter bag material has different filter materials, and each has its own different filtration methods, filtration efficiency, and filtration accuracy. Using the same filter material, the filtering effect will change when the temperature, viscosity, flow rate or quality of the filtrate and impurity content of the filtrate change. Please select the appropriate filter material according to the actual working conditions. Multi-bag filter bag The material has excellent chemical stability and heat resistance, and has reached a high level in terms of filtration efficiency and filtration accuracy. Commonly used multi-bag filter bag materials include PE, PP, PTFE, PMIA, NMO, etc.

## 产品优势

袋式过滤器是一种结构新颖合理、密封性好、流通能力强、操作简便、应用范围广泛、适应性强的多用途过滤设备。袋式过滤器的滤袋侧漏机率小，能准确地保证过滤精度，并能快捷地更换滤袋，过滤基本无物料消耗，使得操作成本降低。





## Product advantages

Bag filter is a kind of multi-purpose filter equipment with novel and reasonable structure, good sealing performance, strong circulation capacity, simple operation, wide application range and strong adaptability. The bag filter has a low probability of side leakage of the filter bag, can accurately ensure the filtration accuracy, and can quickly replace the filter bag, basically no material consumption for filtration, which reduces the operating cost.

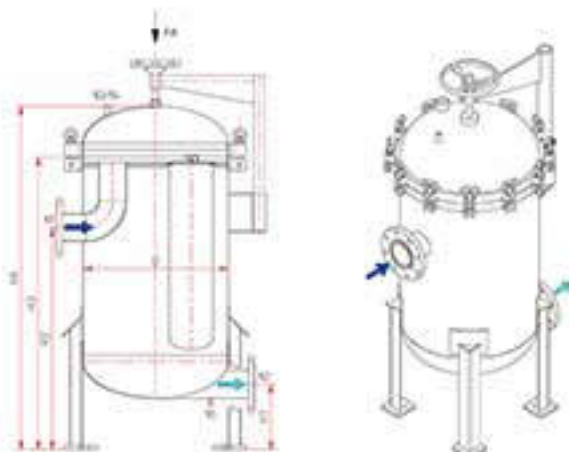
### 产品细节 (核心部件)

- ◆较大处理量是处理水时的参考值，实际值会因液体的粘度、杂质含量和压差的变化而不同
- ◆可提供碳钢、304不锈钢、316L不锈钢和塑胶等材质的过滤器
- ◆提供各种不同材质的O型密封圈，满足不同流体、工作温度的需要
- ◆过滤器上盖锁紧方式可以做成抱箍式、搭扣式、吊环式



### Product details (core components)

- ◆The larger treatment capacity is the reference value when treating water, the actual value will be different due to the change of liquid viscosity, impurity content and pressure difference
- ◆Filters made of stainless steel, 304 stainless steel, 316L stainless steel and plastic are available
- ◆Provide various O-rings of different materials to meet the needs of different fluids and working temperatures
- ◆The locking method of the filter cover can be made into a hoop type, a buckle type, and a ring type



## 产品规格参数 Specification

| 型号<br>Model | 滤袋型号<br>Bag model | 滤袋数量<br>Bag qty | 过滤面积<br>Flow area (m <sup>2</sup> ) | 最大流量<br>Max flow (m <sup>3</sup> /h) | 压力<br>Pressure (Mpa) | 进出口<br>Caliber |
|-------------|-------------------|-----------------|-------------------------------------|--------------------------------------|----------------------|----------------|
| SGD-S2      | 2                 | 2               | 0.9                                 | 50                                   | 1                    | 2-1/2"         |
| SGD-S3      | 2                 | 3               | 1.35                                | 75                                   | 1                    | 3"             |
| SGD-S4      | 2                 | 4               | 1.8                                 | 100                                  | 1                    | 4"             |
| SGD-S5      | 2                 | 5               | 2.25                                | 125                                  | 1                    | 5"             |
| SGD-S6      | 2                 | 6               | 2.7                                 | 150                                  | 1                    | 6"             |
| SGD-S8      | 2                 | 8               | 3.6                                 | 200                                  | 1                    | 6"             |
| SGD-S9      | 2                 | 9               | 4.05                                | 225                                  | 1                    | 8"             |
| SGD-S10     | 2                 | 10              | 4.5                                 | 250                                  | 1                    | 8"             |
| SGD-S12     | 2                 | 12              | 5.4                                 | 300                                  | 1                    | 10"            |
| SGD-S16     | 2                 | 16              | 7.2                                 | 400                                  | 1                    | 12"            |
| SGD-S18     | 2                 | 18              | 8.1                                 | 450                                  | 1                    | 12"            |
| SGD-S24     | 2                 | 24              | 9                                   | 600                                  | 1                    | 12"            |

Accuracy :0.1, 0.2 .0.3 , 0.5, 1 , 5, 10, 15, 25, 50, 100, 200, 300, 400, 500, 600 Microns

### 产品应用

主要用于油漆、啤酒、化妆品、植物油、电镀液、牛奶、工业用水、乳胶、糖水、果汁、醋类、树脂、油墨、工业废水的过滤

### Product application

Mainly used for the filtration of paint, beer, cosmetics, vegetable oil, electroplating solution, milk, industrial water, latex, sugar water, fruit juice, vinegar, resin, ink, and industrial wastewater





