

水聚清环境

SJQHW

- 污水处理解决方案
Sewage treatment solution
- 污泥处理解决方案
Sludge treatment solution
- 环保设备专业生产
Professional production of environmental protection equipment

依靠环境进步 促进环境保护

Rely on environmental progress to promote environmental protection

环保我们永恒的追求
碧水我们真切的向往
夯实远方的步履
用流溢的激情
净化脚下的土地

Environmental protection Our eternal pursuit
We really yearn for clear water
Consolidate the distant steps
With overflowing passion
Purify the land under your feet

企业简介

COMPANY PROFILE

潍坊水聚清环境工程有限公司是通过引进美国技术成立的一家集技术研发、产品生产、设计施工于一体的高科技企业。公司坐落于山东省潍坊市，东临海滨城市青岛市，南毗新兴港口日照市，地理位置优越，交通便捷，基础设置齐全。

公司拥有较强的非标设计、制造和服务能力，更为公司的技术研发增添了力量。公司具有环保工程设计及环保设备生产资质，可为用户提供技术咨询、工艺设计、场区平面布置、设备安装和调试等一条龙服务，公司主营环保设备及污水处理工程配套设施，其中带式压滤机、洗沙专用压滤机、真空过滤机、地埋式一体化污水处理设备、刮吸泥机、气浮机、机械过滤器等产品销量行业领先。

我公司依靠完善的生产检测设备，稳定可靠的产品质量，产品广泛应用于工业污水和市政生活污水的各个领域，设备现畅销全国，并出口到日本、荷兰、巴基斯坦及南美、非洲、东南亚等三十多个国家和地区。

“依靠环境进步，促进环境保护”，是公司永远的追求。水聚清环境全体员工热诚欢迎中外朋友光临指导、洽谈业务！

Weifang Shuijuqing Environmental Engineering Co., Ltd. is a high-tech enterprise integrating technology research and development, product production, design and construction, established by introducing American technology. The company is located in various cities in Shandong Province, adjacent to the coastal city of Qingdao in the east and the emerging port of Rizhao in the south. It has excellent location, convenient transportation and complete infrastructure.

The company has strong non-standard design, manufacturing and service capabilities, which adds strength to the company's technology research and development. The company has the qualification of environmental protection engineering design and production of environmental protection equipment, and can provide users with one-stop services such as technical consultation, process design, site layout, equipment installation and commissioning. The company is mainly engaged in environmental protection equipment and supporting facilities for sewage treatment engineering, including belt filter press, special filter press for sand washing, vacuum filter, buried integrated sewage treatment equipment, mud scraper, air flotation machine. Sales of mechanical filters and other products are leading in the industry.

Our company relies on perfect production and detection equipment, stable and reliable product quality, and the products are widely used in various fields of industrial sewage and municipal domestic sewage. The equipment is now sold nationwide and exported to more than 30 countries and regions such as Japan, the Netherlands, Pakistan, South America, Africa, and Southeast Asia.

"Relying on environmental progress to promote environmental protection" is the company's eternal pursuit. All staff of Shuijuqing Environment warmly welcome friends from home and abroad to visit and negotiate business!



荣誉资质

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地埋式一体化污水处理设备

BURIED INTEGRATED SEWAGE TREATMENT EQUIPMENT



设备简介

EQUIPMENT INTRODUCTION

随着我国对外开放的不断深入，旅游业及房地产业蓬勃发展，高级宾馆及别墅小区拔地而起，而高级宾馆及别墅小区往往又远离城市污水处理厂，给集中处理生活污水带来不便，为了保护环境，造福子孙后代。

我们公司生产的WSZ地埋式生活污水处理设备有碳钢防腐式、玻璃钢式两大系列，设备采用世界上先进的生物处理工艺，集去除BOD、COD、NH₃-N于一身，是目前最高效的污水处理设备。

With the continuous deepening of China's opening-up, the tourism and real estate industries have flourished. High-grade hotels and villas have sprung up. High-grade hotels and villas are often far away from urban sewage treatment plants, which brings inconvenience to the centralized treatment of domestic sewage. In order to protect the environment and benefit future generations.

The WSZ buried domestic sewage treatment equipment produced by our company has two series: carbon steel anti-corrosion type and glass fiber reinforced plastic type. The equipment adopts the world's advanced biological treatment technology, which integrates the removal of BOD, COD, NH₃-N, and is the most efficient sewage treatment equipment at present.

应用范围

SCOPE OF APPLICATION

适用于宾馆、饭店、疗养院、医院、学校、商场、居住小区、村镇、船舶码头、车站、机场、工厂、矿山、旅游景点等生活污水处理或者生活污水类似的各种工业有机污水的处理。

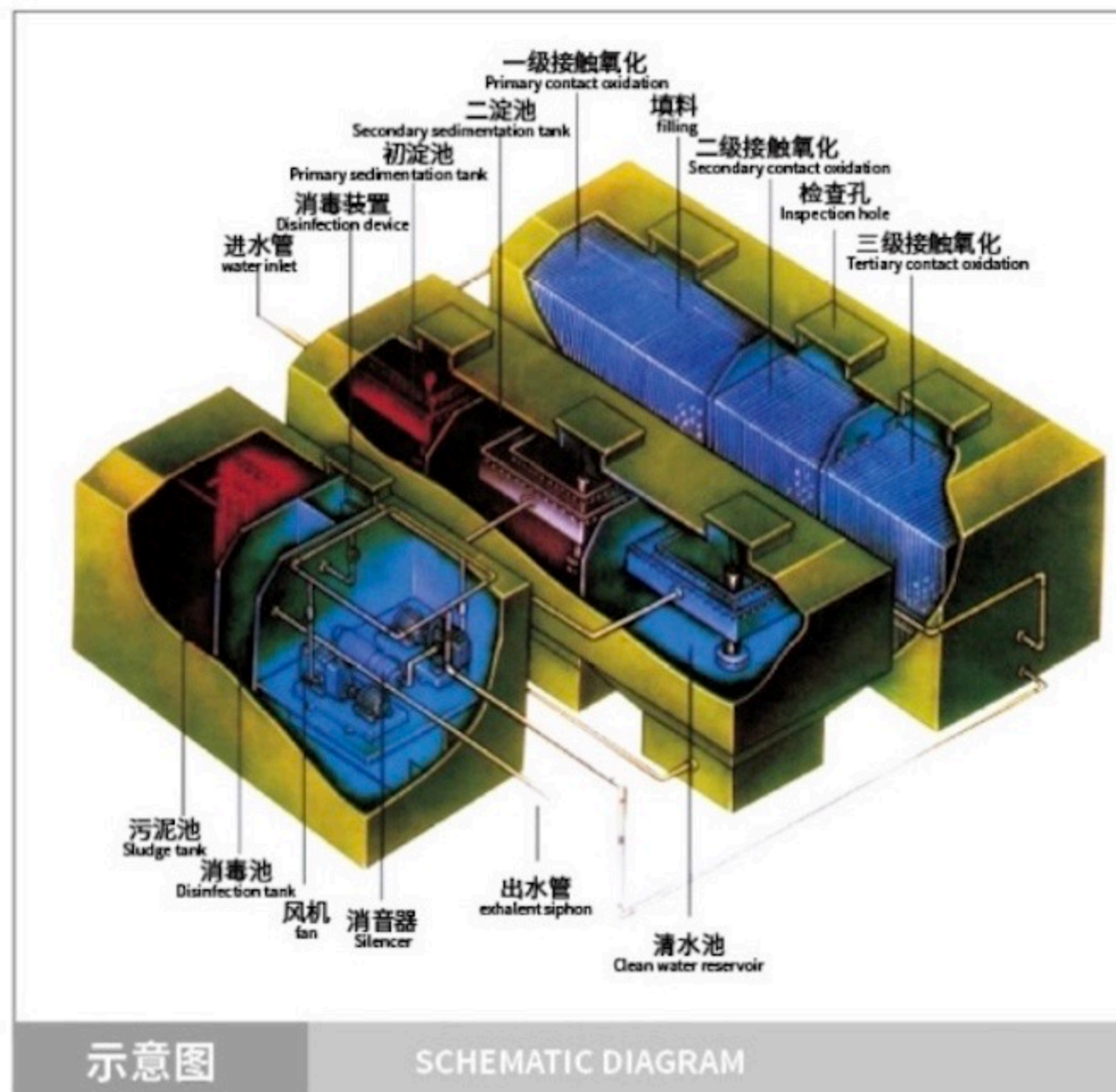
It is applicable to the treatment of domestic sewage such as hotels, restaurants, sanatoriums, hospitals, schools, shopping malls, residential quarters, villages and towns, ship wharves, stations, airports, factories, mines, tourist attractions, or various industrial organic sewage similar to domestic sewage.

► 结构原理

STRUCTURAL PRINCIPLE

污水处理设备去除有机物污染物及氨氮主要依赖于设备中的AO生物处理工艺。其中工作原理是在A级，由于污水有机物浓度很高，微生物处于缺氧状态，此时微生物为兼性微生物，它们将污水中的有机氮转化分解成NH₃-N合成新的细胞物质，所以A级池不仅具有一定的有机物去除功能，减轻后续好氧池的有机负荷，以利于硝化作用的进行，而且依靠原水中存在的较高浓度有机物完成反硝化作用，最终消除氮的富营养化污染。

The removal of organic pollutants and ammonia nitrogen by sewage treatment equipment mainly depends on the AO biological treatment process in the equipment. The working principle is that in Class A, because the concentration of organic matter in sewage is very high and the microorganism is in anoxic state, at this time, the microorganism is facultative microorganism, which converts and decomposes the organic nitrogen in sewage into NH₃-N to synthesize new cellular substances, so Class A tank not only has certain organic matter removal function, but also reduces the organic load of subsequent aerobic tanks, so as to facilitate the nitrification, In addition, denitrification depends on the high concentration of organic matter in the raw water to eliminate the eutrophication pollution of nitrogen.



► 技术参数

TECHNICAL PARAMETER

型号 model	WSZ1	WSZ2	WSZ3	WSZ5	WSZ7	WSZ10	WSZ15	WSZ20	WSZ25	WSZ30	WSZ40	WSZ50	
处理量 (m ³ /h) Treatment ability	1	2	3	5	7	10	15	20	25	25	40	50	
件数 (件) Piece	1	1	1	1	1	1	2	2	2	2	4	5	
风机 Air blower	风量 (m ³ /min) Modle	0.31	0.59	0.67	1.02	1.72	2.5	4.11	4.11	2.5×2	2.5×2	4.11×2	4.11×3
	风压 (m.mH ₂ O) Treatment ability	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	
	功率 (KW) Piece	0.55	0.75	1.5	1.5	2.2	3.7	5.5	5.5	3.7×2	3.7×2	5.5×2	5.5×3
水泵 Water pump	流量 (m ³ /h) Air blower	1	2	3	5	7	10	15	20	25	25	40	50
	扬程 (m) Water pump	8	8	8	8	8	8	8	8	8	8	8	
	功率 (KW) Area	0.55	0.55	0.55	0.75	0.75	0.75	0.75	1.5	1.5	1.5	3.7	5.5
面积 (m ²) Area	6	10	14	19	28	39	58	75	93	113	143	168	

膜生物反应器

MEMBRANE BIOREACTOR

▶ 设备简介

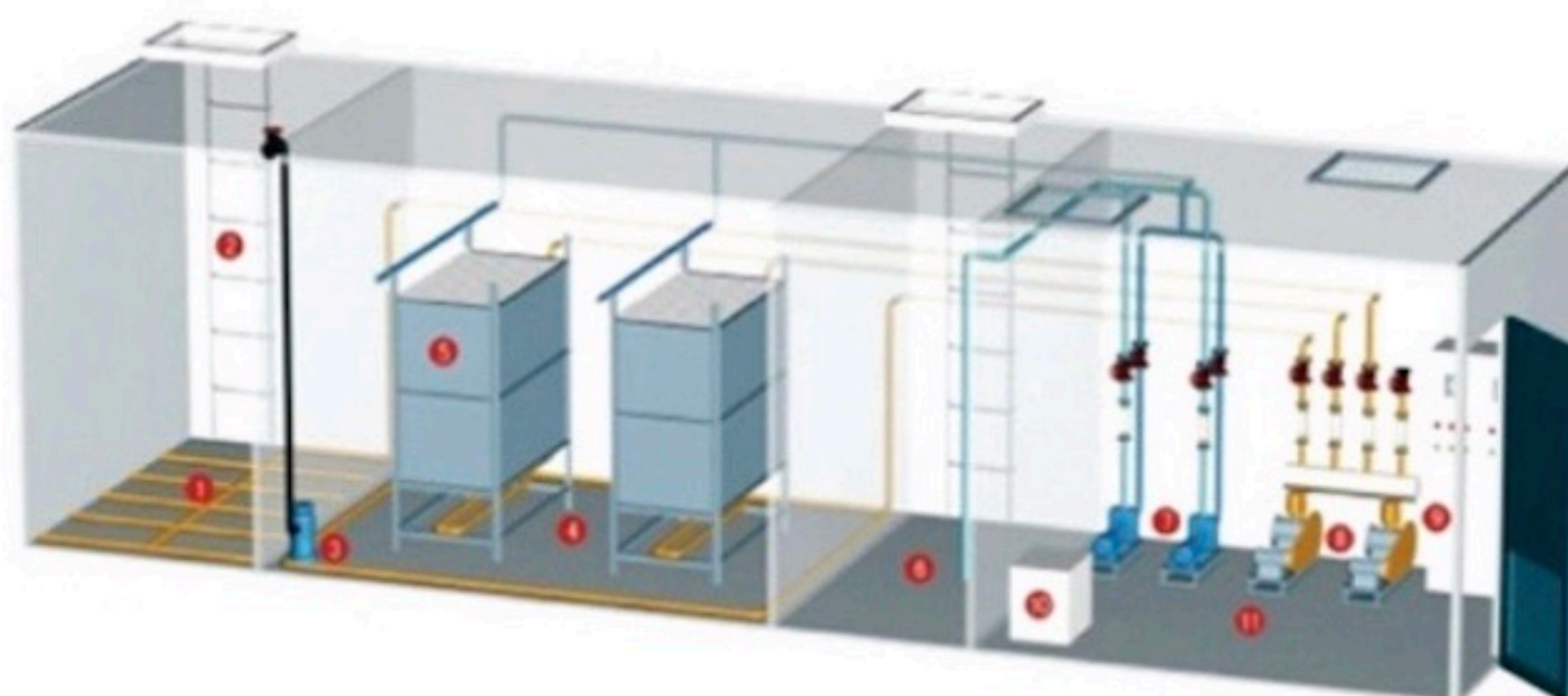
EQUIPMENT INTRODUCTION

当今世界缺水已成为人类共同面对的严酷现实。发达国家凭籍科学技术的优势，不断加大再生水回用和污水资源化再利用进程，大大缓解经济社会发展对水资源的迫切需要，成为解决水资源匮乏的有效途径。

膜生物反应器 (Membrane bioreactor, 简称 MBR) 为膜分离技术与生物处理技术有机结合之新型态废水处理系统。以膜组件取代传统生物处理技术末端二沉池，在生物反应器中保持高活性污泥浓度，提高生物处理有机负荷，从而减少污水处理设施占地面积，并通过保持低污泥负荷减少剩余污泥量。主要利用沉浸于好氧生物池内之膜分离设备截留槽内的活性污泥与大分子有机物。

Water shortage in the world today has become a harsh reality facing mankind. Developed countries, relying on the advantages of science and technology, continue to increase the process of renewable water reuse and sewage recycling, greatly alleviating the urgent need for water resources in economic and social development, and becoming an effective way to solve the shortage of water resources.

Membrane bioreactor (MBR) is a new type of wastewater treatment system that organically combines membrane separation technology and biological treatment technology. Replace the secondary sedimentation tank at the end of traditional biological treatment technology with membrane module, maintain high activated sludge concentration in the bioreactor, increase the organic load of biological treatment, thus reducing the floor area of sewage treatment facilities, and reduce the amount of residual sludge by maintaining low sludge load. The membrane separation equipment immersed in the aerobic biological tank is mainly used to intercept the activated sludge and macromolecular organics in the tank.



- 1、前端处理池
- 2、内扶梯
- 3、污泥泵
- 4、反应池
- 5、MBR 膜组件
- 6、清水池
- 7、抽吸泵
- 8、风机
- 9、电控柜
- 10、消毒装置
- 11、操作间

▶ 结构原理

STRUCTURAL PRINCIPLE

通过泵将生化池内的污泥 - 水混合液直接打入膜管内，在压力的驱动下进行固液分离，透过膜的清水进入产水箱或直接排放，而浓液再次回到生化池继续参与生化反应，外置式 MBR 与传统 MBR 相比省去了出水抽吸泵与间歇出水的控制单元，结构紧凑、占地面积小，易于实现自动化控制。

外置式 MBR 的膜组件安装在固液分离区的侧面，易于安装、拆卸，便于膜组件的维护和清洗。可应用于大型生活和工业污水处理。

The sludge-water mixture in the biochemical tank is directly pumped into the membrane pipe by the pump, and solid-liquid separation is carried out under the pressure drive. The clear water through the membrane enters the production tank or is directly discharged, while the thick liquid returns to the biochemical tank again to continue to participate in the biochemical reaction. Compared with the traditional MBR, the external MBR saves the control unit of the effluent suction pump and the effluent of the pump, which is compact in structure, small in floor area, and easy to achieve automatic control.

The membrane module of the external MBR is installed on the side of the solid-liquid separation area, which is easy to install, disassemble, and maintain and clean the membrane module. It can be applied to large-scale domestic and industrial sewage treatment.



▶ 技术参数

TECHNICAL PARAMETER

膜片型号 model	MBR-8	MBR-9	MBR-10
外形尺寸长 × 宽 (mm) Size	810×525	810×525	810×525
膜面积 (m ²) MBR area	8	8	8
产水量 (m ³) Water rate	1.0-1.2	1.0-1.2	1.0-1.2
出水浊度 (NTU) The water turbidity	< 1	< 1	< 1
出水悬浮物 (mg/l) The water suspended solids	< 10	< 10	< 10

一体化泵站

MEMBRANE BIOREACTOR

▶ 设备简介

EQUIPMENT INTRODUCTION

一体化泵站主要用于提升污水、雨水、饮用水和废水。它是一种集成化的水处理设备，通过科学的布局和紧凑的设计，实现了泵站的高效运行和管理的便捷性。一体化泵站可以有效地解决污水逆流现象，广泛应用于城市排水、污水处理、工业废水处理等领域。

Integrated pumping stations are mainly used to lift sewage, rainwater, drinking water, and wastewater. It is an integrated water treatment equipment that achieves efficient operation and convenient management of pump stations through scientific layout and compact design. Integrated pumping stations can effectively solve the problem of sewage backflow and are widely used in urban drainage, sewage treatment, industrial wastewater treatment, and other fields.



