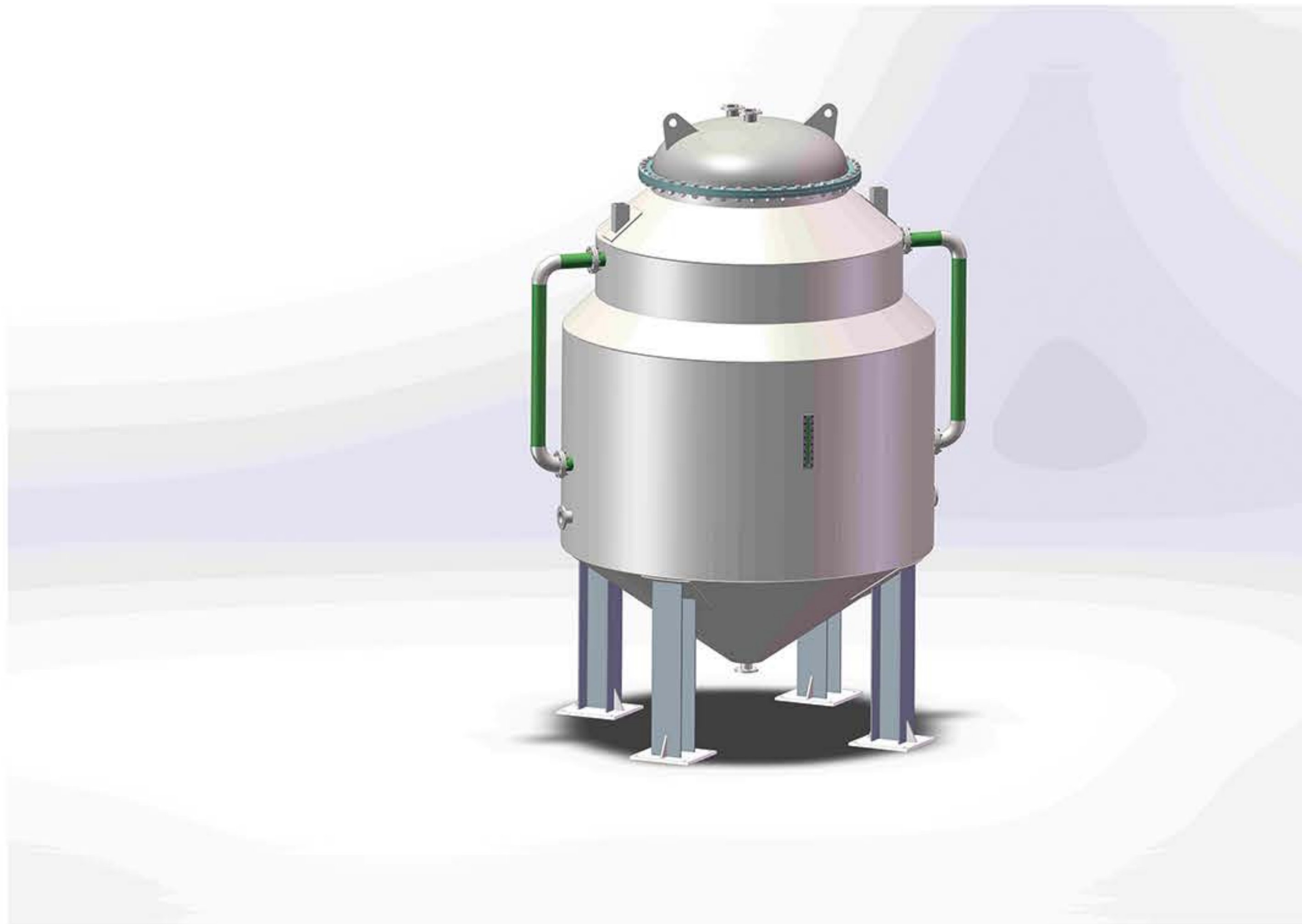


>> 性能简介

BOWP高浊度污水净化设备

BOWP High Turbidity Wastewater Purification Equipment



BOWP系统是将高浊度污水经混凝和絮凝后，再通过流体力学原理，在设备内形成絮凝体活性自过滤、自吸附层，来达到污水净化的目的。

>> Introduction

BOWP system is used to treat high turbidity wastewater through coagulation, flocculation, self-filtration and self-adsorption under the principle of fluid mechanics.