## Double Bag Filter Housing 双联过滤器

### 描述

双联过滤器由两个过滤腔室组成。可以是串联连接，也可是并联连接。可以一个是粗过滤，一个是精密过滤，也可以两个过滤都是精密或者是粗过滤，多种组合，可以根据实际情况进行搭配。更换滤袋更加方便快捷，操作成本更低，结构合理，过滤更稳定可靠、便于安装调试。双联过滤器是也称双联切换过滤器，它是由两台不锈钢过滤器并联而成，具有结构新颖合理、密封性好、流通能力强、操作简便等诸多优点，是应用范围广泛、适应性强的多用途过滤设备。采用两个三通球阀，将两个单筒过滤器组装在一个机座上，清洗过滤器时不必停机，保证其连续工作。

### Brief description

The duplex filter consists of two filter chambers. It can be connected in series or in parallel. One is coarse filtration, the other is precision filtration, or both filtration are precision or coarse filtration. Multiple combinations can be matched according to actual conditions. It is more convenient and quick to replace the filter bag, the operation cost is lower, the structure is reasonable, the filter is more stable and reliable, and it is easy to install and debug.



Duplex filter is also called duplex switching filter. It is made up of two stainless steel filters in parallel. It has many advantages such as novel and reasonable structure, good sealing, strong flow capacity, and easy operation. It is widely used and adaptable. Strong multi-purpose filtering equipment. Two three-way ball valves are used to assemble two single-tube filters on a machine base. There is no need to stop the machine when cleaning the filters to ensure continuous operation.

### 产品优势

换向轻便，过滤面积大，使用寿命长，压力损耗小，严格确定过滤精度，操作简便，结构紧凑，节省空间。

### Product advantages

The reversing is light, the filtering area is large, the service life is long, the pressure loss is small, the filtering accuracy is strictly determined, the operation is simple, the imported pressure difference signal device, the structure is compact, and the space is saved.



## 产品细节（核心部件）

设备材质:SS304、SS316L、碳钢

设计压力:0.6MPa

密封圈材质:硅橡胶、三元乙丙橡胶、氟橡胶、聚四氟乙烯包氟橡胶

另注:

- (1) 可采用保温夹套设计，以保持或提高液体的温度，防止液体凝固，满足生产线对温度的需要；
- (2) 可将两台过滤器并联，模块化组合达到更高流量或连续生产。



## Product details (core components)

Equipment material: SS304, SS316L, carbon steel

Design pressure: 0.6MPa

Sealing ring material: silicone rubber, EPDM rubber, fluorine rubber, PTFE coated fluorine rubber

Remark:

- (1) The insulation jacket design can be used to maintain or increase the temperature of the liquid, prevent the liquid from solidifying, and meet the temperature needs of the production line;
- (2) Two filters can be connected in parallel, and the modular combination can achieve a higher flow rate or continuous production.

## 产品规格参数 Specification

| 串联可实现分级过滤；并联可实现在线更换滤袋<br>Series connection can realize grading filtration; parallel connection can realize online replacement of filter bags |  |
|--|--|
| 串联袋式过滤器 Tandem bag filter Housing  | 并联袋式过滤器 Parallel bag filter Housing                                  |
| 流入方式：顶入或侧入底出<br>Inflow method: Top in or side in and bottom out  | 流入方式：顶入或侧入底出<br>Inflow method: Top in or side in and bottom out      |
| 过滤面积 (m²) : 0.5<br>Flow area(m²): 0.5  | 过滤面积 (m²) : 0.5X2<br>Flow area(m²): 0.5X2                            |
| 最大流量(m³/h): 40<br>Max flow (m³/h): 40  | 最大流量(m³/h): 80<br>Max flow (m³/h): 80                                |
| 滤器容积(litre):32<br>Filter volum (litre): 32   | 滤器容积(litre):32X2<br>Filter volum (litre): 32X2                       |
| 设计压力(bar):10<br>Pressure (bar): 10   | 设计压力(bar):10<br>Pressure (bar): 10                                   |
| 标准联接(进/出):2" 国标法兰<br>Standard connection:(inlet/outlet):2" G flange  | 标准联接(进/出):2" 国标法兰<br>Standard connections:(inlet/outlet):2" G flange |
| 材质: SU304 SS316 SS316L<br>Materials: SU304 SS316 SS316L  | 材质: SU304 SS316 SS316L<br>Materials: SU304 SS316 SS316L              |



## 产品应用

双联过滤器采用国际水处理行业设备先进技术，致力于给水系统、循环水系统、污水系统及中水系统设备设计、制造、设备、调试及服务。可用于工业、农业、市政电力、电子、医药、食品、印染、建筑、钢铁、冶金、造纸等各行各业水过滤。

## Product application

The duplex filter adopts advanced equipment technology in the international water treatment industry, and is committed to the design, manufacture, equipment, commissioning and service of water supply systems, circulating water systems, sewage systems and reclaimed water systems. It can be used for water filtration in various industries such as industry, agriculture, municipal power, electronics, medicine, food, printing and dyeing, construction, steel, metallurgy, paper-making and so on.



## Basket filter 篮式过滤器

### 过滤器原理

主要由进出口接管、滤筒、滤篮、上盖、密封圈和紧固件等组成。当流体进入装有一定规格滤网的滤筒后，固体杂质颗粒被阻挡在滤篮内，而洁净的流体通过滤篮、由过滤器出口排出。当需要清洗时，打开排污阀，排净残液，拆卸上盖，取出滤篮清洗后重新装入即可。



### How does it work

Basket filter is mainly composed of inlet and outlet pipes, filter cartridges, filter baskets, upper covers, sealing rings and fasteners. When the fluid enters the filter cartridge equipped with a filter screen of a certain specification, the solid impurity particles are blocked in the filter basket, and the clean fluid passes through the filter basket and is discharged from the filter outlet. When cleaning is needed, open the drain valve, drain the remaining liquid, remove the upper cover, take out the filter basket, clean it, then reinstall it.