▶ 结构原理

STRUCTURAL PRINCIPLE

一体化泵站的工作原理是通过集水井将周围的地下水或水源引入泵站内部，水泵将水抽入泵站内部的水箱中，水箱起到储存水源的作用。当需要用水时，控制系统会根据水压的变化自动启动水泵，将水从水箱中抽出，并通过管道输送到需要的地方。

一体化泵站的优点包括占地面积小、安装简便、运行稳定、维护方便等。由于其集成化的设计，一体化泵站在城市排水、污水处理、工业废水处理等领域有着广泛的应用，未来有望成为泵站建设的主流方向。

The working principle of an integrated pump station is to introduce surrounding groundwater or water sources into the pump station through a collection well, and the water pump pumps the water into the water tank inside the pump station, which serves as a storage source for the water. When water is needed, the control system will automatically start the water pump according to the change in water pressure, extract water from the water tank, and transport it to the required location through pipelines.

The advantages of integrated pumping stations include small footprint, easy installation, stable operation, and convenient maintenance. Due to its integrated design, integrated pumping stations have a wide range of applications in urban drainage, sewage treatment, industrial wastewater treatment, and other fields, and are expected to become the mainstream direction of pumping station construction in the future.

浅层气浮机

SHALLOW AIR FLOTATION MACHINE

▶ 设备简介

EQUIPMENT INTRODUCTION

高效浅层气浮设备主机是指气浮设备中的分离部分，其中包括：池体、浮渣收集装置、溢流调节装置、旋转进水布水机构等。新型高效浅层气浮机与传统气浮机相比，改静态进水——静态出水为动态进水——静态出水，使悬浮物（SS）在相对静止的环境中垂直浮在水面上，污水在净化池内仅需 5-10min，处理效率极高。

The main machine of high-efficiency shallow air flotation equipment refers to the separation part of the air flotation equipment, including: pool body, scum collection device, overflow regulating device, rotating inlet water distributor, etc. Compared with the traditional air floatation machine, the new high-efficiency shallow air floatation machine changes the static influent - static effluent to the dynamic influent - static effluent, so that the suspended solids (SS) can float vertically on the water surface in a relatively static environment. The sewage in the purification tank only needs 5-10 minutes, and the treatment efficiency is very high.



▶ 应用范围

SCOPE OF APPLICATION

造纸废水	Papermaking wastewater
纺织工业废水	Textile industry wastewater
制糖工业废水	Wastewater from sugar industry
日用化工废水	Daily chemical wastewater

▶ 核心技术

CORE TECHNOLOGY

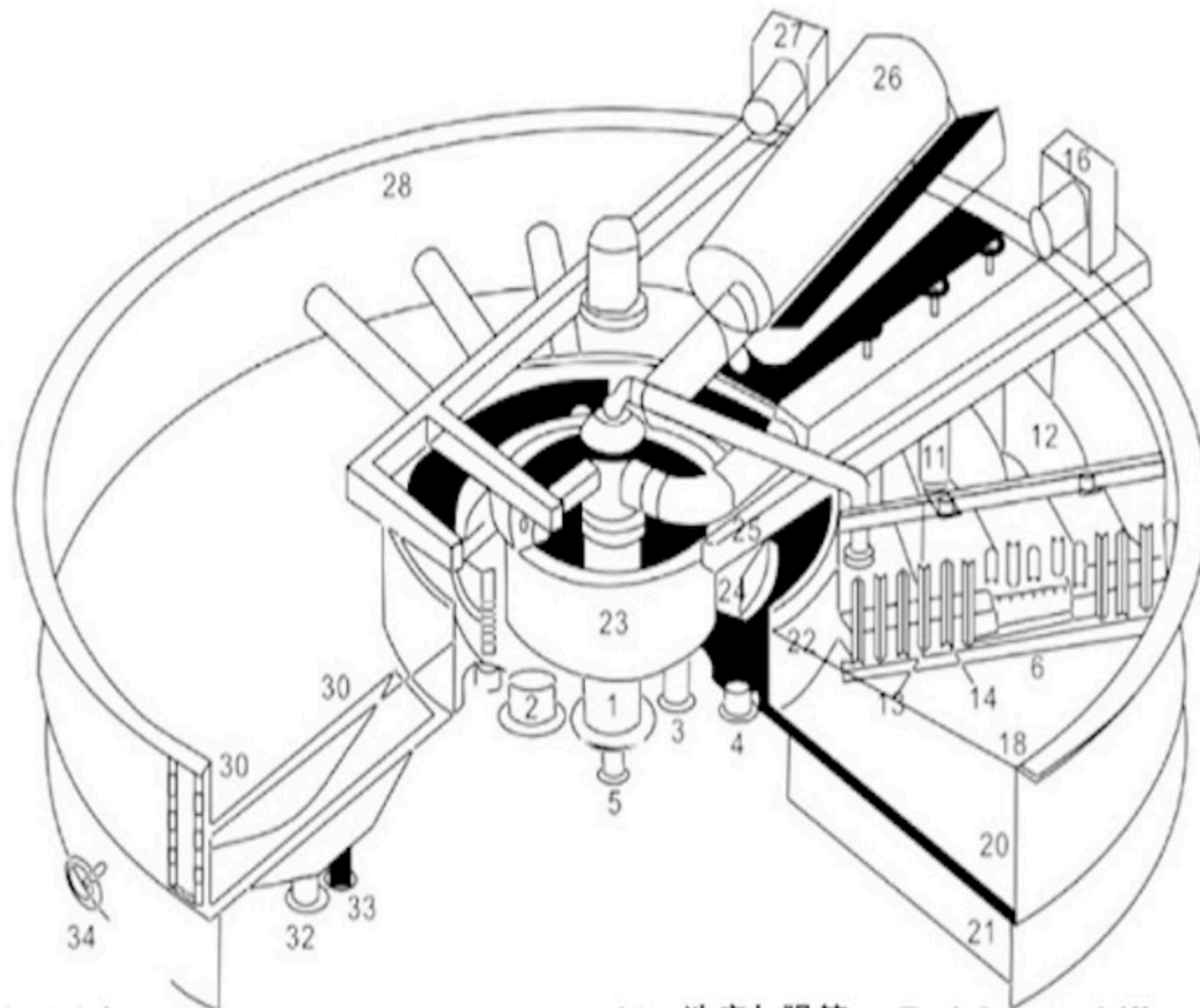
高效溶气及气泡发生技术	High-efficiency dissolved gas and bubble generation technology
零速原理	Zero speed principle
浅层理论	Shallow theory

▶ 技术优点

TECHNICAL ADVANTAGES

有效水深较浅，为 600-750mm
池内水力停留时间短 5-10min
净化量大，即表面负荷高
占地面积小，单位负荷轻
净化程度高，藻类等悬浮物去除率达 90% 以上
浓缩后污泥浓度达 35%

Effective water depth is shallow, 600-750mm
The hydraulic retention time in the tank is 5-10min short
Large purification capacity, i.e. high surface load
Small floor area and light unit load
The degree of purification is high, and the removal rate of suspended solids such as algae is more than 90%
The sludge concentration after concentration reaches 35%



- | | |
|---|---|
| 1、原水进口 — Raw Water Inlet | 21、池底加强筋 — Tank Bottom Stiffener / Bottom Reinforcement Rib |
| 2、清水出口 — Treated Water Outlet / Clear Water Outlet | 22、隔流圈 — Flow Baffle Ring / Flow Separation Ring |
| 3、浮渣出口 — Scum Outlet | 23、浮渣罐 — Scum Tank |
| 4、回流水出口 — Recirculated Water Outlet | 24、溢流堰 — Overflow Weir |
| 5、回流水进口 — Recirculated Water Inlet | 25、行走架 — Traveling Frame / Travelling Carriage |
| 6、旋转进水管 — Rotary Inlet Pipe | 26、浮渣收集斗 — Scum Collection Hopper |
| 7、柔性接头 — Flexible Joint | 27、浮渣斗驱动装置 — Scum Hopper Drive Unit |
| 8、加压水管 — Pressurized Water Pipe | 28、清水收集管 — Clear Water Collection Pipe |
| 9、旋转布水机构 — Rotary Water Distribution Mechanism | 29、集电装置 — Current Collector / Power Collector |
| 10、布水管 — Water Distribution Pipe | 30、观察窗 — Observation Window / Sight Glass |
| 11、布水管出口 — Water Distribution Pipe Outlet | 31、池底泥斗 — Tank Bottom Sludge Hopper |
| 12、分水板 — Flow Divider / Water Distribution Baffle | 32、排空管出口 — Drain Pipe Outlet / Emptying Pipe Outlet |
| 13、稳流装置 — Flow Stabilizer / Flow Stabilization Device | 33、排泥管出口 — Sludge Discharge Pipe Outlet |
| 14、池底刮板 — Tank Bottom Scraper | 34、水位控制调节轮 — Water Level Control Adjustment Wheel |
| 15、分水外侧板 — Outer Distribution Plate | |
| 16、驱动装置 — Drive Unit / Driving Device | |
| 17、驱动轮 — Drive Wheel | |
| 18、池沿 — Tank Rim / Tank Edge | |
| 19、浮渣斗出口 — Scum Hopper Outlet | |
| 20、池壁 — Tank Wall | |

▶ 技术参数

TECHNICAL PARAMETER

型号 model	QF-5	QF-10	QF-15	QF-10	QF-15	QF-10	QF-15
最大处理量 (m ³ /d)	1500	2200	3000	4500	6000	7500	10000
直径 (mm)	4000	5000	6000	7000	8000	9000	11000
圆盘总高度 (mm)	1100	1100	1100	1125	1150	1150	1200

竖流式溶气气浮机

VERTICAL FLOW DISSOLVED AIR FLOTATION MACHINE

▶ 设备简介

EQUIPMENT INTRODUCTION

竖流式溶气气浮为钢制结构，其工作原理是：空气通过泵送入压力溶气罐，在 0.5Mpa 压力下被强制溶解在水中，在突然释放的情况下，溶解在水中的空气析出，形成大量致密的微气泡群，在缓慢上升过程中吸附悬浮物，使悬浮物密度下降而上浮，达到去除 SS 和 COD 的目的。

该设备适用于石油、化工、造纸、皮革、印染、食品、淀粉等污水处理。

The vertical flow dissolved air flotation is a steel structure. Its working principle is: the air is pumped into the pressure dissolved air tank, and is forced to dissolve in the water under the pressure of 0.5Mpa. In the case of sudden release, the air dissolved in the water is separated out, forming a large number of dense microbubbles, and adsorbing the suspended solids in the slowly rising process, so that the density of the suspended solids decreases and floats upward, so as to achieve the purpose of removing SS and COD.

This equipment is applicable to sewage treatment of petroleum, chemical, paper, leather, printing and dyeing, food, starch, etc.



▶ 技术参数

TECHNICAL PARAMETER

型号 model	处理能力 m ³ /h productivity	罐体直径 (mm) Tank diameter	罐体高度 (mm) Height of tank
YF-5	5	1400	2500
YF-10	10	2000	2500
YF-15	20	2400	2500
YF-20	30	2400	3750
YF-50	50	2800	4000
YF-75	75	3400	4250
YF-100	100	4000	5000
YF-150	150	4800	5000
YF-200	200	5600	5500
YF-250	250	6000	5500
YF-300	300	6800	5500
YF-350	350	8000	5500
YF-400	400	8000	6000
YF-500	500	8500	6500
YF-750	750	10000	7000

平流式溶气气浮机

HORIZONTAL FLOW DISSOLVED AIR FLOTATION MACHINE

▶ 设备简介

EQUIPMENT INTRODUCTION

溶气气浮技术近年来广泛应用于排水和废水的处理，它可以有效的去除废水中的难以沉淀的轻浮絮体。处理能力强、效率高、占地少、适用范围广。

该设备被广泛适用于石油、化工、造纸、皮革、印染、食品、淀粉等污水处理。

In recent years, dissolved air flotation technology has been widely used in drainage and wastewater treatment. It can effectively remove the light floating flocs that are difficult to settle in wastewater. Large processing capacity, high efficiency, small land occupation and wide application range. The equipment is widely used in sewage treatment of petroleum, chemical, paper, leather, printing and dyeing, food, starch, etc.



▶ 技术参数

TECHNICAL PARAMETER

型号 model	处理能力 m ³ /h productivity	溶气水量 m ³ /h water volume	主电机功率 kw power	刮沫机功率 kw foam machine power	空压机功率 air compressor model	溶气罐规格 mm dissolving tank specifications	外形尺寸 mm overall dimension
RF-5	4-5	1.5-2	3	0.55	1.5	Φ400×1000	3000×2200×1900
RF-10	8-10	2-3	3	0.55	1.5	Φ500×1500	4000×2200×2400
RF-15	10-16	3.5-5	3	0.55	2.2	Φ500×1500	4500×2200×2400
RF-20	15-21	5-7	7.5	0.55	2.2	Φ500×1500	5000×2700×2400
RF-30	20-30	6-10	7.5	0.55	2.2	Φ500×1500	6000×2700×2400
RF-40	30-40	8-13	7.5	0.75	2.2	Φ600×1800	6000×3100×2400
RF-50	40-50	15-20	7.5	0.75	2.2	Φ600×1800	6500×3100×2400
RF-60	50-60	18-27	7.5	0.75	2.2	Φ600×1800	7000×3100×2600
RF-80	70-80	24-32	7.5	0.75	2.2	Φ650×1900	9000×3100×2600
RF-100	90-105	30-35	10	1.1	3	Φ700×2000	11000×3100×2600
RF-150	125-150	60-80	15	1.1	3	Φ700×2000	13000×3700×2600
RF-200	175-200	80-100	15	1.1	3	Φ800×2000	14000×3700×2600
RF-250	225-250	100-120	15	1.1	3	Φ800×2400	15000×3700×2600
RF-300	280-300	120-180	22	1.1	3	Φ1000×2900	16000×3700×2600

平流式气浮沉淀机

HORIZONTAL FLOW AIR FLOTATION SEDIMENTATION

▶ 设备简介

EQUIPMENT INTRODUCTION

在污水处理工艺中，固液分离是至为关键的一步。QC气浮沉淀一体机就是目前较为先进的固液分离设备之一。它源于它集混气浮、沉淀于一体，是专门驱除工业和城市污水中的油脂、胶状物以及固体悬浮物而设计的，它从废水中自动的分离出这些物质。同时还可以大大降低工业污水中的BOD和COD的含量，使污水处理达到排放标准以内，从而减少排污费用。另一个很重要的方面是，废水处理中产生的副产品常常能被回收和再利用。真正实现了一机多用、简化流程的功效。

In the sewage treatment process, solid-liquid separation is the key step. QC air flotation and sedimentation integrated machine is one of the more advanced solid-liquid separation equipment at present. It is designed to remove grease, colloid and solid suspended solids in industrial and urban sewage. It can automatically separate these substances from wastewater. At the same time, it can also greatly reduce the content of BOD and COD in industrial sewage, so that the sewage treatment can meet the discharge standard, thus reducing the cost of sewage discharge. Another important aspect is that the by-products produced in wastewater treatment can often be recycled and reused. It has truly realized the effect of multi-purpose and simplified process.



▶ 应用范围

SCOPE OF APPLICATION

The system achieves a removal rate of over 85% for COD and BOD, and over 90% for SS. Its power consumption is only one-tenth of that of conventional air flotation machines. Each sludge hopper is equipped with an independent sludge discharge pipe for separate, non-interfering sludge removal, ensuring the required sludge thickening concentration. It is widely applied in the compliance treatment of wastewater from industries including papermaking, chemical manufacturing, textile printing and dyeing, petroleum refining, starch processing, food production, as well as municipal sewage.