>> 性能特点

设备操作简单、出水水质高，全过程可实现自动化控制，运行成本低，设备占地面积小，水循环利用率高，可大幅度降低原水消耗，节约能源，经济效益和社会效益可观，适合玻璃、石材、陶瓷、新能源电池、耐火材料、洗煤、丝网印刷、电力、钢铁、造纸等行业高浊度污水净化处理。

>> Performance characteristics

BOWP system is easy to operate, with automatic control of the whole process, low operating cost, relatively small land use, high effluent quality and high water recycling efficiency. It can greatly reduce water consumption and save energy, which is suitable for industries needing high turbidity wastewater purification treatment, such as glass, rocks, ceramics, new energy batteries, refractory materials, coal washing, screen printing, electricity, steel, paper and others.

>> 性能参数

- 处理方式：可连续处理悬浮物含量高达100000 mg/L甚至更高的污水；
- 产水量：25m³/h/台*2（两台并联）；
- 水力停留时间：小于30分钟；
- 污泥压滤性：浓缩后污泥易压滤，压滤后泥饼含水量小于30%；
- 出水水质可达：SS: ≤20mg/L；
- 占地面积：是传统处理工艺20%；
- 设备尺寸：最大直径：2539mm，运输直径：2350mm，高度：5000mm，净重：2925KG*2；

>> Technical parameters

- Capability: continuously treatment with suspended solids content up to 100,000 mg/L or even higher;
- Water yield: 25m³/h/set * 2 (two sets in parallel);
- Hrt: less than 30 minutes;
- Sludge filterability: easy to filter, and the water content of the sludge cake after filtration is less than 30%;
- Effluent quality: SS: 20mg/L;
- Land use: 20% of traditional processing technology;
- Equipment size: maximum diameter: 2539mm, transportation diameter: 2350mm, height: 5000mm, net weight: 2925KG*2

>> 性能简介

超滤净化装置

The ultrafiltration purification



超滤净化装置可去除水中的悬浮物和胶体，同时去除原水中的高分子物质以及细菌、有机物等杂质，可直接用于工业用水或民用饮用水，也可串联到污水处理系统中，用于反渗透制纯水的原水。

超滤净化装置对于从稀溶液中分离溶质具有广泛的适应性；超滤过程无相态转化，不需加热，常温操作，节约能源，对热敏性物质的分离尤为适宜；超滤分离过程简单，配套装置少，操作运行简便，维护费用低；超滤膜耐化学药品腐蚀，PH 适应范围广；其有投资费用低，清洗简单等特点。

>> Introduction

The ultrafiltration purification device can remove suspended solids and colloids in water, as well as remove high molecular weight substances, bacteria, organic matter, and other impurities in the raw water. It can be directly used for industrial or civilian drinking water, or can be connected in series to the sewage treatment system for reverse osmosis to produce pure water.

Ultrafiltration purification devices have extensive adaptability for separating solutes from dilute solutions. The ultrafiltration process has no phase transformation, does not require heating, operates at room temperature, saves energy, and is particularly suitable for the separation of heat sensitive substances. The ultrafiltration separation process is simple, with few supporting devices, easy operation, and low maintenance costs. The ultrafiltration membrane is resistant to chemical corrosion and has a wide range of pH adaptability. It has the characteristics of low investment cost and simple cleaning.

>> 性能特点

- 结构紧凑，适用无机废水的去除悬浮物、降低浊度，阻拦大分子有机物的场所。
- 操作简单，自动进行防污堵冲洗，自动化程度高。
- 过滤元件精度高、可靠性及效率高。
- 设备操作简单、出水水质高，全过程可实现自动化控制，运行成本低，设备占地面积小，节约能源，经济效益和社会效益可观。
- 适合玻璃、陶瓷、石材、新能源电池、酸碱废水、洗煤、丝网印刷、电力、钢铁、造纸等行业高浊度污水净化处理。

>> Features

- Compact structure, suitable for removing suspended matter and reducing turbidity in inorganic wastewater, blocking macromolecular organic matter.
- High level of automation with automatic control of the whole process including automatic flushing against fouling.
- High precision, reliability, and efficiency of filter elements.
- Simple to operate, high effluent quality, low operating costs, small land use, energy-saving, large economic and social benefits.
- Suitable for purification of high-turbidity wastewater in industries such as glass, rocks, ceramics, new energy batteries, acidic & alkaline wastewater, coal washing, screen printing, electricity power generation, steel, paper manufacturing and others.