### 设备规格

设备材质：SS304、SS316L、碳钢  
设计压力：1.0MPa、1.6MPa、2.5MPa  
进出口类型：DN25-300法兰  
过滤孔径：10-500目及更高  
密封圈材质：硅橡胶、三元乙丙橡胶、氟橡胶  
过滤元件：金属单层滤篮、金属烧结滤篮等。

### Specification

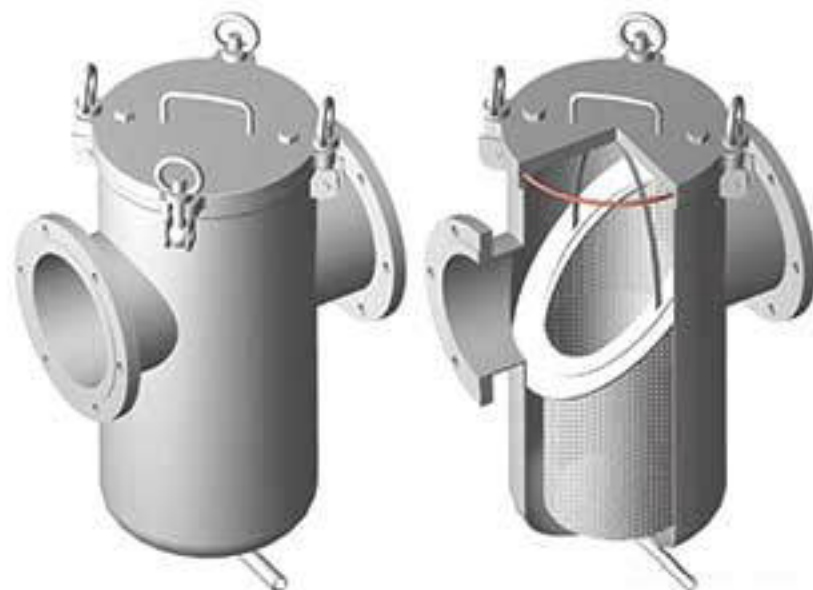
Material: AISI304, AISI316L, carbon steel  
Design pressure: 1.0MPa, 1.6MPa, 2.5MPa  
Inlet and outlet: DN25-300 flange  
Filter aperture: 10-500 mesh or higher  
Sealing ring: silicone rubber, EPDM, fluorine rubber  
Filter elements: metal single-layer filter basket, metal sintered filter basket, etc.





## 应用

篮式过滤器是输送介质管道上不可缺少的一种装置，通常安装在减压阀、泄压阀、定水位阀或其它设备的进口端，用来过滤介质中的杂质，以保护阀门及设备的正常使用。篮式过滤器广泛应用于：化工、石化、石油、造纸、采矿、电力、液化气、食品、制药、给排水、市政、机械设备配套、电子工业，城建等领域。



## Application

Basket filter is an indispensable device on the pipeline of conveying medium. It is usually installed at the inlet of pressure reducing valve, pressure relief valve, fixed water level valve or other equipment to filter impurities in the medium to protect the valve and equipment. Basket filter is widely used in the industries of chemical, petrochemical, petroleum, paper, mining, electric power, liquefied gas, food, pharmaceuticals, water supply and drainage, municipal project, mechanical equipment, electronics, construction and other fields.



## PP melt blown filter element PP熔喷滤芯

PP熔喷滤芯是采用无毒无味的聚丙烯粒子，经过加热熔融、喷丝、牵引、接受成形而制成的管状滤芯。如果原料以聚丙烯为主，就可以称做PP熔喷滤芯。不仅在水净化大批量使用，还具有杰出的化学兼容性，适用于强酸、强碱及有机溶剂的过滤。纳污能力强，使用寿命长，成本低。



过滤精度：1micron、3micron、5micron、10micron、20micron、30micron、60micron  
PP熔喷滤芯的过滤效率和过滤精度，滤芯孔径密度均匀，过滤效率达99%以上。

PP melt-blown filter element is a tubular filter element made of non-toxic and odorless polypropylene particles through heating, melting, spinning, traction, and forming. If the raw material is mainly polypropylene, it can be called PP melt blown filter element. It is not only used in large quantities for water purification. It also has outstanding chemical compatibility and is suitable for the filtration of strong acids, strong alkalis and organic solvents. Strong dirt holding capacity, long service life and low cost.

Filtration accuracy: 1micron, 3micron, 5micron, 10micron, 20micron, 30micron, 60micron

The filtration efficiency and accuracy of the PP melt blown filter element, the uniform pore density of the filter element, and the filtration efficiency of more than 99%.

PP熔喷滤芯过滤阻力小，滤流量大、纳污量大、使用寿命长，在生产过程中纤维直径及间隙可调，滤芯微孔内层小外层大，增大了流量和纳污量，滤芯不易阻塞，延长使用寿命。自身洁净度高，对水质无污染，耐酸耐碱和有机溶剂，腐蚀。强度大，过滤器进出口水压差超过0.4Mpa时滤芯不会变形，温度超过90℃时，过滤效率不会降低。本品对聚丙烯进行处理改性后具有极高的亲水性，能吸收十倍重的水，因此可用于油水分离。



PP meltblown filter element has low filtration resistance, large filter flow, large dirt holding capacity and long service life. The fiber diameter and gap can be adjusted during the production process. The inner layer of the filter element has small micropores and the outer layer is large, which increases the flow and holding capacity. The filter element is not easy to be blocked, and the service life is prolonged. It has high cleanliness, no pollution to water, acid and alkali resistance, organic solvents, and corrosion. High strength, the filter element will not deform when the water pressure difference between the inlet and outlet of the filter exceeds 0.4Mpa, and the filtration efficiency will not decrease when the temperature exceeds 90℃. This product has extremely high hydrophilicity after treatment and modification of polypropylene, and can absorb ten times the weight of water, so it can be used for oil-water separation.