▶ 技术参数

TECHNICAL PARAMETER

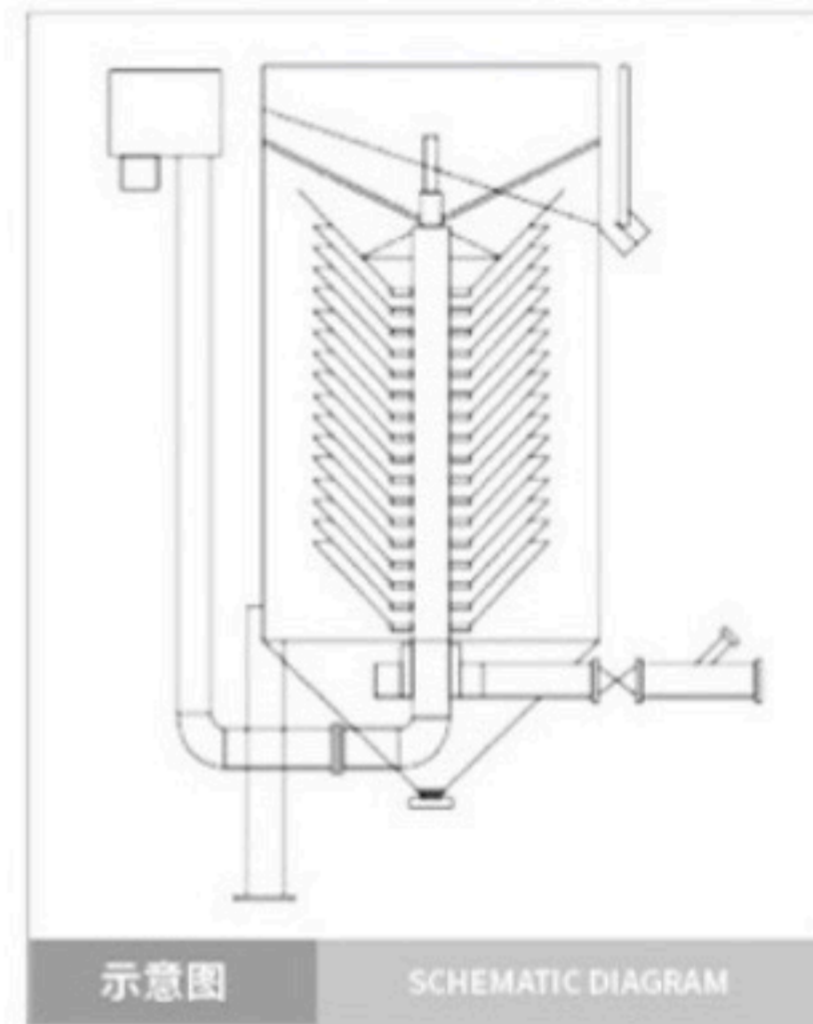
型号 model	处理能力 m ³ /h productivity	功率 kw power	长 m long	宽 m width	高 m high
QC-5	5	3.3	2.4	0.93	1.26
QC-10	10	3.3	3.05	1.23	1.26
QC-15	15	3.3	3.96	1.23	1.26
QC-20	20	3.3	4.57	1.23	1.26
QC-25	25	3.3	5.00	1.50	1.26
QC-30	30	3.3	5.90	1.52	1.26
QC-35	35	3.3	5.23	1.52	1.26
QC-50	50	3.3	6.00	1.80	1.83
QC-75	75	3.3	6.55	2.41	1.83
QC-100	100	5.5	7.71	2.41	1.83
QC-150	150	6.6	11.13	2.41	1.83
QC-175	175	8.8	12.95	2.41	1.83
QC-200	200	8.8	15.09	2.41	1.83
QC-320	320	11	15.09	3.05	1.83
QC-400	400	13.2	16.60	3.50	1.83
QC-500	500	15.4	20.60	4.40	1.83

微浮选溶气气浮机

MICRO FLOTATION DISSOLVED AIR FLOTATION MACHINE

▶ 设备简介

EQUIPMENT INTRODUCTION



示意图

SCHEMATIC DIAGRAM

溶气气浮机是最新研制推出的一种高科技型污水处理设备，该机广泛用于造纸工业、纤维产品工业、化工行业、木材加工工业、食品工业、采油工业、制革工业等产业部门的生产工艺过程的固液分离和废水处理。例如，在造纸工业中可有效的进行白水处理、工艺用水处理、净化废纸脱墨工程循环水及分离活性污泥。

The dissolved air flotation machine is a high-tech sewage treatment equipment newly developed and launched. It is widely used for solid-liquid separation and wastewater treatment in production processes in the paper industry, fiber product industry, chemical industry, wood processing industry, food industry, oil extraction industry, tanning industry, and other industrial sectors. For example, in the paper industry, white water treatment, process water treatment, purification of waste paper deinking engineering circulating water, and separation of activated sludge can be effectively carried out.

▶ 技术参数

TECHNICAL PARAMETER

型号 model	处理能力 m ³ /h productivity	罐体直径 mm tank diameter	罐体高度 mm height of tank
SYQWF-5	5	1400	2500
SYQWF-10	10	2000	2500
SYQWF-15	20	2400	2500
SYQWF-20	30	2400	3750
SYQWF-50	50	2800	4250
SYQWF-75	75	3200	4500
SYQWF-100	100	3300	6000
SYQWF-150	150	4600	5000
SYQWF-200	200	5600	5500
SYQWF-250	250	6000	5500
SYQWF-300	300	7000	5500
SYQWF-350	350	8000	5500
SYQWF-400	400	8000	6000
SYQWF-500	500	8500	6500
SYQWF-750	750	10000	7000

斜管沉淀池

INCLINED TUBE SEDIMENTATION TANK

▶ 设备简介

EQUIPMENT INTRODUCTION



斜管沉淀池是根据浅池沉淀理论设计出的一种高效组合式沉淀池；也统称为浅池沉淀池。在沉降区域设置许多密集的斜管或斜板，使水中悬浮杂质在斜板或斜管中进行沉淀，水沿斜板或斜管上升流动，分离出的泥渣在重力作用下沿着斜板（管）向下滑至池底，再集中排出，这种池子可以提高沉淀效率 50-60%，在同一面积上可提高处理能力 3-5 倍。可根据原废水的试验数据来设不同流量的斜管沉淀器，使用时一般都要投加凝聚剂。

Inclined tube sedimentation tank is a high-efficiency combined sedimentation tank designed according to the theory of shallow tank sedimentation; Also referred to as shallow sedimentation tank. Many dense inclined pipes or inclined plates are set in the settlement area to make the suspended impurities in the water settle in the inclined plate or inclined pipe. The water rises and flows along the inclined plate or inclined pipe. The separated mud slides down to the bottom of the tank under the action of gravity along the inclined plate (pipe), and then is discharged centrally. This kind of tank can improve the sedimentation efficiency by 50-60%, and the treatment capacity can be increased by 3-5 times in the same area. Inclined tube precipitators with different flow rates can be set according to the test data of raw wastewater, and coagulants are generally added when using.

▶ 设备特点

EQUIPMENT FEATURES

结构简单、无易损件、经久耐用、减少维修。
运行稳定、容易操作。
占地省、投资少、上马快、效率高。
停留时间短，沉淀效果高，处理效率高，不需污泥回流。

Simple structure, no wearing parts, durable and less maintenance.
Stable operation and easy operation.
It has the advantages of less land occupation, less investment, fast start and high efficiency.
The retention time is short, the sedimentation effect is high, the treatment efficiency is high, and the sludge reflux is not required.

▶ 技术参数

TECHNICAL PARAMETER

型号 model	额定处理量 (m ³ /h)	主体外形尺寸 (m)	工作压力 (mpa)	工作温度 (°C)	设备形式
SYQKG-50	50-75	4500×1900×3600	常压 Normal Pressure / Atmospheric Pressure	常温 Normal Temperature / Ambient Temperature	重力式 Gravity Type / Gravity Fed
SYQKG-100	100-125	5500×1900×4650			
SYQKG-150	150-180	6500×2250×4650			
SYQKG-200	185-220	7200×2500×4950			

高效纤维球过滤器

HIGH EFFICIENCY FIBER BALL FILTER

设备简介

EQUIPMENT INTRODUCTION

高效纤维球过滤器是压力过滤器中目前较为新型的水质精密处理设备。纤维球滤料具有密度小、柔性好、可压缩和空隙率大的特点，过滤时受到压力，纤维球互相的交叉，形成上松下密的滤层分布状态。纤维球以他独有的特质：极大的比表面积和孔隙率吸附同时截留水中的悬浮颗粒，充分发挥出滤料深层截污能力；纤维球具有不易沾污的特点，因此冲洗较为容易，进而用水率降低；还具有耐磨损、化学稳定性强的优点；当滤料受有机物污染严重时，还可以采用化学清洗方法再生，实用性强。

High efficiency fiber ball filter is a relatively new type of water quality precision treatment equipment among pressure filters. Fiber ball filter media have the characteristics of low density, good flexibility, compressibility, and high porosity. When subjected to pressure during filtration, fiber balls intersect with each other, forming a dense filter layer distribution state. The fiber ball has its unique characteristics: great specific surface area and porosity to absorb and retain suspended particles in water, giving full play to the deep sewage interception ability of the filter material; The fiber ball has the characteristics of not easy to stain, so it is easier to wash, thereby reducing the water consumption rate; It also has the advantages of wear resistance and strong chemical stability; When the filter material is seriously polluted by organic substances, chemical cleaning methods can also be used for regeneration, which is highly practical.



技术参数

TECHNICAL PARAMETER

型号 model	处理量 (m ³ /h)	功率 (kw)	a 过滤进水 反洗出水	b 过滤进水 反洗出水	c 排气	过滤面积 (m ²)	地基荷载 (t/m ²)
SYQXL-800	15	4	DN50	DN50	DN25	0.502	3.2
SYQXL-1000	20	4	DN65	DN65	DN32	0.785	3.0
SYQXL-1200	30	4	DN80	DN80	DN32	1.131	3.2
SYQXL-1600	60	5.5	DN100	DN100	DN32	2.011	3.8
SYQXL-2000	90	11	DN125	DN125	DN32	3.14	4.2
SYQXL-2400	130	18.5	DN150	DN150	DN40	4.52	4.4
SYQXL-2600	160	18.5	DN150	DN150	DN40	5.306	4.5
SYQXL-2800	180	22	DN200	DN200	DN40	6.154	4.7
SYQXL-3000	210	22	DN200	DN200	DN40	7.065	4.9

机械过滤器

MECHANICAL FILTER

▶ 设备简介

EQUIPMENT INTRODUCTION

机械过滤器是将需过滤的水经泵升压后通过滤层达到过滤目的，石英砂过滤可用于离子交换法软化、除盐系统的预处理反渗透装置的前置过滤，生活、工业废水过滤处理及水质要求不高的工业给水粗过滤及游泳池水过滤等，滤料粒度规格视水质要求而定。

Mechanical filter is used to pressurize the water to be filtered through a filter layer to achieve filtration purposes. Quartz sand filtration can be used for ion exchange softening, pre-treatment of desalination systems, pre filtration of reverse osmosis devices, filtration and treatment of domestic and industrial wastewater, coarse filtration of industrial feedwater with low water quality requirements, and swimming pool water filtration. The particle size specification of the filter material depends on water quality requirements.



▶ 技术参数

TECHNICAL PARAMETER

型号 model	直径×高 (mm×mm)	处理水量 (t/h)	功率 (kw)
SYQJG-500	φ500×1600	2	0.55
SYQJG-600	φ600×1680	3	0.75
SYQJG-800	φ800×2100	5	0.75
SYQJG-1000	φ1000×2200	7.5	1.1
SYQJG-1200	φ1200×2600	10	1.1
SYQJG-1400	φ1400×2800	15	1.5
SYQJG-1600	φ1600×3300	20	2.2
SYQJG-2000	φ2000×3600	30	3
SYQJG-2400	φ2400×4000	45	5.5
SYQJG-2600	φ2600×3800	50	5.5
SYQJG-3000	φ3000×4480	70	7.5
SYQJG-3600	φ3600×4600	100	11



二氧化氯发生器

CHLORINE DIOXIDE GENERATOR

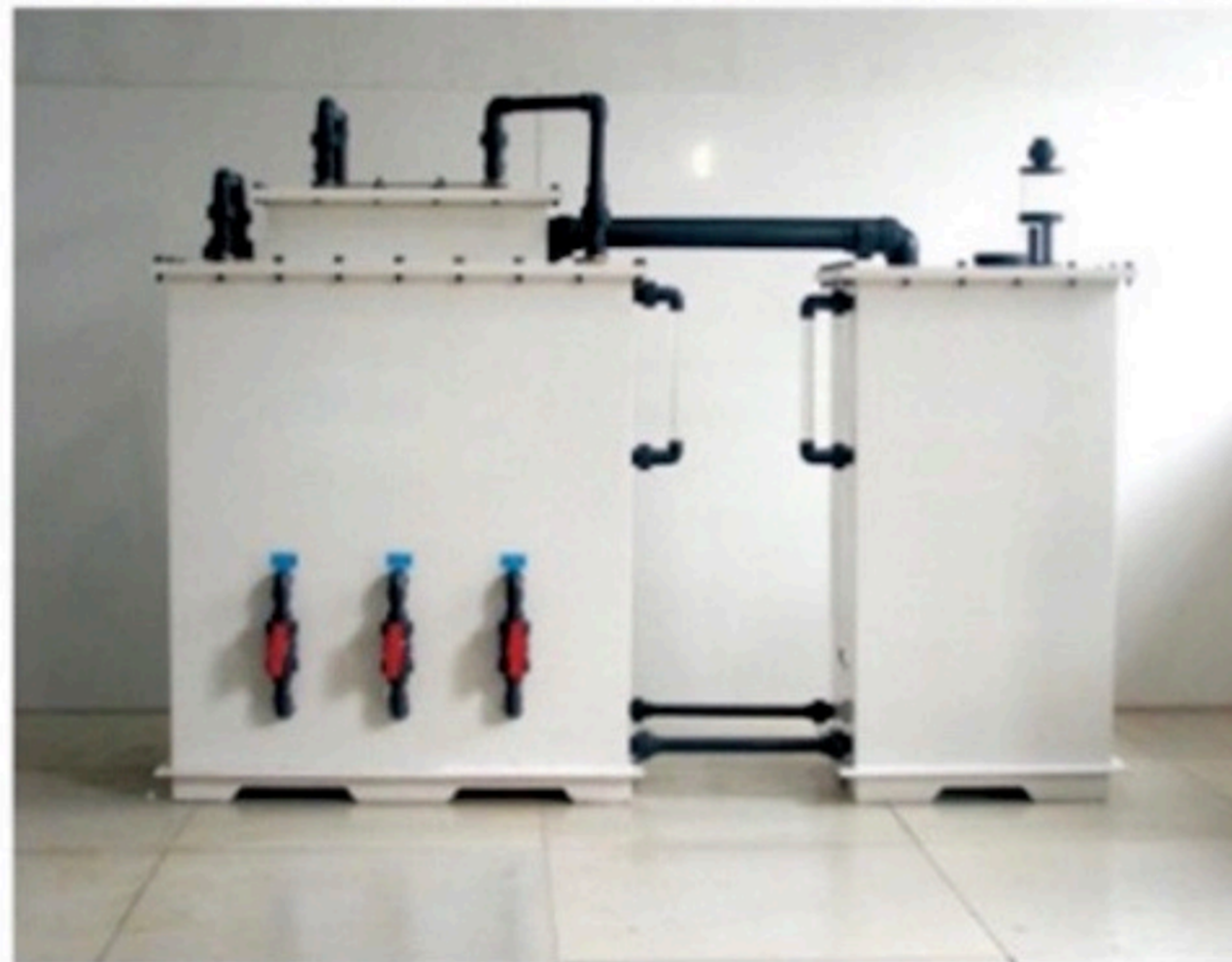
▶ 设备简介

EQUIPMENT INTRODUCTION

二氧化氯发生器作为一种新型的氧化剂和消毒剂，二氧化氯以其高效、广谱、无残留、无副产物的消毒能力和脱色、除臭、除异味等强氧化能力已经成为水处理领域的佼佼者。和紫外线、臭氧、次氯酸钠、液氯等传统的消毒剂相比二氧化氯有着独特的优势，它越来越成为专业人士的第一选择。

广泛适用于油田回注水、游泳池水、水产用水等领域的杀菌消毒灭藻。

Chlorine dioxide generator is a new type of oxidant and disinfectant. Chlorine dioxide has become a leader in the field of water treatment due to its high efficiency, broad-spectrum, residue free, and by-product free disinfection capabilities, as well as strong oxidation capabilities such as decolorization, deodorization, and odor removal. Compared with traditional disinfectants such as ultraviolet rays, ozone, sodium hypochlorite, and liquid chlorine, chlorine dioxide has unique advantages and is increasingly becoming the first choice for professionals. It is widely used for sterilization and algae killing in fields such as oilfield reinjection water, swimming pool water, aquatic water, etc.



▶ 技术参数

TECHNICAL PARAMETER

型号 model	产气量 (g/h)	动力水压力 (mpa)	DN ₁	DN ₂	功率 (kw)
SYQRFS-50	50	≥ 0.20	25	32	1.0
SYQRFS-100	100	≥ 0.20	25	32	1.0
SYQRFS-200	200	≥ 0.20	25	32	1.0
SYQRFS-300	300	≥ 0.20	25	32	1.0
SYQRFS-500	500	≥ 0.20	25	32	1.0
SYQRFS-800	800	≥ 0.25	25	32	1.0
SYQRFS-1000	1000	≥ 0.25	32	40	2.0
SYQRFS-2000	2000	≥ 0.25	32	40	2.0
SYQRFS-3000	3000	≥ 0.30	32	40	2.0
SYQRFS-4000	4000	≥ 0.30	40	50	2.0
SYQRFS-5000	5000	≥ 0.30	40	50	2.0
SYQRFS-6000	6000	≥ 0.30	40	50	3.0
SYQRFS-7000	7000	≥ 0.30	40	50	3.0
SYQRFS-10000	10000	≥ 0.30	50	60	3.0
SYQRFS-15000	15000	≥ 0.30	50	60	3.0
SYQRFS-20000	20000	≥ 0.30	50	60	3.0

自动隔油器

AUTOMATIC OIL SEPARATOR

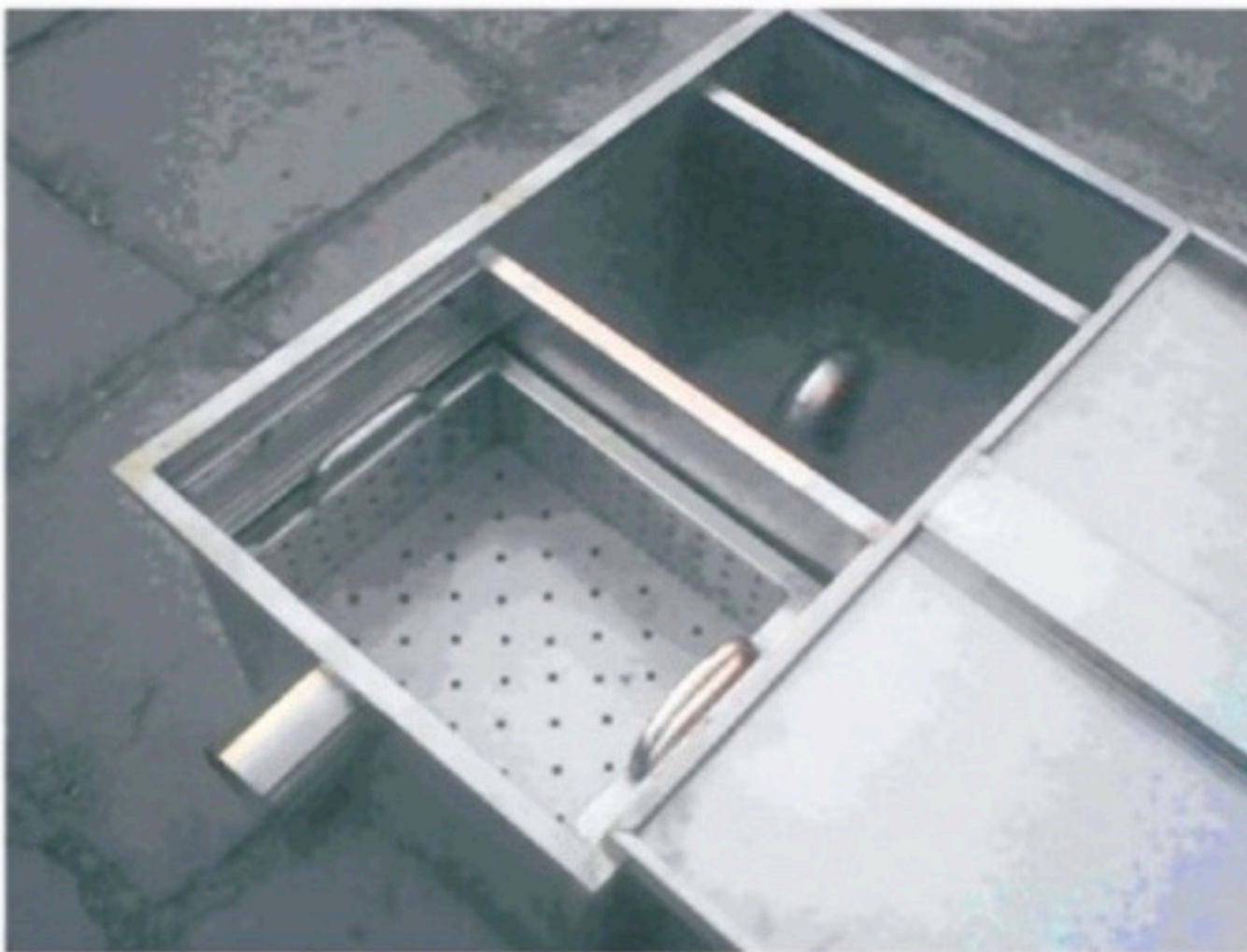
▶ 设备简介

EQUIPMENT INTRODUCTION

隔油器封闭结构，无臭无异味残渣拦截易清理。高效多级油水分离技术-聚合浮力排油，免维护设计结构紧凑、设计简洁、技术可靠辅热技术保障多不饱和油脂常温下的凝固现象设备一体化设计，紊流系数小，分离更高效。操作简单、维护费用低油污回收，节能减排。