>> 性能参数

- 设备运行压力低，0.7-1Bar之间，设备能耗低。
- 产水量: 6m³/h*2（两台并联）；
- 出水水质 SS: ≤5mg/L;
- 设备尺寸: L: 2400mm, W: 1600mm, H: 2600mm, 净重: 640KG;

>> Technical parameters

- Operating pressure: between 0.7-1Bar
- Water yield: 6m³/h * 2 (two sets in parallel)
- Effluent quality: SS: ≤ 5mg/L;
- Equipment size: L: 2400mm, W: 1600mm, H: 2600mm, net weight: 640KG;

>> 性能简介

多价离子滤

Multi valent ion filtration



多价离子滤是在目前新兴技术膜技术的基础上，结合工业用自来水的相关技术要求，专业化更强的一种多价离子净化技术，适用于去除 Ca^{2+} 、 Mg^{2+} 、 Fe^{3+} 、 Fe^{2+} 、 SO_4^{2-} 、 F^- 达到优于自来水指标且替代自来水的标准。

>> Introduction

Multi valent ion filtration is a more specialized multi valent ion purification technology based on the current emerging technology of membrane technology, combined with the relevant technical requirements of industrial tap water. It is suitable for removing Ca^{2+} , Mg^{2+} , Fe^{3+} , Fe^{2+} , SO_4^{2-} , F^- to achieve better indicators than tap water and replace the standard of tap water.

The purification membrane of this technology is covered with many fine mold holes on the surface of the Semipermeable membrane. The surface of the membrane selectively adsorbs a layer of water molecules, while the salt solute is repelled by the membrane. The ions with higher valence state are repelled farther. The purpose of removing various ions is achieved by flowing pure water through the capillary action of Mode.

>> 设计特点

该技术的净化膜，是在半透膜的表皮上布满了许多级细的模孔，膜的表面选择性的吸附了一层水分子，盐类溶质则被膜排斥，化合价态愈高的离子被排斥愈远，通过末端毛细管作用流出纯水而达到除去各种离子的目的。

>> 性能参数

- 产水量: $2.5\text{m}^3/\text{h}$;
- 出水水质: 电导率小于 $300\text{us}/\text{cm}$;
- 设备尺寸: L: 2800mm, W: 1200mm, H: 1620mm, 净重: 450KG;

>> Technical parameters

- Water yield: $2.5\text{m}^3/\text{h}$;
- Effluent quality: conductivity of less than $300\text{us}/\text{cm}$;
- Equipment size: L: 2800mm, W: 1200mm, H: 1620mm, net weight: 450KG;

>> 性能简介

压滤机

Filter press



我公司研制生产的主导产品为防腐型压滤机，其设计科学，造型美观、通用性强、选材合理，坚固耐用，规格齐全。产品分为：自动、手动、厢式、板框式，其中滤板采用增强聚丙烯滤板，其过滤面采用点状圆锥凸台设计，模压成型，设计制造各种特殊性能压滤机，配置具有抗腐性的各种托盘的流槽。

>> Introduction

The leading product developed is the anti-corrosion filter press, which is scientifically designed, aesthetically pleasing, versatile, reasonably selected, sturdy and durable, with complete specifications. It has many types, such as automatic, manual, plate frame. The filter plate adopts reinforced polypropylene filter plate, and its filter surface adopts a point shaped conical convex design, molding, designing and manufacturing of various special performance filter presses with various tray flow runners with corrosion resistance.

>> 技术参数

- 电源:三相五线。380V (±10%) , 50HZ (5%) ;
- 有效过滤面积: 30m²;
- 滤板尺寸型号: 870*870mm;
- 滤板厚度: 55mm;
- 设备尺寸: L: 4500mm, W: 1400mm, H: 1300mm, 净重: 3800KG;

>> Technical parameters

- Power supply: three-phase five wire. 380V (± 10%), 50HZ (5%)
- Effective filtration area: 30 m²;
- Filter plate size: 870 * 870mm;
- Filter plate thickness: 55mm;
- Equipment dimensions: L: 4500mm, W: 1400mm, H: 1300mm, net weight: 3800KG;