## 制造工艺

PP熔喷滤芯的结构为外层纤维粗，内层纤维细，外层疏松，内层紧密的渐变径渐紧结构。独特的梯度深层过滤形成了立体滤渣效果，具有高孔隙率、高截留率、大纳污量、大流量、低压降的特点。

理论上讲，凡是热塑性(高温熔融，低温固化)聚合物切片原料均可用于熔喷滤芯的制作工艺。聚丙烯是熔喷工艺应用最多的一种切片原料，除此之外，熔喷工艺常用的聚合物切片原料有聚酯、聚酰胺、聚乙烯、聚四氟乙烯、聚苯乙烯、PBT、EMA、EVA等。烯烃类聚合物原料(如聚丙烯)的聚合度较高，因此加热温度高于其熔点100℃以上方能顺利熔喷，而聚酯加热温度稍高于其熔点就可熔喷。烯烃类原料一般不需要干燥。

PP熔喷滤芯的结构特点是纤维细度比较小，通常小于10微米，大多数纤维细度在1~4微米之间。

## Manufacturing process

The structure of PP meltblown filter element is a structure with thick outer fiber, thin inner fiber, loose outer layer and tight inner layer. The unique gradient deep filtration has formed a three-dimensional filter residue effect, which has the characteristics of high porosity, high rejection, large dirt holding capacity, large flow, and low pressure drop.



In theory, all thermoplastic (high temperature melting, low temperature solidification) polymer chip raw materials can be used in the production process of melt blown filter elements. Polypropylene is one of the most widely used chip materials for melt-blown technology. In addition, the commonly used polymer chip materials for melt-blown technology include polyester, polyamide, polyethylene, polytetrafluoroethylene, polystyrene, PBT, EMA, EVA, etc. Olefin polymer raw materials (such as polypropylene) have a high degree of polymerization, so the heating temperature is higher than its melting point 100 °C or higher can be melt blown smoothly,

while the polyester heating temperature is slightly higher than its melting point can be melt blown. Olefin raw materials generally do not need to be dried.

The structural feature of PP meltblown filter element is that the fiber fineness is relatively small, usually less than 10 microns, and most of the fiber fineness is between 1 and 4 microns.



- 1、根据过滤液体的精度及所含杂质选用滤芯，粘性液体可采用二级过滤，前级粗滤，降低阻力,延长滤芯使用寿命（一般为3-4倍）。
- 2、正确安装滤芯，如发现过滤水污染，应仔细检查滤芯是否歪斜，两端是否严格对齐、压紧。
- 3、当压差达到0.2MPa时应清洗或更换滤芯。

1. The filter element is selected according to the accuracy of the filtered liquid and the impurities contained in it. The viscous liquid can be filtered through two stages, pre-coarse filtration, to reduce resistance and prolong the service life of the filter element (generally 3-4 times).
2. Install the filter element correctly. If you find that the filtered water is polluted, you should carefully check whether the filter element is skewed, and whether the two ends are strictly aligned and compressed.
3. When the pressure difference reaches 0.2MPa, the filter element should be cleaned or replaced.



## 应用领域

医药工业：各种针剂、药液及针剂洗瓶水的预过滤，大输液以及各种抗菌素、中药注射剂的预过滤。

食品行业：酒类、饮料、饮用水的过滤。

电子工业：纯水、超纯水的预过滤。

石油及化学工业：各种有机溶剂、酸、碱液的过滤，油田注水过滤。

## Application fields

Pharmaceutical industry: pre-filtration of various injections, medicinal solutions and injection bottle washing water, pre-filtration of large infusions and various antibiotics and traditional Chinese medicine injections.

Food industry: filtration of alcohol, beverages and drinking water.

Electronics industry: pre-filtration of pure water and ultra-pure water.

Petroleum and chemical industry: filtration of various organic solvents, acids, lye, and oilfield water injection filtration.



## Wire wound filter element 线绕滤芯

线绕滤芯是由具有良好的过滤特性的纺织纱，精密缠绕在多孔骨架上精制而成的一种过滤芯，它在缠绕时通过纱的缠绕松紧度和稀密度，可控制成不同的精密度的过滤芯。外松内紧的加工工艺，赋予良好的预过滤效果。属于深度过滤，纳污能力强，使用寿命长。



The wire wound filter element is a kind of filter element made of textile yarn with good filtering characteristics and precisely wound on a porous skeleton. It can be controlled into a filter element of different precision through the winding tightness and thinness of the yarn during winding. The processing technology of outer loosening and inner tightening gives a good pre-filtering effect. It belongs to deep filtration, with strong dirt holding capacity and long service life.