该设备广泛应用于各类宾馆、饭店、高级招待所及营业性餐厅所属厨房排水管隔油清污之用，是厨房必备的隔油设备，以及车库排水管隔油的理想设备。

The oil separator has a closed structure, which is odorless and odorless, and the residue is easy to intercept and clean. High efficiency multistage oil water separation technology - polymerized buoyancy oil drainage, maintenance free design, compact structure, simple design, reliable technology, auxiliary heat technology to ensure the solidification of polyunsaturated fats at room temperature, equipment integration design, low flow coefficient, more efficient separation. Simple operation, low maintenance costs, oil pollution recovery, energy conservation and emission reduction. This equipment is widely used in various hotels, restaurants, senior hostels, and commercial restaurants for oil and dirt removal of kitchen drainage pipes. It is a necessary oil separation equipment for kitchens, as well as an ideal equipment for oil separation of garage drainage pipes.



▶ 设备特点

EQUIPMENT FEATURES

- 刮油系统自动工作，提高隔油率；
- 隔油区内设有气浮装置，使油脂形成微小气泡上浮，确保油水分离效果；
- 设有加温系统，避免了温度较低情况下油脂凝固，实现更好隔油效果；
- 设备在密封上做了细致的工作，基本实现全封闭，避免了气味的发散。

The oil scraping system works automatically to improve the oil separation rate;
The oil separation zone is equipped with an air flotation device to make the oil form tiny bubbles and float upward to ensure the oil-water separation effect;
It is equipped with a heating system to prevent the oil from solidifying under low temperature, and achieve better oil separation effect;
The equipment has done careful work on sealing, basically achieving full sealing and avoiding the emission of smell.

带式压滤机

BELT PRESSURE FILTER

设备简介

EQUIPMENT INTRODUCTION

带式压滤机是消化吸收国外先进技术研制开发的一种脱水设备。

双网带式压滤机操作自动化，人力最节省，机械性能优异，耐久性良，占地面积省；适用各种污泥脱水，效率高，处理量大；脱水能力强，污泥饼含水率低；节省能源，耗电力少，低速运转，无振动无噪音；具有处理能力大，脱水效率高，使用寿命长等优点。

Belt filter press is a dehydration equipment developed by digesting and absorbing foreign advanced technology.

The double-mesh belt filter press has automatic operation, the most labor saving, excellent mechanical performance, good durability and low floor area; Applicable to various sludge dewatering, with high efficiency and large treatment capacity; Strong dewatering capacity, low moisture content of sludge cake; Energy saving, low power consumption, low speed operation, no vibration and noise; It has the advantages of large processing capacity, high dehydration efficiency and long service life.

应用范围

SCOPE OF APPLICATION

该设备广泛用于冶金、矿山、化工、造纸、印染、皮革、电镀、酿造、煤炭、制糖等工业产生的各类污泥脱水。尤其是对活性污泥、冶金污泥、浮选精矿、尾矿(煤)脱水效果更佳。

The equipment is widely used for dewatering all kinds of sludge produced in industries such as gold, mining, chemical, paper, printing and dyeing, leather, electroplating, brewing, coal, sugar, etc. Especially for activated sludge, metallurgical sludge, flotation concentrate and tailings (coal), the dewatering effect is better.

技术参数

TECHNICAL PARAMETER

型号 model	处理量 (m ³ /h) throughput	电机功率 (kw) power of motor	空压机动力 (kw) Air compressor power	带宽 (mm) band width	进浆浓度 (%) inlet consistency	出浆浓度 (%) outlet consistency	长 (mm) length	宽 (mm) width	高 (mm) height
SYQYL500	0.5-4	0.75	1.1	500	3-8	25-40	4790	900	2040
SYQYL1000	3-6.5	1.5	2.2	1000	3-8	25-40	5300	1500	2300
SYQYL1500	4-9.5	1.5	3	1500	3-8	25-40	5300	2000	2300
SYQYL2000	5-13	2.2	4	2000	3-8	25-40	5300	2500	2300
SYQYL2500	7-15	4	5.5	2500	3-8	25-40	5300	3000	2300
SYQYL3000	8-20	5.5	5.5	3000	3-8	25-40	5300	3500	2300
SYQYL4000	12-30	7.5	7.5	4000	3-8	25-40	5800	4500	2300



三网污泥浓缩脱水一体机

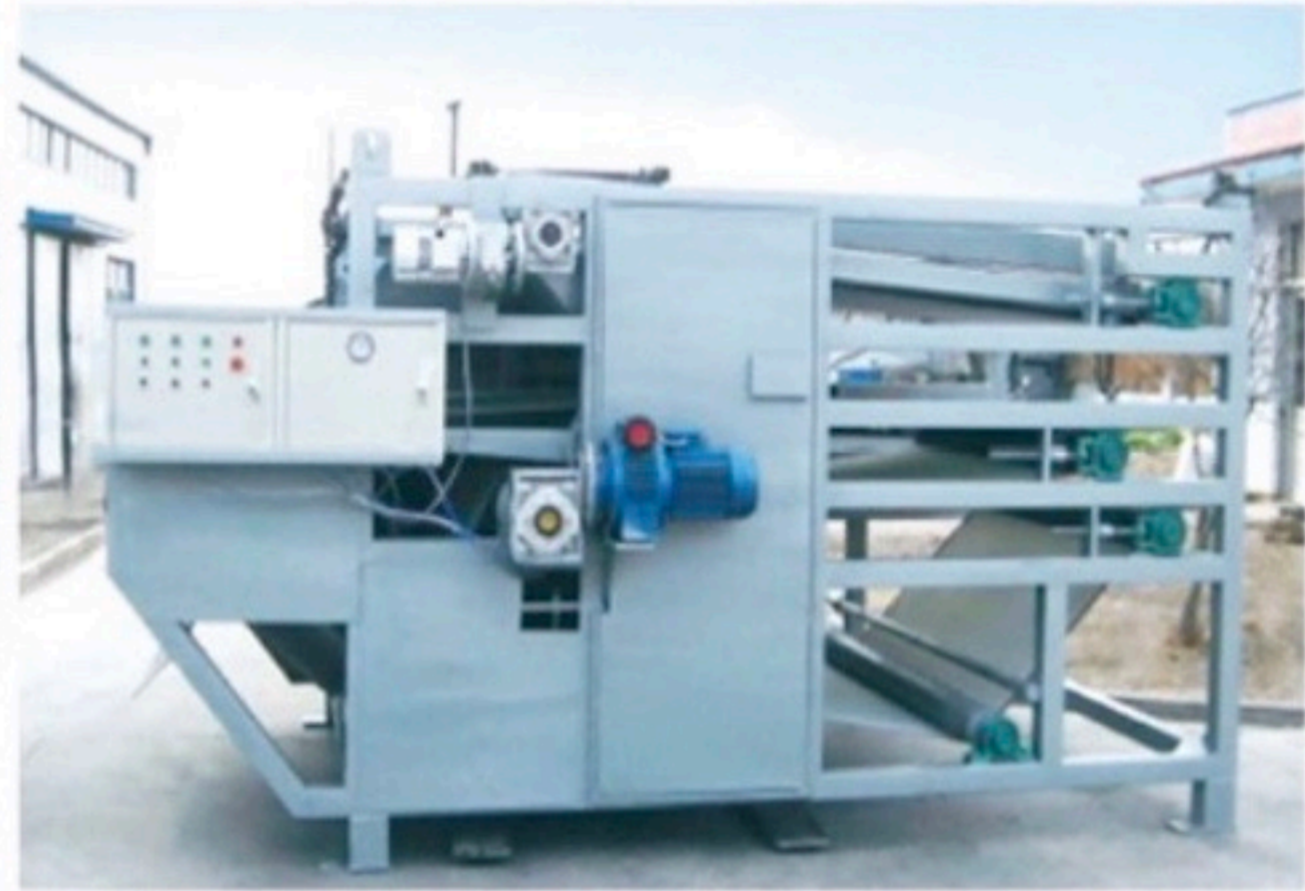
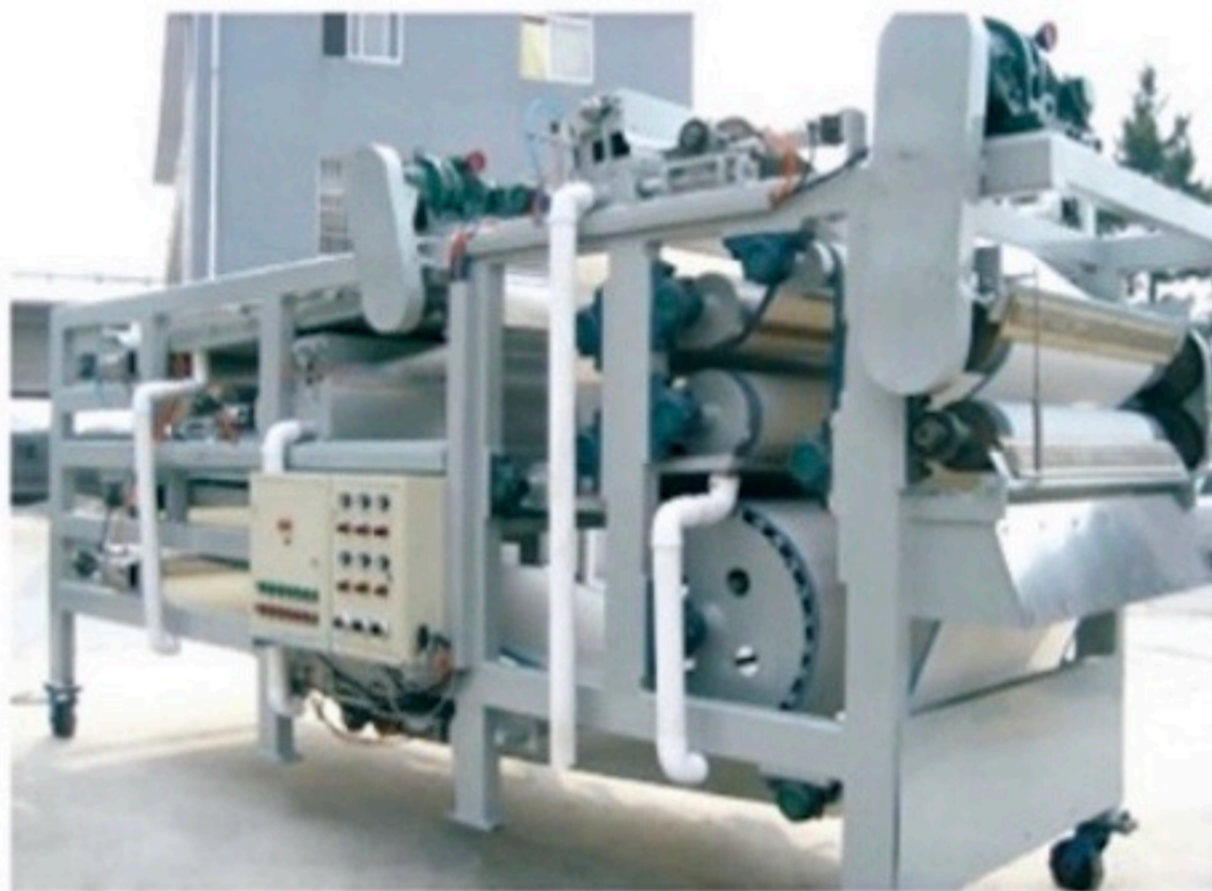
THREE-NETWORK SLUDGE THICKENING AND DEWATERING INTEGRATED MACHINE

► 设备简介

EQUIPMENT INTRODUCTION

污泥浓缩脱水一体机是一种新型高效连续运行的固液分离设备。它以聚醋网作为过滤介质，能把经过预处理含水率在 99.5 以下的各种悬浮液，经过多级压榨脱水成泥饼状（其脱水后含水率随不同物料而异）。本产品适用于城市污水产生的混合污泥、消化污泥和剩余活性污泥的脱水。该设备广泛用于冶金、矿山、化工、造纸、印染、皮革、电镀酿造、煤炭、制糖等工业产生的各类污泥脱水。尤其是对活性污泥、冶金污泥、浮选精矿、尾矿（煤）脱水效果更佳。

The sludge thickening and dehydration integrated machine is a new type of efficient and continuous solid-liquid separation equipment. It uses a polyvinyl chloride mesh as a filtering medium and can dehydrate various suspensions with a water content below 99.5 after pre-treatment into a mud cake shape through multistage pressing (the water content after dehydration varies with different materials). This product is suitable for dehydration of mixed sludge, digested sludge, and surplus activated sludge generated from urban sewage. This equipment is widely used for dewatering various types of sludge produced in industries such as metallurgy, mining, chemical industry, papermaking, printing and dyeing, leather, electroplating and brewing, coal, sugar making, etc. Especially for activated sludge, metallurgical sludge, flotation concentrate, and tailings (coal), the dehydration effect is better.



► 技术参数

TECHNICAL PARAMETER

型号 model	SYQSW-500	SYQSW-1000	SYQSW-1500	SYQSW-2000	SYQSW-2500	SYQSW-3000	
空压机功率 (kw) Air compressor power	1.5	2.2	3	3	4	5.5	
带宽 (mm) bandwidth	1080	1580	2170	2650	3125	3625	
处理量 (m ³ /h) processing	0.5-3.0	3-6.5	4-9.5	5-13	7-16	8-20	
浓缩机尺寸 (mm) thickener size	2050×900×1600	2050×1400×1600	2050×1900×1600	2050×2400×1600	2050×2900×1600	2050×2900×1600	
脱水机尺寸 (mm) Size of dehydrator	4150×900×2300	4150×1400×2300	4150×1900×2300	4150×2400×2300	4150×2900×2300	4150×3400×2300	
滤带长度 (mm) Filter belt length	浓缩机 Thickener	7680					
	脱水机 Dehydrator	14600					
滤带速度 (m/min) Belt speed	上网 surf the Internet	16350					
	下网 let down the nets	3.4-17					
电机功率 (kw) Motor power	浓缩机 Thickener	1.0-5.4					
	脱水机 Dehydrator	0.75	0.75	0.75	0.75	0.75	0.75
	脱水机 Dehydrator	1.5	1.5	1.5	1.5	1.5	1.5

连续带式真空过滤机

CONTINUOUS BELT VACUUM FILTER

▶ 设备简介

EQUIPMENT INTRODUCTION

真空带式过滤机以滤布为过滤介质，是充分利用物料重力和真空吸力实现固液分离的高效分离设备。采用整体的环形橡胶带作为真空室。环形胶带由电机拖动连续运行，滤布铺在胶带上与之同步运行，胶带与真空滑台上环形摩擦带接触并形成水密封。料浆由布料器均匀地布在滤布上，当真空室接通真空系统时，在胶带上形成真空抽滤区，滤液穿过滤布经胶带上的横沟槽汇总并由小孔进入真空室，固体颗粒被截留在滤布上形成滤饼。

该设备广泛应用于冶金、矿山、化工、造纸、食品、制药、环保等领域中的固液分离，尤其在烟气脱硫中的石膏脱水方面 (FGD) 应用广泛。

The vacuum belt filter uses filter cloth as the filtering medium, and is an efficient separation device that fully utilizes the gravity and vacuum suction of materials to achieve solid-liquid separation. An integral annular rubber belt is used as the vacuum chamber. The annular tape is continuously driven by a motor, and the filter cloth is laid on the tape to operate synchronously. The tape contacts the annular friction belt on the vacuum slide and forms a water seal. The slurry is uniformly distributed on the filter cloth by a distributor. When the vacuum chamber is connected to the vacuum system, a vacuum suction filtration zone is formed on the adhesive tape. The filtrate passes through the filter cloth, passes through the transverse grooves on the adhesive tape, and enters the vacuum chamber through small holes. Solid particles are trapped on the filter cloth to form a filter cake. This equipment is widely used in solid-liquid separation in fields such as metallurgy, mining, chemical engineering, papermaking, food, pharmaceutical, environmental protection, etc., especially in gypsum dehydration (FGD) in flue gas desulfurization.