### 技术参数

- 1、聚丙烯线绕滤芯可用水酸碱类，化学溶液等非有机溶液，使用温度 $\leq 60^{\circ}\text{C}$ ；
- 2、脱脂棉纤维滤芯中心杆为不锈钢材质用于有机溶剂，水、油、碱性溶液、饮料、医药等，使用温度 $120^{\circ}\text{C}$ ；
- 3、最高耐压： $\leq 0.5\text{MPa}$ ；最大压降： $0.2\text{MPa}$ ；
- 4、最高工作温度：丙纶线：聚丙烯骨架 $\leq 60^{\circ}\text{C}$ ；不锈钢骨架 $\leq 80^{\circ}\text{C}$ 。脱脂棉线：不锈钢骨架 $\leq 120^{\circ}\text{C}$ 。



### Technical parameter

1. Polypropylene wire wound filter element can be used for non-organic solutions such as water acid and alkali, chemical solutions, etc. The operating temperature is  $\leq 60^{\circ}\text{C}$ .
2. The center rod of the absorbent cotton fiber filter element is made of stainless steel for organic solvents, water, oil, alkaline solutions, beverages, medicines, etc. and the operating temperature is  $120^{\circ}\text{C}$ .
3. Maximum pressure:  $\leq 0.5\text{MPa}$ . Maximum pressure drop:  $0.2\text{MPa}$ .
4. Maximum working temperature- Polypropylene wire: polypropylene frame  $\leq 60^{\circ}\text{C}$ ; stainless steel frame  $\leq 80^{\circ}\text{C}$ . Absorbent cotton thread: stainless steel frame  $\leq 120^{\circ}\text{C}$ .

## 过滤精度

- 1、过滤精度： $1\mu\text{m}$ ,  $5\mu\text{m}$ ,  $10\mu\text{m}$ ,  $20\mu\text{m}$ ,  $30\mu\text{m}$ ,  $50\mu\text{m}$ ,  $75\mu\text{m}$ ,  $100\mu\text{m}$ ；
- 2、滤芯外径： $\phi 60\text{mm}$ ,  $\phi 65\text{mm}$ ；
- 3、滤芯内径： $\phi 28\text{mm}$ ,  $\phi 30\text{mm}$ ；
- 4、滤芯长度： $10''$ ,  $20''$ ,  $30''$ ,  $40''$ ；

## Filtration accuracy

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 filter element:  $\phi 60\text{mm}$ ,  $\phi 65\text{mm}$ .
3. Inner diameter of filter element:  $\phi 28\text{mm}$ ,  $\phi 30\text{mm}$ .
4. Filter element length:  $10''$ ,  $20''$ ,  $30''$ ,  $40''$ .



## 行业应用

适用于自来水、井水、食品饮料用水、生活用水、冷却循环水、锅炉供水、油田修井液及注水、有机溶剂、电镀液、油类、油墨、医药制品等过滤。

## Industry application

It is suitable for the filtration of tap water, well water, food and beverage water, domestic water, cooling circulating water, boiler water supply, oil field workover fluid and water injection, organic solvent, electroplating fluid, oil, ink, medical products, etc.





## Filter bag 滤袋

过滤袋材质：聚酯(PE)、聚丙烯(PO)、尼龙(MO)；  
尼龙单丝过滤袋 材质：尼龙单丝标准；  
钢环针刺毡滤袋 材质：PP、PE；

Filter bag material: polyester (PE), polypropylene (PO), nylon (MO).  
Nylon monofilament filter bag Material: nylon monofilament standard.  
Steel ring needle felt filter bag Material: PP, PE.



### 塑料圈热熔过滤袋

材质：PP针刺毡，热熔过滤袋的底部、侧面及领环连接的方法，都以热熔方式焊接，避免了线缝过滤缝制产生的针孔，适应于对精度要求更高的领域。

### 除油吸油过滤袋

材质：聚丙烯吸油棉+聚酯；

### 防掉毛过滤袋(MOPE、MOPO)

材质：尼龙(MO)/聚酯(PE)、尼龙(MO)/聚丙烯(PO)



### Hot-Melt Plastic Ring Filter Bag

Material: PP needle felt. The bottom, side and collar ring of the hot-melt filter bag are all welded by hot-melt to avoid pinholes caused by sewing, which is suitable for areas with higher precision requirements.

### Oil-absorbing and oil-absorbing filter bag

Material: polypropylene oil-absorbing cotton + polyester.

### Anti-linting filter bag (MOPE, MOPO)

Material: nylon (MO)/polyester (PE), nylon (MO)/polypropylene (PO).



## 滤袋优势

- 过滤袋采用无硅油降温的高速工业缝纫机生产，不会产生硅油污染问题；
- 精度级别，将过滤中比自身网眼大的杂质直接截留在材料表面；
- 由多层微米级的细纤维滤料构成，对碳氢化合物有很好的捕捉能力和容污能力；
- 15层不同密度和容污能力，大大提高过滤袋的使用寿命；
- 加入导电纤维和化学纤维混入导电滤材经过处理排除静电危险。

## Advantages of filter bags

- The filter bag is produced by a high-speed industrial sewing machine without silicone oil cooling, which will not cause silicone oil pollution problems.
- Accuracy level: impurities larger than its own mesh are directly trapped on the surface of the material during filtering process.
- It is composed of multi-layer micron-level fine fiber filter material, which has a good ability to capture hydrocarbons and hold dirt.
- 15 layers of different densities and dirt holding capacity greatly increase the service life of filter bags.
- The conductive fiber and chemical fiber are mixed into the conductive filter material and processed to eliminate the danger of static electricity.