▶ 设备特点

EQUIPMENT FEATURES

环形胶带排液带，抗拉强度大，使用寿命长。真空盒和胶带间设有环形摩擦带，并以水进行密封和润滑，有利于减少胶带的摩擦。

胶带采用芯轴式密封托辊或水膜支撑，减少了运行阻力，有利于延长胶带的使用寿命。

真空排液采用自由落差式、自动排水式等多种方法，以满足各种工况需要。

整体结构采用模块式设计，可灵活组装，且便于运输和安装。

控制系统应用了 DCS 技术可实现现场和远程自动控制。

The annular belt drainage belt has high tensile strength and long service life. There is a annular friction belt between the vacuum box and the tape, which is sealed and lubricated with water, which is conducive to reducing the friction of the tape.

The belt is supported by a mandrel sealing roller or water film, which reduces the running resistance and is conducive to extending the service life of the belt.

Vacuum drainage adopts free fall type, automatic drainage type and other methods to meet the needs of various working conditions.

The overall structure adopts modular design, which can be flexibly assembled and convenient for transportation and installation.

The control system applies DCS technology to realize on-site and remote automatic control.

板框 / 厢式污泥压滤机

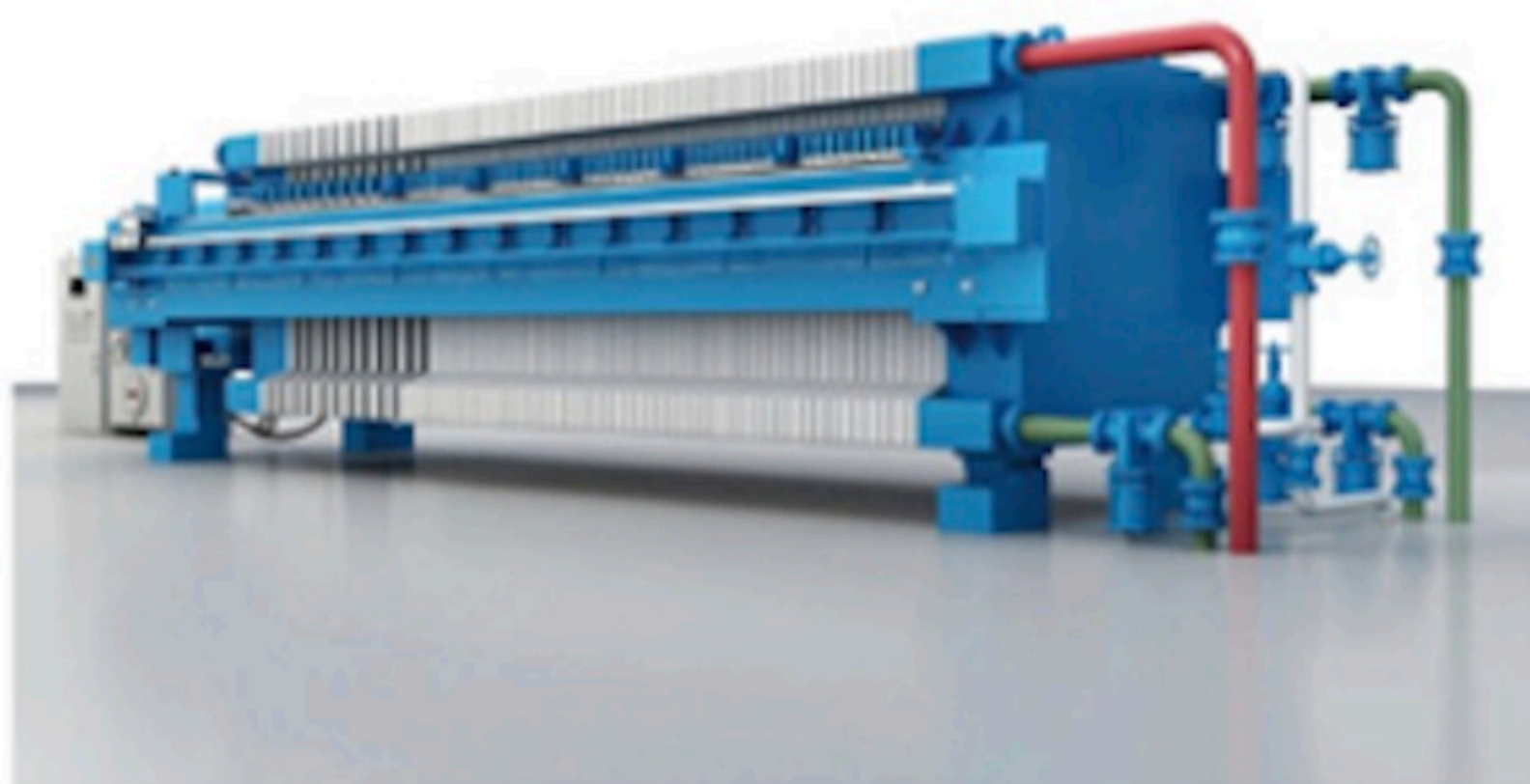
PLATE FRAME/BOX TYPE SLUDGE FILTER PRESS

设备简介

EQUIPMENT INTRODUCTION

板框压滤机是悬浮液固、液两相分离的理想设备，具有轻巧、灵活、可靠等特点。板框压滤机按照工作方式可以分为手动式板框压滤机、全自动板框压滤机、半自动板框压滤机；板框压滤机亦可以按其重要组成元素——滤板来区别，常见的有聚丙烯板框压滤机、橡胶板板框压滤机等。

The plate and frame filter press is an ideal equipment for the separation of suspended liquid-solid and liquid phases, which is light, flexible and reliable. The plate-and-frame filter press can be divided into manual plate-and-frame filter press, full-automatic plate-and-frame filter press and semi-automatic plate-and-frame filter press according to the working mode; Plate and frame filter presses can also be distinguished by their important components - filter plates, such as polypropylene plate and frame filter presses and rubber plate and frame filter presses.



设备特点

EQUIPMENT FEATURES

由电机带动减速器，经传动部件推动压紧板压紧滤板。压紧杆和固定螺母设计有可靠的自锁螺旋角，能保证压紧时可靠性和稳定性。用电机综合保护器实现自动控制。可对电机实现过热和过载保护。

The reducer is driven by the motor, and the filter plate is pressed by the pressing plate driven by the transmission parts. The compression rod and fixed nut are designed with reliable self-locking screw angle, which can ensure the reliability and stability during compression. Automatic control is realized by using motor integrated protector. It can protect the motor from overheating and overload.

技术参数

TECHNICAL PARAMETER

Model	Filtrating Area (m ²)	Chamber Size (mm)	Filter Cake Thickness (mm)	Number of Filter Plates	Number of Filter Frames	Chamber Volume (L)	Overall Dimensions (mm)	Motor Power (KW)
BK25	25	630×630	30	18	19	226	2820×1110×1190	2.2
BK20	20	630×630	30	24	25	297	3180×1110×1190	2.2
BK25	25	630×630	30	31	32	381	3600×1110×1190	2.2
BK30-1	30	630×630	30	37	38	452	3960×1110×1190	2.2
BK40-1	40	630×630	30	49	50	595	4680×1110×1190	2.2
BK30-2	30	800×800	30	23	24	460	3635×1260×1350	3
BK40-2	40	800×800	30	30	31	595	3635×1260×1350	3

叠螺污泥脱水机

STACKED SCREW SLUDGE DEHYDRATOR

设备简介

EQUIPMENT INTRODUCTION

叠螺式污泥脱水机在我国也得到了发展、创新和推广，由于叠螺式污泥脱水机易分离，不堵塞的特点，目前已广泛应用于市政污水处理及工业废水处理、石油化工、医药、纺织、冶金、食品饮料、矿山等众多领域。

Stacked screw sludge dehydrators have also been developed, innovated and popularized in China. Due to the characteristics of easy separation and non-clogging, they have been widely used in municipal sewage treatment and industrial wastewater treatment, petrochemical industry, medicine, textile, metallurgy, food and beverage, mining and other fields.



应用范围

SCOPE OF APPLICATION

适用于市政污水、食品、饮料、化工、皮革、焊材、造纸、印染、制药等行业的污泥。适用于高、低浓度污泥的脱水。进行低浓度 (2000mg/L~) 污泥脱水时，无需建设浓缩池、贮存池，降低建设成本，减少磺的释放和厌氧臭气的产生。

It is applicable to sludge from municipal sewage, food, beverage, chemical, leather, welding materials, paper making, printing and dyeing, pharmaceutical and other industries. It is suitable for dehydration of high and low concentration sludge. When dewatering sludge with low concentration (2000mg/L~), there is no need to build a thickener and storage tank to reduce the construction cost and reduce the release of sulfonic acid and the generation of anaerobic odor.

结构原理

STRUCTURAL PRINCIPLE

1. 脱水机的主体是由固定环和游动环相互层参，螺旋轴贯穿其中形成的过滤装置，前段为浓缩部，后段为脱水部。

2 固定环和游动环之间形成的滤缝以及螺旋轴的螺距从浓缩部到脱水部逐渐变小。

3. 螺旋轴的旋转在推动污泥从浓缩部输送到脱水部的同时，也不断带动游动环清扫滤缝，防止堵塞。

4. 污泥在浓缩部经过重力浓缩后，被运输到脱水部，在前进的过程中随着滤缝及螺距的逐渐变小，以及背压板的阻挡作用下，产生极大的内压，容积不断缩小，达到充分脱水的目的。

1. The main body of the dehydrator is a filtering device formed by the mutual layer of fixed ring and movable ring, and the spiral shaft penetrates through it. The front section is the concentration section, and the rear section is the dehydration section.

2.The filter gap formed between the fixed ring and the movable ring and the pitch of the screw shaft gradually decrease from the concentration part to the dehydration part.

3. The rotation of the screw shaft drives the sludge to be transported from the thickening section to the dehydration section, and at the same time, it also continuously drives the traveling ring to clean the filter joint to prevent clogging.

4. After gravity concentration in the concentration section, sludge is transported to the dehydration section. In the process of progress, with the gradual reduction of the filter gap and the pitch, and the blocking effect of the back pressure plate, the sludge will generate great internal pressure, and the volume will continue to shrink, so as to achieve the purpose of full dehydration.

桁车式刮吸泥机

TRUSS TYPE MUD SCRAPER AND SUCTION MACHINE

► 设备简介

EQUIPMENT INTRODUCTION

桁车式刮吸泥机广泛用于平流式沉淀池的污泥刮、吸。本刮吸泥机结构紧凑，工作可靠，并配有自动控制和过载保护系统。轨道间距 4 米以下刮吸泥机采用中间集中驱动。间距 6 米以上时采用两端同步驱动。

Truss truck type sludge scraper and suction machine is widely used for sludge scraping and suction in horizontal flow sedimentation tanks. This mud scraper has a compact structure, reliable operation, and is equipped with an automatic control and overload protection system. The mud scraper and suction machine with a track spacing of less than 4 meters is driven centrally in the middle. When the spacing is more than 6 meters, both ends are driven synchronously.



► 设备特点

EQUIPMENT FEATURES

利用虹吸排泥，运行平稳，能耗低。

设备结构简单，并简化沉淀池结构，节省工程投资。

边行走边吸泥，往返工作，对污泥干扰小，排泥效果好。

根据污泥沉淀情况，可调整工作行程和排泥次数，提高沉淀效果。

自动化程度高，操作维护简单方便，不易发生故障。

Siphon is used for sludge discharge, with stable operation and low energy consumption.

The equipment structure is simple, and the sedimentation tank structure is simplified to save project investment.

Absorb sludge while walking and work back and forth, with little interference to sludge and good sludge discharge effect.

According to the sludge sedimentation, the working stroke and sludge discharge times can be adjusted to improve the sedimentation effect.

High degree of automation, simple and convenient operation and maintenance, and less prone to failure.

► 技术参数

TECHNICAL PARAMETER

Model	Trough Width (mm)	Rail Gauge (mm)	A (mm)	B (mm)	Travel Speed (m/min)	Power (kW)	Drive Mode	Installed Rail
SYQHG-4	3700	4000	2100	1500	1.0-1.5	0.55	Center Drive	15kg/m
SYQHG-6	5700	6000	2100	1500	1.0-1.5	0.55-2	Dual Side Center Drive	22kg/m
SYQHG-8	7700	8000	2500	1900	1.0-1.5	0.55-2	Dual Side Center Drive	22kg/m
SYQHG-10	9700	10000	2500	1900	1.0-1.5	0.55-2	Dual Side Center Drive	22kg/m
SYQHG-12	11700	12000	2600	2000	1.0-1.5	0.55-2	Dual Side Center Drive	22kg/m
SYQHG-14	13700	14000	2600	2000	1.0-1.5	0.55-2	Dual Side Center Drive	22kg/m
SYQHG-16	15700	16000	2600	2000	1.0-1.5	0.75-2	Dual Side Center Drive	22kg/m
SYQHG-18	17700	18000	2600	2000	1.0-1.5	0.75-2	Dual Side Center Drive	22kg/m
SYQHG-20	19700	20000	3000	2300	1.0-1.5	0.75-2	Dual Side Center Drive	22kg/m
SYQHG-24	23700	24000	3000	2300	1.0-1.5	0.75-2	Dual Side Center Drive	22kg/m
SYQHG-26	25700	26000	3000	2300	1.0-1.5	0.75-2	Dual Side Center Drive	22kg/m
SYQHG-28	27700	28000	3200	2500	1.0-1.5	0.75-2	Dual Side Center Drive	22kg/m
SYQHG-30	29700	30000	3200	2500	1.0-1.5	0.75-2	Dual Side Center Drive	22kg/m

螺旋输送机有轴 / 无轴

SCREW CONVEYOR WITH SHAFT/WITHOUT SHAFT

▶ 设备简介

EQUIPMENT INTRODUCTION

无轴螺旋输送机采用中间无轴的设计方案，可防止堵塞，应用于大颗粒、易缠绕、湿度较大的物料。由于采用了无中心轴设计利用具有一定柔性的整体钢制螺旋推送物料。无轴螺旋输送机具有结构简单，制做成本低，密封性强、操作安全方便等优点，中间可多点装、卸料。

The shaftless screw conveyor adopts the design scheme of shaftless in the middle, which can prevent blocking, and is applied to materials with large particles, easy winding and high humidity. Due to the adoption of the centerless design, the whole steel screw with certain flexibility is used to push materials. The shaftless screw conveyor has the advantages of simple structure, low manufacturing cost, strong unsealing, safe and convenient lifting, and can be loaded and unloaded at multiple points in the middle.



▶ 设备特点

EQUIPMENT FEATURES

1. 环保性能好。保证所送物料不受污染、不会泄漏输送物料。
2. 输送量大。输送量是相同直径有轴螺旋输送机的 1.5 倍。
3. 转距大，能耗低。排料口不堵塞。
4. 输送距离长，单机输送长度可达 60~70m。
5. 结构紧凑，节省空间，外形美观，操作简便，经济耐用。

1. Good environmental protection performance. Ensure that the delivered materials are free from pollution and leakage.
2. Large conveying capacity. The conveying capacity is 1.5 times of the axial screw conveyor with the same diameter.
3. Large torque and low energy consumption. The discharge port is not blocked.
4. The conveying distance is long, and the conveying length of single machine can reach 60~70m.
5. Compact structure, space saving, beautiful appearance, simple operation, economical and durable.

▶ 技术参数

TECHNICAL PARAMETER

型号 model	螺旋直径 (mm)	各安装角度下的输送能力 (m³/h)			输送长度在 10m 的功率
		0°	20°	30°	
SYQWS-225	225	2.5	1.8	1.2	1.5KW
SYQWS-250	250	2.8	2.0	1.5	1.5KW
SYQWS-320	320	5.2	4.1	3.0	2.2KW
SYQWS-360	360	9.6	6.9	4.2	3.0KW
SYQWS-400	400	13.6	9.8	6.3	4.0KW

微滤机

MICROFILTRATION MACHINE

设备简介

EQUIPMENT INTRODUCTION

快速过波机是采用的微孔筛网固定在转鼓型过滤设备上，通过截留水体中固体颗粒，实现固液分离的净化装置。并且在过滤的同时可以通过转鼓的转动和反冲水的作用力，使微孔筛网得到及时的清洁。使设备始终保持良好的工作状态。

The fast wave filter is a purification device that uses a microporous screen fixed on the drum filter equipment to achieve solid-liquid separation by intercepting solid particles in the water. At the same time, the microporous screen can be cleaned in time through the rotation of the drum and the force of backwash water. Keep the equipment in good working condition at all times.



设备特点

EQUIPMENT FEATURES

- 1、结构简单，运行平稳，维修方便，寿命长。
 - 2、过滤能力大，效率高，废水微小悬浮物回收率大于 80%。
 - 3、占地小，费用低，低速运转，自动保护，安装方便。
 - 4、全自动连续工作，不需专人看管，滤出物质浓度最高可达 12% 以上。
 - 5、可代替机械格栅等粗过滤设备使用。
1. Simple structure, stable operation, convenient maintenance and long service life.
 2. Large filtration capacity, high efficiency, and recovery rate of micro suspended solids in wastewater is more than 80%.
 3. Small footprint, low cost, low speed operation, automatic protection, and convenient installation.
 4. Fully automatic and continuous operation, no special person is required to take care of it, and the maximum concentration of filtered substances can reach more than 12%.
 5. It can be used instead of coarse filtration equipment such as mechanical grating.

技术参数

TECHNICAL PARAMETER

型号 model	SYQWL1	SYQWL2	SYQWL3	SYQWL4	SYQWL5	SYQWL6	SYQWL6-1
过滤面积 (m ²)	5	7	9	11	14	16	20
网目 (目)	60-250	60-250	60-250	60-250	60-250	60-250	60-250
处理水量 (m ³ /h)	50-100	80-150	100-200	120-240	150-300	170-300	200-350
电机功率 (kw)	1.1	1.1	1.5	2.2	3	4	5.5
滤筒直径 (mm)	φ950	φ1000	φ1500	φ1250	φ1500	φ1500	φ1500
滤筒有效长度 (mm)	1500	2000	2500	3000	3000	3500	4150

注：根据客户要求和实际处理量可定做

格栅除污机

GRID CLEANER

设备简介

EQUIPMENT INTRODUCTION

格栅除污机主要由机架、驱动装置、齿把及传动链条组成。由ABS工程塑料、尼龙6，尼龙1010或不锈钢制成特殊形状的把齿按一定次序装配在齿把轴上，形成一条封闭的把齿链，水下栅片（把齿）截留污物沿轨上行，当达到顶部时，因弯轨和齿轮的导向作用，使相邻把齿间产生相对推移运动，将污物外推，依自重卸入污物盛器内。同时特制转刷将把齿上微量残留污物易除干净。

The grille cleaner is mainly composed of a frame, a driving device, a gear handle, and a transmission chain. Made of ABS engineering plastics. The special shaped handle teeth made of nylon 6, nylon 1010, or stainless steel are assembled on the handle shaft in a certain order to form a closed handle chain. The underwater grid (handle teeth) intercepts the dirt moving upward along the rail. When reaching the top, due to the guiding effect of the curved rail and the gear, relative movement occurs between adjacent handle teeth, pushing the dirt outward, and unloading it into the dirt container according to its own weight. At the same time, a special rotary brush will easily remove trace residual dirt from the teeth.