## 应用领域

- 纺织，印染，造纸行业的各种液体净化；
- 食品及饮料：啤酒，白酒，瓶装水，茶饮料，乳制品，食用油等食品添加剂的流程净化和无菌处理；
- 石油及化工行业：润滑油，航煤及各种油品，催化剂，黏胶，树脂，双氧水，化学纤维制造过程中各种流体净化，有价值化工中间产品及化工产品的分离回收。
- 涂料，油漆油墨：乳胶漆，油漆原料和溶剂过滤，印刷油墨，打印油墨及添加剂过滤

## Application field

- Purification of various liquids in textile, printing and dyeing, papermaking industries.
- Food and beverages: process purification and aseptic treatment of food additives such as beer, liquor, bottled water, tea beverages, dairy products, edible oil, etc.
- Petroleum and chemical industry: lubricating oil, jet fuel and various oil products, catalysts, viscose, resin, hydrogen peroxide, purification of various fluids in the manufacturing process of chemical fiber, separation and recovery of valuable chemical intermediate products and chemical products.
- Coatings, paint inks: latex paint, paint raw materials and solvent filtration, printing ink and additive filtration.



## Activated carbon filter 活性炭滤芯

活性炭滤芯是以优质的果壳炭及煤质活性炭为原料，辅以食用级粘合剂，采用高科技技术，经特殊工艺加工而成，它集吸附、过滤、截获、催化作用于一体，能有效去除水中的有机物、余氯及其他放射性物质，并有脱色、去除异味的功效。是目前液体，空气净化行业中较为理想的新型换代产品。



Activated carbon filter element is made of high-quality nutshell charcoal and coal-based activated carbon as raw materials, supplemented by edible-grade binders, and is processed by high-tech and special processes. It integrates adsorption, filtration, interception, and catalysis. It removes organic matter, residual chlorine and other radioactive substances in the water, and has the effect of decolonizing and removing peculiar smell. It is an ideal new generation product in the liquid and air purification industry.

### 技术参数

使用温度：52℃  
 额定流量：≤300L/h(指每支250mm长滤芯过滤水的流量)  
 尺寸：外径 65mm 内径 30mm  
 长度：130+2mm 250+2mm(254) 500+2mm(508) 750+2mm(762) 1000+2(1016)  
 比表面积：800~1000 m<sup>2</sup>/g；四氯化碳吸附率：50~60%；  
 苯吸附量：20~25%；灰水份含量：≤3.5%；  
 碘吸附值：≥800~1000mg/g；亚甲基兰吸附值：14~16ml/g。

### Technical parameters

Operating temperature: 52℃  
 Rated flow rate: ≤300L/h (refers to the flow rate of filtered water per 250mm long filter element)  
 Size: outer diameter 65mm inner diameter 30mm  
 Length: 130+2mm 250+2mm(254) 500+2mm(508) 750+2mm(762) 1000+2(1016)  
 Specific surface area: 800~1000 m<sup>2</sup>/g; Carbon tetra-chloride adsorption rate: 50~60%;  
 Benzene adsorption capacity: 20~25%; Ash moisture content: ≤3.5%;  
 Iodine adsorption value: ≥800~1000mg/g; Methylene blue adsorption value: 14~16ml/g.

## 尺寸规格 Specification

| 长度<br>Length | 直径<br>Diameter (±1mm) |          | 精度<br>Precision (μm) |
|--------------|-----------------------|----------|----------------------|
|              | 外径 OD                 | 内径 ID    |                      |
| 10"          | 65~70 mm              |          | 5 ~ 10               |
| 20"          |                       | 28~30 mm |                      |
| 30"          |                       |          |                      |
| 40"          |                       |          |                      |

## 行业应用

电子、电力工业：纯水、气体、电液液、印刷线版等等。  
 化工、石油化工：溶剂、涂料、磁浆、洗涤剂、液腊等等。  
 医药制药工业：医院用水、制药针剂、中服液等等。  
 食品工业：食品、饮料、饮用水、酒类等等。

## Industry application

Electronics, electric power industry: pure water, gas, electrofluid, printing wire plate, etc.  
 Chemical, petrochemical: solvents, coatings, magnetic pulps, detergents, liquid candle, etc.  
 Pharmaceutical industry: hospital water, pharmaceutical injections, traditional Chinese medicine, etc.  
 Food industry: food, beverages, drinking water, alcohol, etc.





## Folded filter element 折叠式滤芯

折叠滤芯是以复合型折叠式微孔膜作为过滤的介质，通过膜表面的微孔筛选，达到一定的微粒过滤作用，具有过滤精度高、过滤面积大、过滤体积小、滤液质量好、流量大、操作使用简单方便的特点。折叠滤芯有平面型、226型、三耳222型、222型、215型、平面通型、平面封型、翅片型以及特殊小规格及226、222不锈钢接口型。材质有：聚丙烯滤芯、尼龙膜滤芯、聚偏二氟膜滤芯、聚四氟膜滤芯。



The folded filter element uses a composite folded microporous membrane as the filter medium, and filters through the micropores on the membrane surface to achieve a certain particle filtering effect. It has the characteristics of high filtration accuracy, large filtration area, small filtration volume, good filtrate quality, large flow, simple and convenient operation.

The folded filter element includes flat type, 226 type, three lug 222 type, 222 type, 215 type, flat through type, flat sealing type, warped piece type and special small specifications and 226, 222 stainless steel socket type. According to the material, it can be divided into polypropylene filter element, nylon membrane filter element, polyvinylidene fluoride membrane filter element and PTFE membrane filter element.

### 技术参数

适用PH值：1-12  
最高工作温度：≤80℃ 0.1Mpa时  
最高工作压力：0.3Mpa 50℃时  
最大反向压差：0.2Mpa 25℃时  
最高消毒温度：120℃每次半小时

### Technical parameters

Applicable PH value: 1-12  
Maximum working temperature: ≤80℃ (0.1Mpa)  
Maximum working pressure: 0.3Mpa (50℃)  
Maximum reverse pressure difference: 0.2Mpa (25℃)  
Maximum disinfection temperature: 120℃ for half an hour each time

### 行业应用

主要用于微过滤领域，用途广泛，可在众多行业如医药、生物、化工、食品饮料、酿造、石油、电子、水处理、机械、医疗、科研实验院所等。适合气（汽）体、液体等宽广范围。

### Industry application

The folded filter element is mainly used in the field of microfiltration and has a wide range of uses in many industries, such as medicine, biology, chemical industry, food and beverage, brewing, petroleum, electronics, water treatment, machinery, medical treatment, scientific research institutes, etc. It is suitable for a wide range of gas (vapor), liquid and so on.

### 尺寸规格 Dimensions

|  |  |
|--|--|
| 过滤精度<br>Filtration accuracy              | 0.1 μm 0.2 μm 0.45 μm 1 μm 3 μm 5 μm 10 μm 20 μm 30 μm 50 μm |
| 滤芯长度<br>Filter element length            | 5" 10" 20" 30" 40"   |
| 滤芯直径<br>Filter element diameter          | 69mm 83mm 131mm  |
| 滤芯内径<br>Inner diameter of filter element | 28mm~40mm  |

## Stainless Steel Water Nozzle 不锈钢水帽

不锈钢水帽主要用于液体和固体分离或气体和固体分离，防止过滤介质（砂、催化剂、树脂、硅酸盐、活性炭等）流失的作用。它的通常作为收集器和分配器，用于除盐装置、水软化器、以及压力和重力砂滤器中。在液体或气体的收集或分配过程中，通过设计水帽的数量和分布方式来达到特定的流量。



The stainless steel water nozzle is mainly used for the separation of liquid and solid or gas and solid to prevent the loss of filter media (sand, catalyst, resin, silicate, activated carbon, etc.). It is usually used as a collector and distributor for desalination devices, water softeners, and pressure and gravity sand filters. In the process of liquid or gas collection or distribution, the number and distribution of water caps are designed to achieve a specific flow rate.

水帽由水帽座、水帽盖板、带有筋条的梯形筛管和导流管构成。梯形筛管的中轴处设有一倒置固定于水帽座的通流阀杯，下口包容导流管上部伸进水帽座的部位，通流阀杯底部、壁部以及导流管被包容的上部管壁设有多个孔隙，并且在导流管顶端上设有一个可上下浮动的通流阀芯。通过对梯形筛管通流量、圆孔数量、孔径大小以及间隙距的设定，该水帽能满足反冲洗与过滤水流速在不同工艺状态下的各种流速比。

The water nozzle consists of a pedestal, a cover plate, a trapezoidal screen with ribs and a diversion tube. The central axis of the trapezoidal screen is provided with a flow-through valve cup that is inverted and fixed to the pedestal. The lower opening contains the part of the flow-guide tube that extends into the pedestal. The bottom, wall and flow-guide tube of the flow-through valve cup are contained. The upper pipe wall is provided with a plurality of pores, and a flow-through valve core that can float up and down is provided on the top of the draft tube. By setting the flow rate of the trapezoidal screen, the number of round holes, the size of the pore size and the gap distance, the water cap can meet the various flow rate ratios of the backwash and filtered water flow rates under different process conditions.





## 不锈钢水帽特点

通流面积大、不受温度影响、耐腐蚀、抗老化、使用寿命长、易更换，安全环保可靠等优点，可弥补塑料水帽强度差，耐压、耐温、抗老化性能差，容易破裂等不足。

### Features

Large flow area, not affected by temperature, corrosion resistance, anti-aging, long used life, easy replacement, safety, environmental protection and reliability, etc., And It can make up for the poor strength of the plastic nozzle filter, poor pressure resistance, temperature resistance, aging resistance, and easy to break Wait for insufficient.

## 不锈钢水帽的用途

不锈钢水帽广泛应用于电厂、石油、化工、医药、食品等行业的水处理设备领域，是水处理设备布水及水装置中的关键部件。

### Applications

Power plants, petroleum, chemical, pharmaceutical, food and beverage, etc.



## Stainless steel water distributor 不锈钢中排布水器

不锈钢梯形绕丝中排装置采用不锈钢梯形绕丝管式滤元作中排器件，可替代不锈钢管上开孔再包涤纶网套老式支管。本产品流通面积大、布水均匀、机械强度高，耐温性、耐压性、抗老化、抗腐蚀性都得到极大提高。



The stainless steel trapezoidal wire-wound Header Lateral device adopts stainless steel trapezoidal wire-wound tube filter element as the Header device, which can replace the old-fashioned branch pipe with a hole on the stainless steel tube and covered with a polyester mesh. This product has a large circulation area, uniform water distribution, high mechanical strength, temperature resistance, pressure resistance, aging resistance, and corrosion resistance.

### 优势

耐高温 (> 100° C)  
更大的通流面积  
缝隙均匀  
结构牢固  
过滤精度按需定制  
压力损失小  
使用寿命长/低维护成本

### Advantages

High temperature resistance (> 100 ° C)  
More flow area  
Well-distributed slots  
Firm structure  
Customized filtration accuracy  
Minimum pressure loss  
Long service life / low maintenance cost

## 布水器应用

集管根据需要有十字、鱼骨、直管等多种形式，广泛应用于电厂、石油、化工、医药、食品、污水处理等水处理设备领域，水厂和其他行业。设备补水和水装置的关键部件尤其广泛用于机械过滤器和离子交换器。



### Applications

The Header pipe has various forms according to needs, such as cross, fish-bone, straight pipe, etc., which are widely used in the field of water treatment equipment in power plants, petroleum, chemical, medicine, food, sewage treatment, water plants and other industries. The key components of equipment water replenishment and water devices are especially widely used in mechanical filters and ion ex-changers.