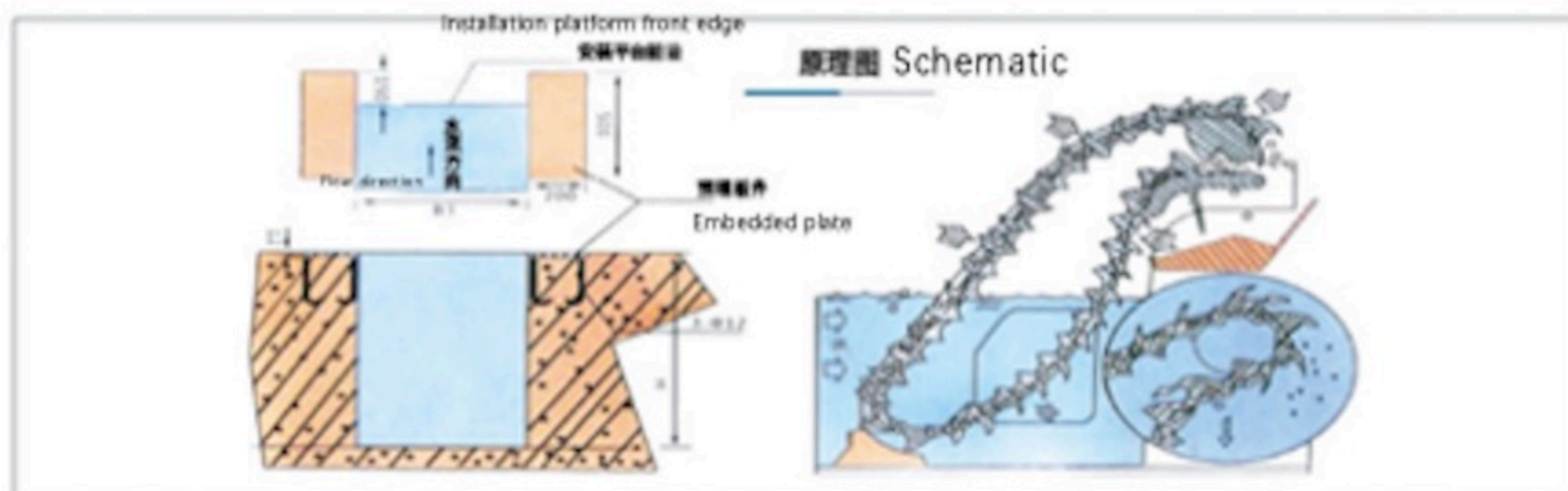


应用范围

SCOPE OF APPLICATION

该设备广泛应用于给水、排水的二道格栅及无粗大漂浮物的取水构筑物进水口；也可用在造纸、纺织、皮革、酿酒、榨糖、水产等工业废水及市政污水。

The equipment is widely used in the water supply and drainage of the second grid and the water intake structure without large floating objects; It can also be used in industrial wastewater and municipal sewage such as paper making, textile, leather, wine making, sugar squeezing, aquatic products, etc.



中心传动刮吸泥机

CENTRAL DRIVE MUD SCRAPER AND SUCTION MACHINE

设备简介

EQUIPMENT INTRODUCTION

中心传动刮吸泥机适用于中心无支墩的辐流式或竖流式沉淀池 (中 <20m) 的机械排污, 该机设有横跨池子的固定平台, 工作时其整机载荷都作用在工作桥中心。污水经池中心导流筒均匀流向池四周, 随着流速的降低, 污水中的悬浮物质沉淀于池底, 池底刮泥机将沉淀污泥刮集到中心泥坑中, 靠静水压力将其从污泥管中排出。

The central drive mud scraper is suitable for mechanical sewage discharge in radial or vertical flow sedimentation tanks (medium <20m) without supporting piers in the center. This machine is equipped with a fixed platform across the tank, and its entire load acts on the center of the working bridge during operation. The sewage flows uniformly around the tank through the central diversion cylinder. As the flow rate rises and falls, the exposed floating substances in the sewage settle to the dry bottom of the tank. The sludge scraper at the bottom of the tank scrapes the settled sludge into the central mud pit and discharges it from the sludge pipe by hydrostatic pressure.



设备特点

EQUIPMENT FEATURES

结构简单, 维护管理方便;
运行平稳, 工作安全可靠;
刮集污泥效果好, 排出污泥含水率低。

Simple structure, convenient maintenance and management;
Stable operation, safe and reliable operation;
The sludge collection effect is good, and the water content of discharged sludge is low.

技术参数

TECHNICAL PARAMETER

型号 model	适应池径 (m)	电机功率 (kw)	周边行走线速度 (m/min)		刮壁数	两边荷载 (kn)	安装尺寸 (mm)			
			初沉池	二沉池			A	B	C	D
SYQZX6	6	0.37-2.2	2-3	1.5-2.5	2	19	340	320	105	420
SYQZX7	7					22				
SYQZX8	8					24				
SYQZX9	9					26				
SYQZX10	10					29				
SYQZX11	11					31				
SYQZX12	12					34				
SYQZX13	13					36				
SYQZX14	14					39				
SYQZX15	15					41				

周边传动刮吸泥机

PERIPHERAL DRIVE MUD SCRAPER

▶ 设备简介

EQUIPMENT INTRODUCTION

周边传动刮吸泥机主要用于给水或排水工程中大约 20m 池径的辐流式沉淀池。该设备采用周边传动，污水从池中心的进水管流入，经稳流筒扩散后，均匀地向周边呈辐射状流出，呈悬浮状的污泥经沉淀后沉积于池底，驱动装置带动工作桥架沿周边旋转，并带动刮板及刮泥板转动，刮板将污泥集后由吸泥管依靠池内静水压抽吸至集泥槽内排入中心泥缸，再通过中心排泥管排出池外，水面的浮渣通过旋转撇渣装置导入排渣斗内排出池外；而上清液则通过三角形出水地板溢入出水槽内排出。

Peripheral drive mud scraper is mainly used for radial flow sedimentation tanks with a diameter of about 20m in water supply or drainage engineering. This equipment adopts peripheral transmission. Sewage flows in from the inlet pipe in the center of the tank, and after being diffused by a steady flow cylinder, it uniformly radiates out to the periphery. Suspended sludge is deposited at the bottom of the tank after sedimentation. The driving device drives the working bridge to rotate along the periphery, and drives the scraper and mud scraper to rotate. The scraper collects the sludge, which is pumped by the suction pipe through the static water pressure in the tank to the sludge collection tank and discharged into the central mud tank, and then discharged out of the tank through the central mud discharge pipe. The scum on the water surface is introduced into the slag discharge bucket and discharged out of the pool through a rotating slag removal device; The supernatant overflows into the outlet tank through a triangular outlet floor and is discharged.



▶ 设备特点

EQUIPMENT FEATURES

处理量大，可节省占地面积。

该设备刮泥、吸泥、刮浮渣同时进行，能耗少，比同规格设备节电 50% 左右。

边行进边刮泥，排出活性污泥浓度高，排泥效果好。

刮板式吸口结构简单，不易堵塞运行安全可靠，维修简单。

适用性强，容易实现全自动控制。

Large processing capacity can save floor area.

The equipment scrapes mud, absorbs mud and scrapes scum at the same time, which consumes less energy and saves about 50% electricity than the equipment of the same specification.

Scrape sludge while moving, with high concentration of discharged activated sludge and good sludge discharge effect.

The scraper suction port is simple in structure, not easy to block, safe and reliable in operation, and simple in maintenance.

Strong applicability, easy to realize full automatic control.

▶ 技术参数

TECHNICAL PARAMETER

型号 model	池径 (m)	池边深 (m)	周边速度 (m/min)	电机功率 (kw)
SYQZB-20	20	3-5.6	1.6	0.37×2
SYQZB-25	25		1.7	
SYQZB-30	30		1.8	0.55×2
SYQZB-37	37		2.0	
SYQZB-45	45		2.2	0.75×2
SYQZB-55	55		2.4	
SYQZB-60	60		2.6	1.5×2
SYQZB-80	80		2.7	
SYQZB-100	100		2.8	2.2×2

工业废弃物垃圾焚烧炉

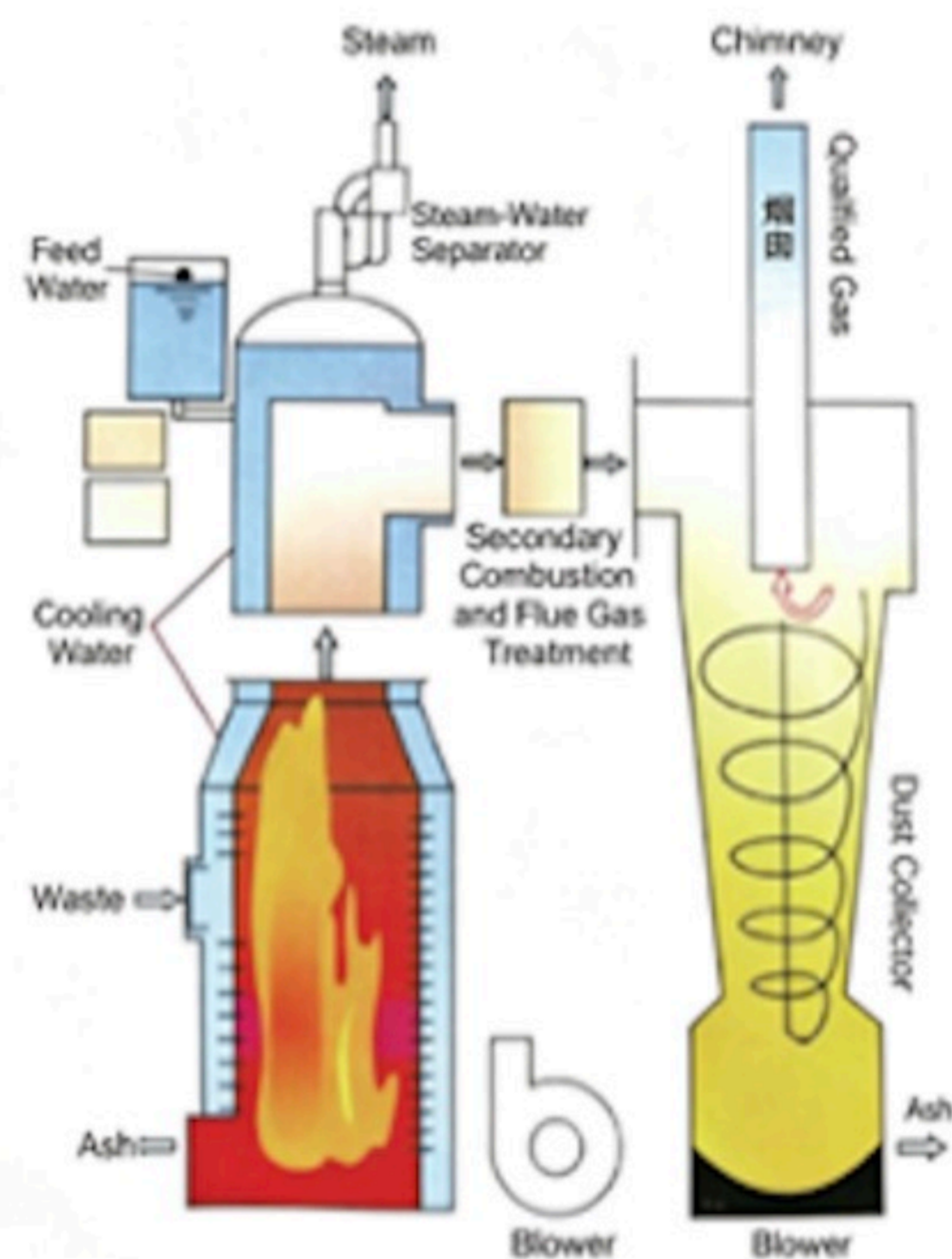
INDUSTRIAL WASTE INCINERATOR

▶ 设备简介

EQUIPMENT INTRODUCTION

社会的快速发展和工业化进程的加快，产生了大量的工业有害废弃物，严重污染环境。通过不断完善和发展，拥有完整的工业废弃物回收、上料、焚烧、出灰、余热利用、尾气治理等综合性处理工艺和设备，在处理工业废弃物方面真正达到了减量化，无害化和资源化。所涉及行业：化工、机场、冶金、皮革、纺织、印染、印刷、食品、服装、造纸、药业、鞋业等。

With the rapid development of society and the acceleration of industrialization process, a large number of industrial hazardous wastes have been produced, seriously polluting the environment. Through continuous improvement and development, it has a complete set of comprehensive treatment processes and equipment for industrial waste recovery, feeding, incineration, ash discharge, waste heat utilization, tail gas treatment, etc., and has truly achieved reduction, harmless and resourceful treatment of industrial waste. Industry involved: chemical industry, airport, metallurgy, leather, textile, printing and dyeing, printing, food, clothing, paper making, pharmaceutical, footwear, etc.



▶ 应用范围

SCOPE OF APPLICATION

- 1、工业废弃物(高分子废弃物): 塑料PE、PU、橡胶(轮胎)、保丽龙、宝特瓶、维、泡棉、布、树脂、亚克力、皮革、牛皮屑、积层板、电木粉、尿素粉、菜瓜布、录音带、涂料、聚合物等。
- 2、医疗废弃物: 针筒、手套、包带、纱布、输血管、脏器等感染性废弃物。
- 3、一般垃圾: 纸板、纸屑、木屑、树叶等。
- 4、特殊废弃物: 废油、废溶剂、污泥、集尘灰渣、铁上油漆、模具滤网残渣等。

1. Industrial waste (macromolecule waste): plastic PE, PU, rubber (tire), Polylon, Baote bottle, vitamin, foam, cloth, resin, acrylic, leather, cowhide, laminate, bakelite powder, urea powder, vegetable cloth, tape, coating, polymer, etc.
2. Medical waste: needle cartridges, gloves, bandages, gauze, blood transfusion tubes, organs and other infectious waste.
3. General garbage: cardboard, paper eyebrows, sawdust, leaves, etc.
4. Special waste: waste oil, waste solvent, sludge, dust collection ash, paint on iron, mold filter residue, etc.

纯水设备

PURE WATER EQUIPMENT

▶ 设备简介

EQUIPMENT INTRODUCTION

纯水设备能够有效的去除原水中的杂质、细菌、热源等有害物质，保证出水水质符合国家规定的卫生标准，符合企业的实际生产需要。纯净水设备的末端还可以根据自己的实际需要安装杀菌消毒设备，使水质得到保证。

The pure water equipment can effectively remove impurities, bacteria, heat sources, and other harmful substances from the raw water, ensuring that the quality of the effluent meets the national hygiene standards and meets the actual production needs of the enterprise. The end of the purified water equipment can also be installed with sterilization and disinfection equipment according to their actual needs to ensure water quality.



▶ 设备特点

EQUIPMENT FEATURES

1. 工艺步骤减少多达 30%，大幅提高纯水产量；
2. 稳健设计有效应对大量给水和季节性给水变化；
3. 持续提供 70% 以上的水回收率 - 提供更高的系统可靠性、更快的交付速度、更专业的服务和专业技术支持；
4. 反渗透纯水设备完全根据用户需求，确定优秀系统回收率和系统脱盐率，从而获得高浓缩倍数的物料或高纯度的水；
5. 核心膜元件及其配套控制器件完全采用世界著名品牌，品质有保障，膜寿命延长 3 至 5 年，同时降低运行成本；
6. 遵循经济、合理、规范化的设计理念，从经济性和技术性双重角度为客户考虑。

1. The process steps are reduced by up to 30%, and the yield of pure water is greatly increased;
2. Robust design can effectively cope with large amount of water supply and seasonal water supply changes;
3. Continue to provide more than 70% water recovery rate - providing higher system reliability, faster delivery speed, more professional services and technical support;
4. The reverse osmosis pure water equipment determines the excellent system recovery rate and system desalting rate completely according to the user's needs, so as to obtain materials with high concentration ratio or high purity water;
5. The core membrane components and their supporting controller components are all of the world famous brands, with guaranteed quality, and the membrane life is extended by 3 to 5 years, while reducing the operating cost;
6. Follow the design concept of economy, rationality and standardization, and consider the customer from the perspective of economy and technology.

一体化净水器

INTEGRATED WATER PURIFIER

► 设备简介

EQUIPMENT INTRODUCTION

一体化净水器集絮凝，沉淀，排污，反冲洗，集水过滤等工艺中的精华之大成，无需人员操作而能达到单体全自动运行的系列净水装置，是实现水厂自动化管理的重要单元，再配以自动加药装置及消毒设备，即可成为一个具有全套功能的净水站（厂）。生活用水饮用级的一体化净水器具有预处理部分（粗细颗粒分离装置）及可控反系统，及饮用级内部专用涂层一体化净水器无小管设计，可长期稳定运行符合国标 GB 5749-2006 生活饮用水标准的产品。



The integrated water purifier is the culmination of the essence of flocculation, sedimentation, sewage discharge, backwashing, water collection filtration and other processes. It is a series of water purification devices that can achieve full automatic operation of a single unit without personnel operation. It is an important unit to realize automatic management of the water plant. With automatic dosing devices and disinfection equipment, it can become a water purification station (plant) with a full set of functions. The integrated water purifier for domestic drinking water has a pre-treatment part (coarse and fine particle separation device) and a controllable reaction system, as well as an integrated water purifier with a dedicated coating for drinking water without small pipes. It can operate stably for a long time and meets the national standard GB 5749-2006 for domestic drinking water.

► 设备特点

EQUIPMENT FEATURES

- 1、除了对一级泵房及加药系统的管理外，净水装置本身从反应、絮凝、沉淀、集泥、排泥、集水、配水、过滤、反冲、排污等一系列运行程序，达到了自动运行的要求，值班人员只要定时作水质监视测定工作外，无需对净水装置操作管理。
- 2、高浓度的絮凝层，能使原水中的杂质颗粒，在其间得到充分的碰撞接触，吸附的机率，因而能适应各种原水的水温和浊度，杂质颗粒去除率高。在一定使用条件时，还具有除藻功能。
- 3、迅捷的泥渣浓缩室及可调式自动排泥系统，能保证多余的泥渣杂质及时排除，从而保证稳定的杂质颗粒去除率。
- 4、高效的絮凝及沉淀效果，使沉淀出水水质一直保持良好状态。
- 5、新颖独创的集水系统及最低的集水水头，使集水更均匀有效，不仅提高了体积利用系数，因其集水水头极小，累积的省电效果可观。
- 6、净水系统自动化，既保证了净水系统的高效过滤，（在原水浊度小于 3000mg/L，滤后水浊度可保持在 3 mg/L 以下）又能自动反冲洗，无需另设反冲洗水泵或空压机等电器设备，可节省大量的基建投资及日常运行、维修、保养费用。
- 7、自耗水率低约在 <5% 左右，对节省有限的水资源起着积极的作用。
- 8、占地面积小，与一般净水构筑物相比，可节省占地 <50% 以上，高度在 4.10 米左右，室内外均可安置。
- 9、便于扩建、改造、再用，便于搬迁或易地再用。

1. In addition to managing the primary pump room and dosing system, the water purification device itself meets the requirements of automatic operation through a series of operating procedures such as reaction, flocculation, sedimentation, sludge collection, sludge discharge, water collection, water distribution, filtration, backwashing, and sewage discharge. The on duty personnel only need to perform regular water quality monitoring and measurement work, and do not need to manage the operation of the water purification device.
2. A high concentration flocculation layer can provide sufficient collision contact and adsorption probability for impurity particles in raw water, thus adapting to various water temperatures and turbidity of raw water, and achieving high removal rate of impurity particles. Under certain usage conditions, it also has the function of removing algae.
3. The rapid sludge concentration chamber and adjustable automatic sludge discharge system can ensure timely removal of excess sludge impurities, thereby ensuring a stable removal rate of impurity particles.
4. Efficient flocculation and sedimentation effects ensure that the effluent quality remains in good condition.
5. The novel and original water collection system and the lowest water collection head make the water collection more uniform and effective, not only improving the volume utilization coefficient, but also accumulating considerable energy-saving effects due to its extremely small water collection head.
6. The automation of the water purification system ensures efficient filtration (when the turbidity of the raw water is less than 3000mg/L, the turbidity of the filtered water can be maintained below 3 mg/L) and automatic backwashing, without the need for additional backwashing water pumps or air compressors, which can save a lot of infrastructure investment and daily operation, maintenance, and upkeep costs.
7. The low self consumption rate of water is about <5%, which plays a positive role in saving limited water resources.
8. Small footprint, compared to general water purification structures, it can save less than 50% of land, with a height of about 4.10 meters, and can be installed indoors and outdoors.
9. Easy to expand, renovate, reuse, relocate or relocate.

配件

ACCESSORIES



离心式潜水曝气机
Centrifugal submersible aerator



三叶罗茨风机
Three-blade Roots blower



旋转压榨输送机
Rotary press conveyor



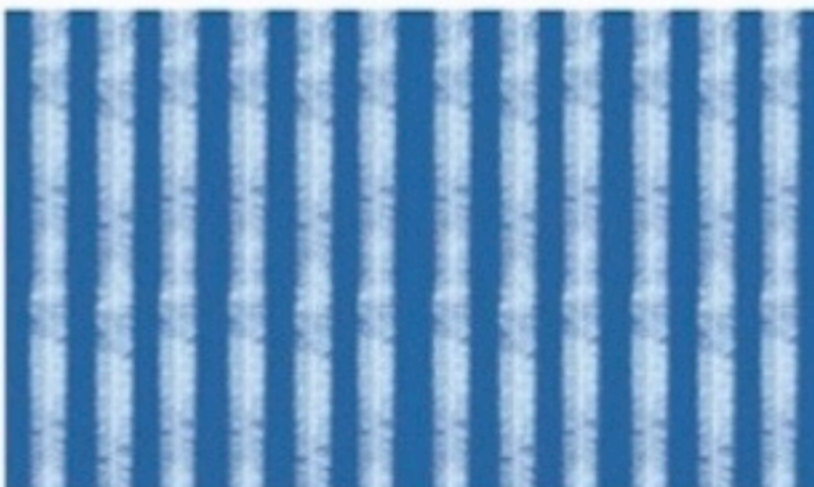
螺杆泵
Screw pump



CAF 曝气机
CAF aerator



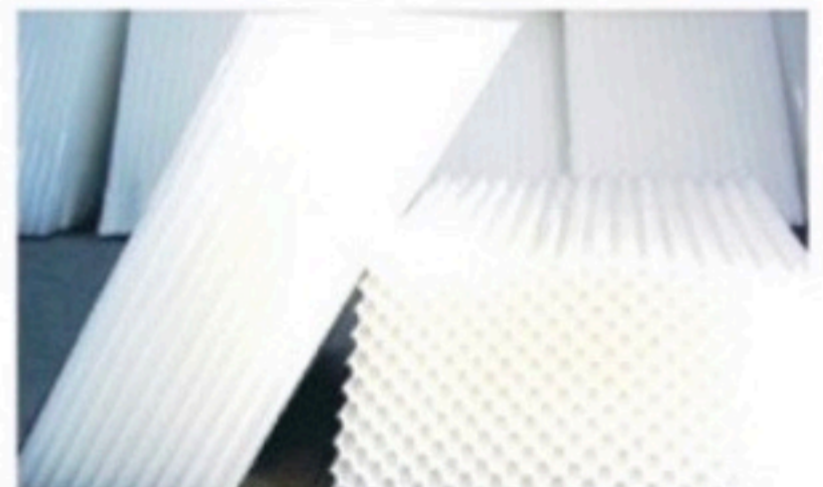
格栅耙齿
Grille tine



立体弹性填料
Three-dimensional elastic filler



软性填料
Soft filler



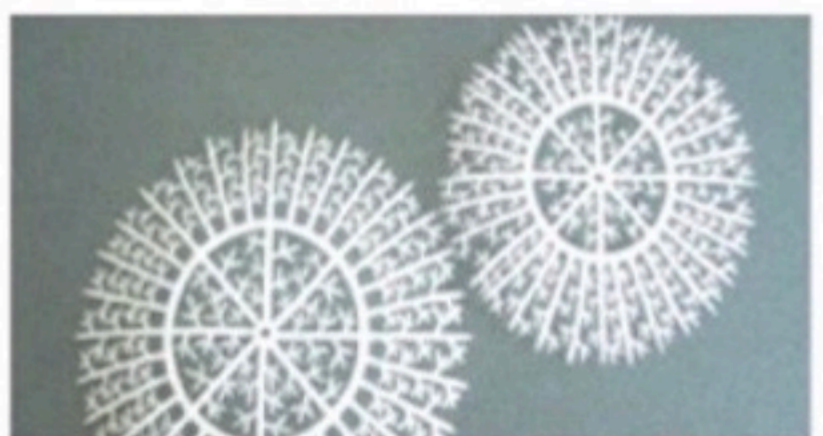
塑料斜管蜂窝填料
Plastic inclined pipe honeycomb filler



旋混式曝气机
Rotary aerator



组合式填料
Combined packing



半软性填料
Semi-soft filler



聚合氯化铝
Polyaluminium chloride



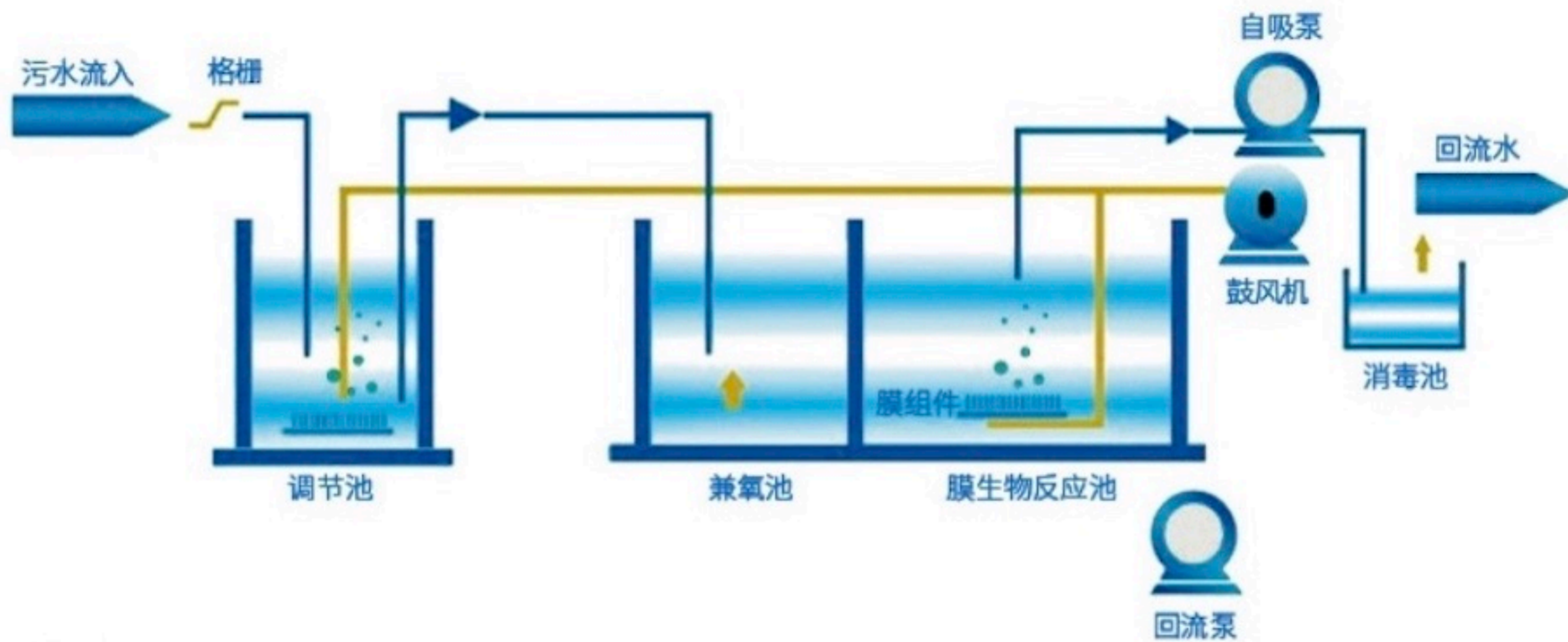
聚丙烯酰胺
polyacrylamide



氯片
Chlorine tablet

MBR 中水回用工艺

MBR RECLAIMED WATER REUSE PROCESS

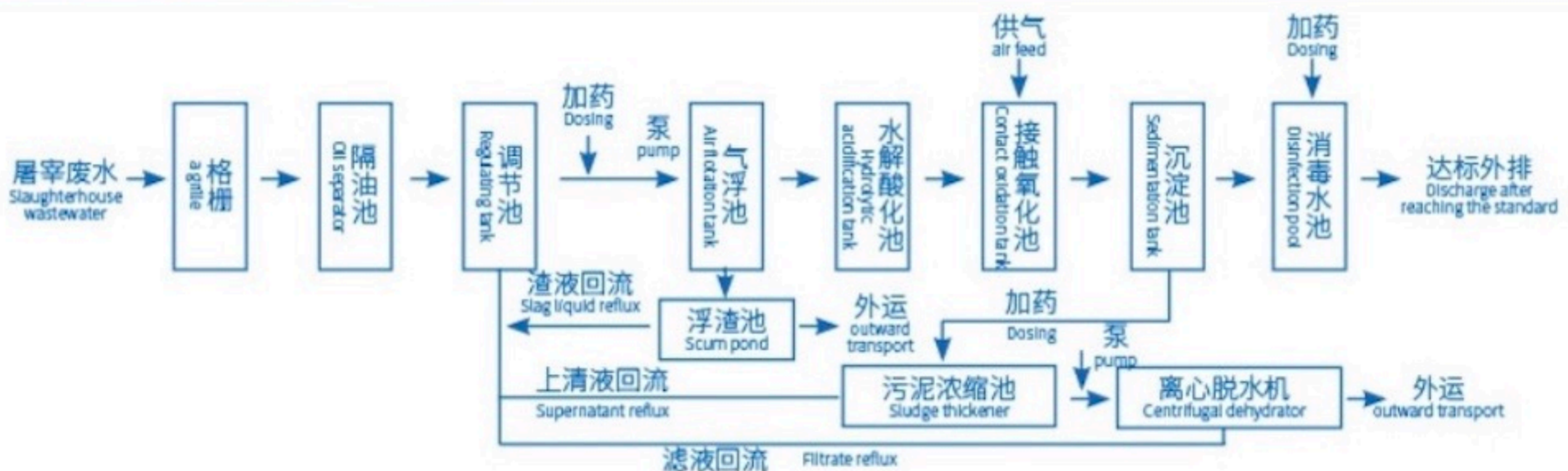


► 工艺简介

膜生物反应器 (MBR) 是膜分离技术与生物技术有机结合的新型水处理技术，它利用膜分离设备将生化反应池中的活性污泥和大分子有机物截留住，省掉二沉池。因此，活性污泥浓度可以大大提高，水力停留时间 (HRT) 和污泥停留时间 (SRT) 可以分别控制，而难降解的物质在反应器中不断反应和降解。膜生物反应器工艺通过膜的分离技术大大强化了生物反应器的功能，是目前最有前途的废水处理新技术之一，也是公认的市政污水最终可行的中水回用技术。我公司根据 MBR 工艺的运行特点，结合先进的自控工艺，实现了 MBR 工艺的全自动智能化设计，设计安全可靠，故障率低。

屠宰废水处理工艺

SLAUGHTER WASTEWATER TREATMENT PROCESS



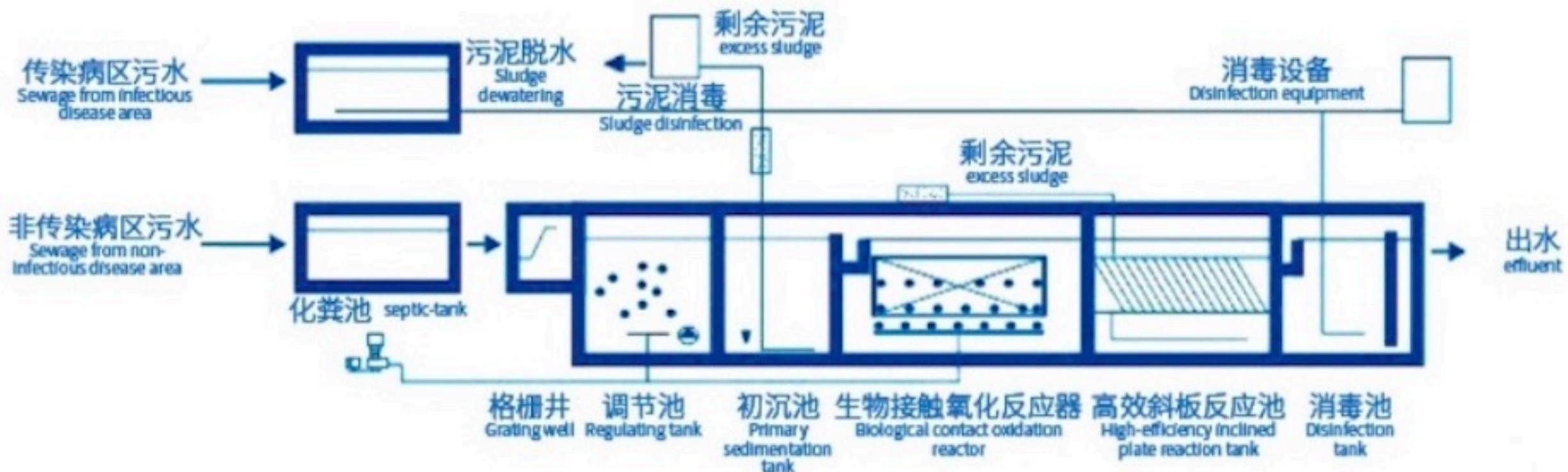
► 工艺简介

废水进入格栅池，经格栅去除大块悬浮物，后自流进入隔油池，去除废水中部分油脂，后流入调节池，调节池中的水位处于高液位时水泵自动启动：泵入一体化气浮装置处理去除大量的细小悬浮物及油脂，清水通过溢流管进入水解酸化池。废水在水解酸化池中通过厌氧微生物的作用，将废水中的各种复杂有机物分解转化成甲烷和二氧化碳等物质，从而将废水中的有害物质转化为无害物质。

废水经水解酸化池后自流到生物接触氧化池，接触氧化法是一种好氧生物膜法工艺，微生物以生物膜形式及悬浮态生长于水中，因此它兼具活性污泥及生物滤池二者的特点，在生物接触氧化中有机碳水化合物是最终被分解成 CO_2 和 H_2O 。废水经过接触氧化池后自流到沉淀池，本池系接触氧化池出水进行固液分离的构筑物。功能是将水中老化的生物膜及 SS 除去。沉淀池出水进入消毒水池，经过消毒后即可达标排放。沉淀池的污泥排至污泥浓缩池，污泥在污泥浓缩池内进行好氧消化，上清液回流至调节池再进行处理。经过浓缩的污泥由污泥泵提升至污泥带式压滤机脱水后外运，滤液排至调节池进行再处理。