## Stainless steel resin trap 不锈钢树脂捕捉器

不锈钢树脂捕捉器是一种安全装置，用于离子交换装置、高纯水系统和活性炭和介质过滤器的出水管线。

Wedge Wire screen resin trap is a safety device used on the outlet pipe lines of ion exchange units, high-purity water systems and activated carbon and media filters.

### 不锈钢树脂捕捉器的特点

- 降低成本，因为楔形丝网的使用寿命很长。
- 对不同压力和温度的应力具有更强的抵抗力。
- 保持最大有效流通面积和运行效率。
- 最大限度地减少清洁堵塞筛网的昂贵停机时间。

### Features of Stainless Steel Resin Trap

- Reduced costs, since wedge wire screens have a very long life.
- Greater resistance to stresses of different pressure and temperature.
- Maximum effective flow area & operating efficiency is maintained.
- Costly downtime for cleaning plugged screens is minimize.

### 应用

水处理、树脂捕集器、油田、采矿、食品工业、化学工业、造纸工业、装饰。

### Applications

water treatment, resin traps, oilfield, mining, food industry, chemical industry, paper making industry, decoration.



## Stainless steel wire-wound tube(Screen Tube) 不锈钢绕丝管（筛管）

绕丝筛管被广泛应用于油、气、水井防沙工业，树脂捕捉等，是各种水资源过滤管中应用最为广泛的滤元之一。该产品由梯形丝绕组在呈圆周式排列的一组纵向支撑杆上焊制而成。绕丝与支撑杆连接在一起，通过连续性的绕丝来形成理想的缝隙尺寸。该滤元结构坚固、拉拔强度高、抗挤压强度大、耐腐蚀、耐高温、不易堵塞、容易冲洗等特点。



Wire-wrapped screens are widely used in oil, gas, and water well sand control industries, resin Trap and so on, and it is one of the most widely used filter elements in various water filter tubes. The product is made of trapezoidal wire winding welded on a group of longitudinal support rods arranged in a circle. The winding wire is connected with the support rod, and the ideal gap size is formed through continuous winding of the wire.

The filter element has the characteristics of sturdy structure, high drawing strength, high extrusion strength, corrosion resistance, high temperature resistance, not easy to block, easy to wash and so on.





## YUBO Filtration equipment — 优必欧过滤--我们的服务 **OUR SERVICE**

优必欧是一家面向全球的制造商、出口商和供应商，我们提供自清洗过滤器、袋式过滤器、筒式过滤器、离心固液过滤器、烛式过滤系统、篮式过滤器的过滤器等大型过滤设备设施。优必欧有自己的设计师团队、销售服务团队及成熟经验的技术工人。凭借多年的过滤经验，我们可以随时为您提供有关过滤工艺的建议及支持，我们力求帮您解决有关过滤工程的所有问题。

In the field of industrial screening, precision and reliability are the factors that count. Here, YUBO filtration equipment sets international standards in terms of quality and service based on our expert knowledge and longstanding experience in the development and manufacture of wedge wire screen sections. We furthermore benefit from our constructive contributions to all major standardization committees. YUBO filtration equipment are not only set the standard in many fields of the industry but are also convincing examples for solutions that are really tailored to your requirements.

From quarries over sand and gravel plants to screening of oil mud, from paint and powder manufacturers over chemical and pharmaceutical industry to food industry-industrial wedge wire screens by YUBO filtration equipment are used in almost every field. By constant exchange with engineers, manufacturers, and operators of screening machines, we make sure to always have the best screen section at your disposal.

### 技术支持/产品维护

通过具有成熟经验的技术人员，随着时间的推移优必欧保证工厂的效率。对于所有产品，优必欧在全球范围内提供定期维护服务并应特定客户要求。优必欧技术人员的专业精神和经验保证了工程的完美实现、执行速度和随之而来的显著经济节约。

### Technical Support/Product Maintenance

Based on more than 25 years of experience in the manufacture of wedge wire screen, YUBO has continuously enhanced industrial screening technology. In addition our portfolio comprises an extensive range of systems up to entire screening machines, offered in cooperation with our affiliates and partners all over the world who are always at your disposal for all services related to screening technology. YUBO filtration equipment's process-oriented quality management is certified pursuant to DIN EN ISO 9001:2015. Differentiated quality assurance guarantees a consistently high quality level for our customers, from the various types of wedge wire as a source material up to the finished product. We will gladly help you to find the optimum media for your screening process and are at your service at all times with our expert skills and know-how.

## 配件

我们提供范围广泛的高性能滤芯，包括楔形丝滤芯、折叠式、熔喷式、树脂粘合式和缠绕式滤芯。

对于优必欧而言，必须能够非常快速地对产品进行维护，以确保系统运行的连续性。

### Accessories

We offer wide range of high-performance filter elements, including wedge-wire filter elements, pleated, melt blown, resin bonded and wound filter elements.

For YUBO, it is necessary to be able to maintain the product very quickly to ensure the continuity of system operation.

## 产品定制

我们优秀的研发和工程师团队有能力提供所有过滤罐体设备产品的定制服务，帮助客户实现过滤要求。如果您有定制产品需求，请随时和我们联系，我们会迅速提供专业的设计和制造方案。

### Customized product

Our qualified R&D and engineering team is capable of customizing all of filter and parts, for helping customers to obtain perfect filtering performance. Feel free to contact us for any need of customization, professional designing and manufacturing service will be offered to you quickly.