医疗污水处理工艺

MEDICAL SEWAGE TREATMENT PROCESS



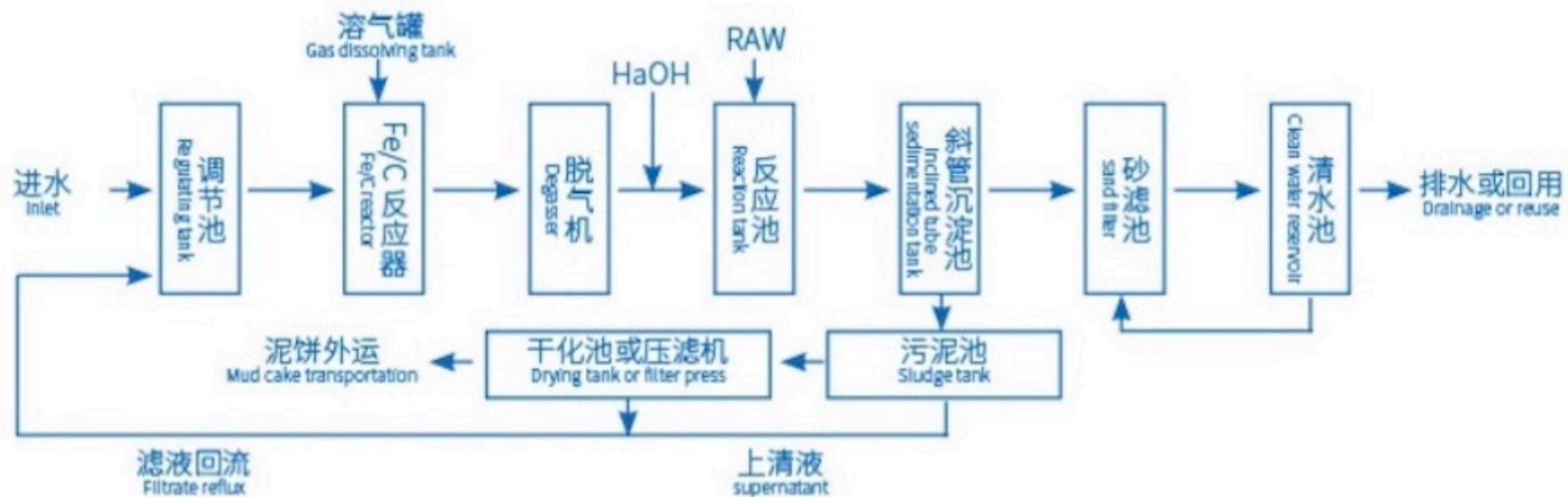
► 工艺简介

医疗机构排出的污水来源及成份十分复杂，污水中含有大量的传染性病菌、病毒和化学药剂等有害物质，具有极大的危害性和传染性。特别是传染病区排出的污水，若未经过严格的无害化处理而进入城市下水管道或环境水体，会引起水源污染和传染病暴发流行，严重危害人们的身体健康。

目前，医疗废水的处理工艺，主要由一级沉淀消毒处理和二级生化消毒处理工艺。具体处理工艺可根据出水要求进行选择。当处理废水可排入城市污水官网时，采用一级处理，要求直接排放时，采用二级处理工艺。

含重金属废水处理工艺

TREATMENT PROCESS OF WASTEWATER CONTAINING HEAVY METALS

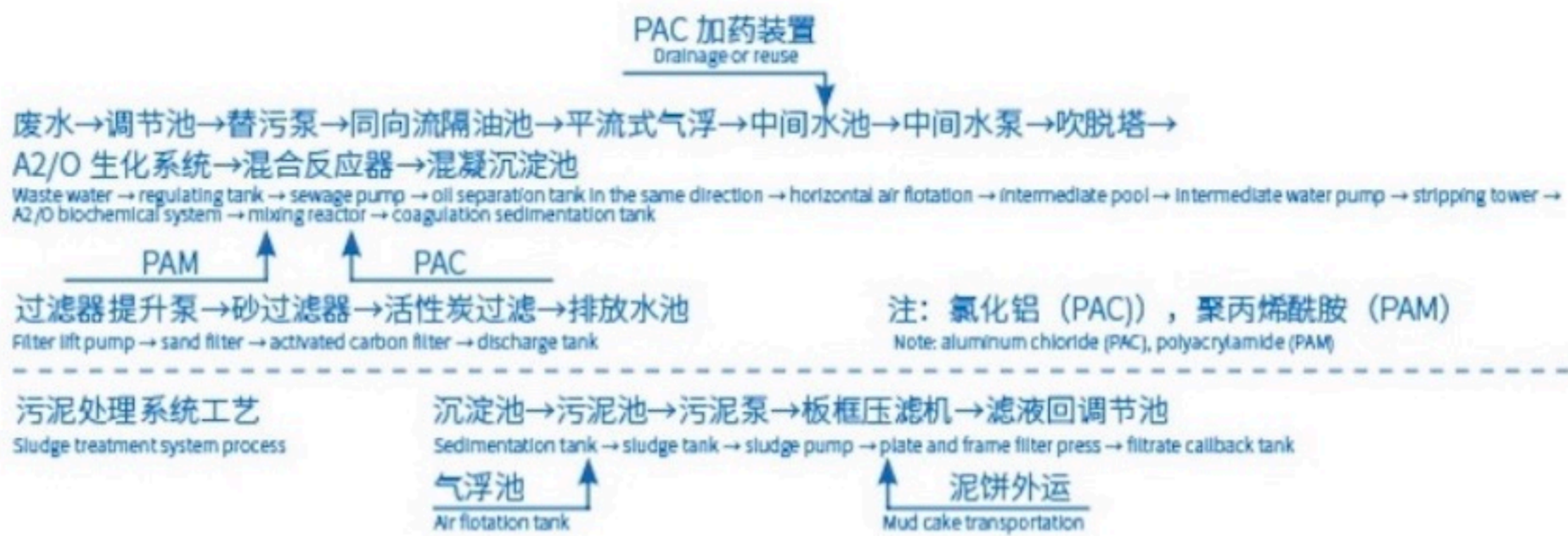


► 工艺简介

污水处理中的重金属是指有毒金属和类金属，包括污水综合排放标准规定的第一类污染物中的重金属和类金属（汞、锡、铬、铅、镍、砷等），以及铜、锌、钴、锡、钒、银、铁、锰等人类必需的微量元素，但超过一定限量时也会造成一些危害，重金属污染通过对土壤和水体的污染，直接对渔业和农业产生严重影响，同时直接或间接地危害人体健康。重金属离子随废水排出，一旦进入环境后不能被生物体降解，在水体中大部分通过物理化学反应沉积在水底，随着水温升高，pH 的改变以及水生生物的吸收，沉积物向水体缓慢释放溶解态金属，会参与到食物链的循环中，并最终在生物体内富集，破坏正常生理代谢活动。

混合废水经厂区收集管道流至调节池，由耐腐蚀性一级污水泵提升至铸铁/焦炭反应器中，在空气辅助作用下，水中重金属离子及 CN⁻ 等在铸铁/焦炭表面发生无数内电解反应，通过一系列反应达到转化目的。出水经过自动控制系统投加碱液调节 pH 后自流至斜管沉淀池进行泥水分离，清水经过砂滤后即可达标排放或者回用。

焦化水污染物处理工艺 TREATMENT PROCESS OF COKING WATER POLLUTANTS

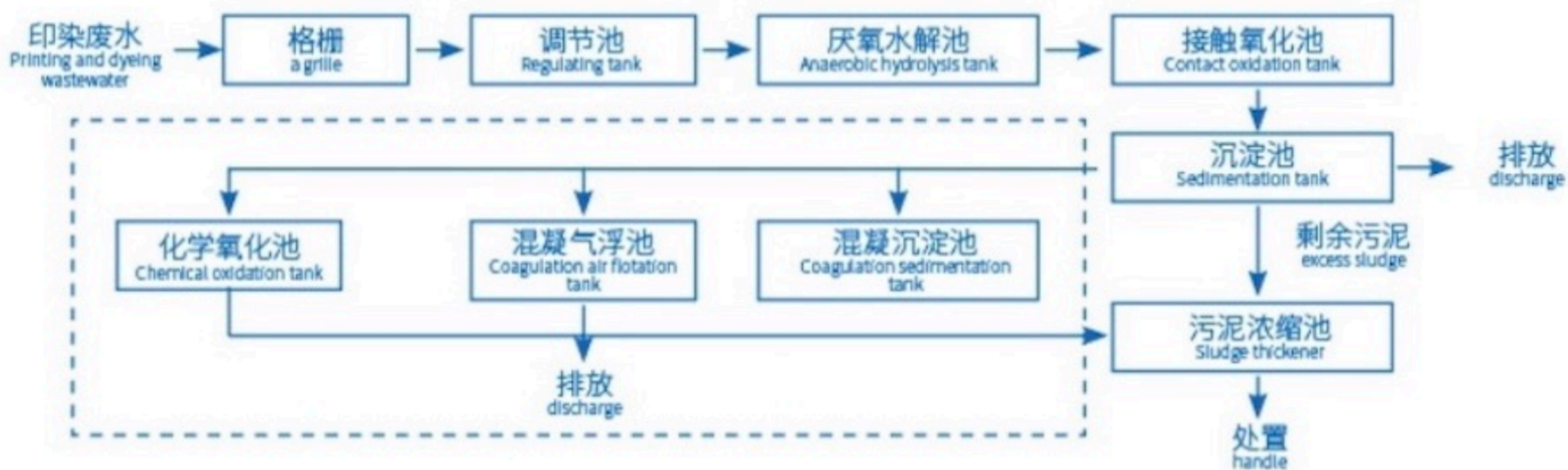


► 工艺简介

焦化废水是在原煤高温干馏、煤气净化和化工产品精制过程中产生的废水，其主要来源有三个：一是剩余氨水，它是在煤干馏及煤气冷却中产生出来的废水，其水量占焦化总量的一半以上，是焦化废水的主要来源，二是在煤气净化过程中产生出来的废水，如煤气终冷却和粗苯分离水等；三是在焦油、粗苯等精制过程中及其它场合产生的废水。焦化废水是含有大量难降解有机污染物的工业废水，其成份复杂，含有大量的酚、氰、苯、氨等有害物质，超标准排放的焦化废水对环境造成严重的污染。

国内一般采用物化+生化法处理工艺对焦化废水进行处理，首先通过隔油池及气浮浮选去除油粒，然后通过吹脱塔去除酚、氨及硫化氰等有害物质，再通过 A2/O 生化法进行脱氮处理，生化出水进入混凝反应器进一步除去 COD 及油。最后通过二级过滤除去酚类及 COD 确保系统出水达标排放。

印染废水处理工艺 TREATMENT PROCESS OF PRINTING AND DYEING WASTEWATER

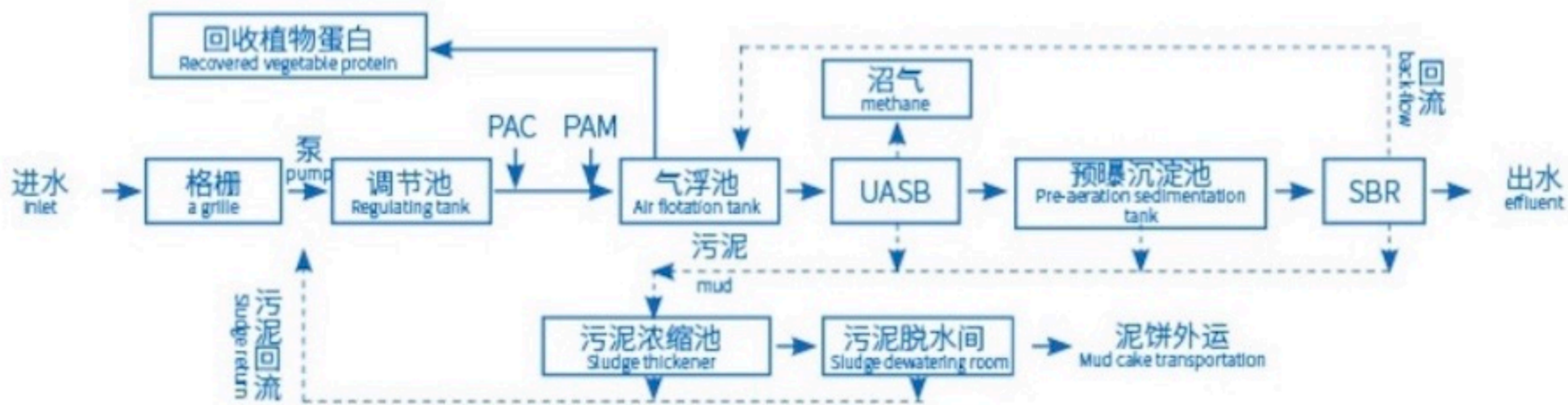


► 工艺简介

废水经管道收集后自流进入废水处理站，经机械格栅去除废水中较大的漂杂物，自流进入调节池，均质均量后经根升泵报升至气浮机，废水在气浮机中首先与投加的絮凝剂进行絮凝反应，在曝气机的作用下形成较大的“矾花”。出水自流进入厌氧反应池进行厌氧反应，厌氧反应过程中废水中的大分子污染物发生碎解断链过程，使之性能发生改变。为后序的好氧反应过程创造条件，经过预处理的废水自流进入接触氧化池进行好氧处理，废水经过充氧的混合液漫没全部填料，并以一定的流速流经填料，由于填料上布满生物膜，废水与生物膜广泛接触，在生物膜上微生物的新陈代谢作用下，废水中的有机物得到有效去除，废水得到净化，罗茨风机产生的压缩空气由管道进入池内，通过瞬气供给微生物呼吸所需要的复气，并起到搅控和混合的作用，反应后混合液自流进入沉淀池进行泥水分离后自流至中间池，然后用二级过滤除去一部分颜色，最后出水经消毒达标排放。沉淀产生的污泥部分通过回流污泥泵回流至厌氧反应池和接触氧化池，用以补充流失的生物污泥量。剩余污泥与气浮机的污泥排放至污泥池，用压滤机进行污泥脱水处理。滤液回流至厌氧反应池。泥饼外运。

淀粉污水处理工艺

MEDICAL SEWAGE TREATMENT PROCESS



► 工艺简介

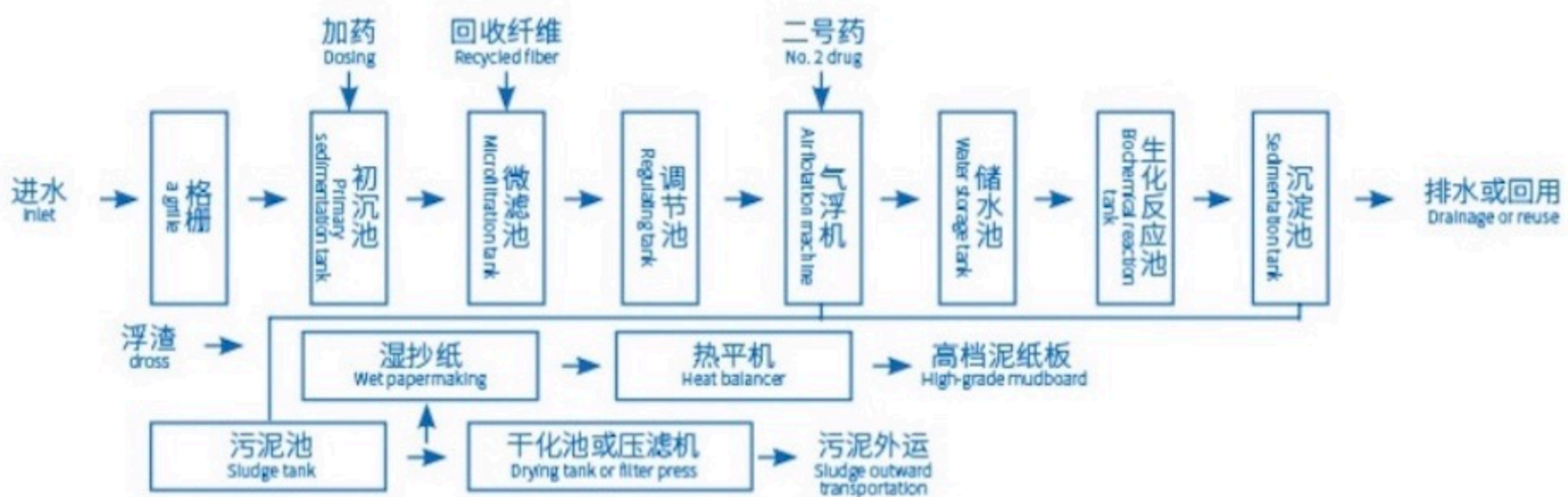
淀粉属多羟基天然高分子化合物，是人类重要的食品，在工业生产中也有广泛的用途。由于工业的发展，淀粉所具有的自然性能已不能满足要求，近十几年来，人们采用化学、物理化学或酶催化技术，对淀粉进行处理。研制出几百种改性淀粉，以满足工业生产的要求。

淀粉生产的主要原料作物为甘薯类和玉米。淀粉废水属于高浓度酸性有机废水，各类综合水质指标均大大超出环保标准要求，会对环境造成很大程度的污染危害。

结合淀粉生产工艺，对该类废水水质水量进行综合分析测评，选用“厌氧—好氧”处理工艺对其进行综合治理与利用，是符合该类废水特点的最佳处理工艺，该工艺投资省，经济效益显著，处理效果好，能确保实现达标。

造纸废水处理工艺

TREATMENT PROCESS OF WASTEWATER CONTAINING HEAVY METALS



► 工艺简介

废水经引水渠自流经格栅过滤粗大物质后，进入集水池，用泵提升至微滤机回收纤维自流进入调节池，沉淀泥砂杂物，再用泵提升至气浮机，泵前加入一号药，进入混凝反应状态，混凝反应时废水经“破乳”电性中和吸附作用，形成细小矾花，机前加入二号药，依靠二号药的絮凝作用，网扑卷扫，矾花变成矾花絮团在曝气反应筒内密集气泡群的浮升作用下，絮团和水固液相分离在水面富集，在水流的推进作用下，刮泥机沿液面运动，将悬浮物推入污泥排放管道，靠重力自流将浮渣送入收集器排出至污泥干化池自然干化、或压滤，干化压滤后的污泥外运填埋或拌煤燃烧，清水由下部调节板溢流水，经管道进入生化处理模块，经生化处理的水达标排放或回收。工艺上采用简单高效的活性污泥法并通过加药沉淀来提高悬浮物的去除率，活性污泥法耐冲击负荷能力强，有机物去除率高，处理效果稳定可靠。曝气系统采用我公司研制的推流式液下曝气机，曝气效果、占地、噪音、动力消耗和操作维护等明显优于其它曝气设备。综合所述，混合废水通过上述处理后，完全可以确保达标排放。

成交案例

TRANSACTION CASES







