



ENVIRONMENTAL EQUIPMENT

Water and wastewater treatment product catalogue

Screening, filtration, sludge handling, dosing, biological treatment and supporting equipment.



Your sourcing link to environmental solutions

CSL IMPEX supports international buyers with product sourcing, supplier coordination, purchasing, specification alignment, packaging, documentation and shipment follow-up. This catalogue presents representative environmental and water-treatment equipment available for sourcing coordination.

PRODUCT SOURCING

Supplier search, comparisons and quotation coordination

TECHNICAL ALIGNMENT

Application, material, capacity and specification confirmation

ORDER FOLLOW-UP

Sampling, production updates and quality checkpoints

EXPORT SUPPORT

Packaging, documentation and shipment coordination

Product Range

- 01** Screening and solids separation
- 02** Filtration and clarification
- 03** Sludge treatment and dewatering
- 04** Biological treatment systems
- 05** Dosing and supporting equipment

Catalogue Notes

- Product images and specifications are provided for preliminary sourcing reference.
- Final models, materials, performance, compliance and commercial terms require written confirmation.
- CSL IMPEX coordinates sourcing and export services; manufacturer selection is confirmed per enquiry.

XZG 转鼓式精密过滤器

Drum type precision filter



工作原理 WORKING PRINCIPLE

污水流入空心转鼓内，由于重力的作用由滤网内漏向外侧流出，水中的悬浮物被截留在不锈钢滤网内侧。转鼓缓慢转动，反冲洗泵抽取过滤后出水对滤网进行反冲洗。冲洗水通过位于转鼓顶部的喷头由滤网外侧向内侧对滤网进行冲洗，冲洗下来的颗粒物质由反冲洗水收集槽收集，并通过排污管道排出设备。

Sewage flows into the hollow drum and flows out of the filter screen due to gravity, and suspended matter in the water is trapped inside the stainless steel filter screen. The rotating drum rotates slowly, and the backwash pump draws out the filtered water and backwashes the filter screen. The flushing water is washed from the outside to the inside of the filter screen through the spray head located on the top of the drum. The washed particulate matter is collected by the backwash water collection tank and discharged from the equipment through the sewage pipe.

应用范围 APPLICATION RANGE

适用于市政污水、自来水、工业废水、渔业、食品、饮料、畜牧、化工、机械制造、金属加工、石油、印染、洗涤、造纸等多种行业。
It is suitable for various industries such as municipal sewage, tap water, industrial wastewater, fishery, food, beverage, animal husbandry, chemical industry, machinery manufacturing, metal processing, petroleum, printing and dyeing, washing, paper making, etc.

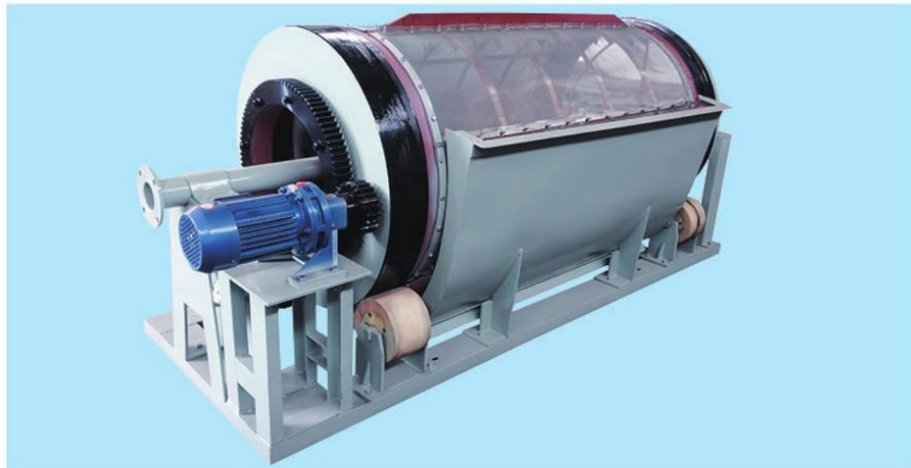
技术优点 TECHNICAL ADVANTAGES

1. 滤网更换方便，独立网片，可独立拆除，而不影响其他滤网。
2. 耐冲击负荷强，设备在进水 ss 不高于 40mg/L 情况下，可正常运行。
3. 水头损失小，水头损失小于 30cm。
4. 处理效果好，进水水质 ss 小于 20mg/L，出水水质 ss 小于 10mg/L。
5. 占地面积小在相同处理水量的情况下，转鼓过滤设备的占地面积远小于其他过滤工艺设备。
6. 冲洗消耗水量小，杂质不易存积于滤网之上，反洗高压水轻松清除杂质。
7. 运行能耗低，耗电量小于其他同类过滤器的 1/4。

1. The filter screen is easy to replace. The independent screen can be removed independently without affecting other filters.
2. Strong impact load resistance, the equipment can operate normally when the inlet water ss is not higher than 40mg/L.
3. The head loss is small, and the head loss is less than 30cm.
4. The treatment effect is good, the influent water quality ss is less than 20mg/L, and the effluent water quality is less than 10mg/L.
5. Small footprint The drum filter equipment covers a much smaller area than other filtration process equipment under the same water treatment conditions.
6. The water consumption for washing is small, and impurities are not easy to accumulate on the filter. Backwash high-pressure water can easily remove impurities.
7. Low energy consumption and less than 1/4 of other similar filters.

XWL 微滤机 (旋转过滤除污机)

Microfiltration machine (rotary filter decontamination machine)



概述 INTRODUCTION

XWL 系列旋转过滤除污机采用 15-20 微米孔筛过滤工艺称之为微滤，微孔过滤是一种机械过滤的方法。它适用于把液体中存在的微小悬浮物质（纸浆纤维）最大限度的分离出来，实现固、液分离的目的，广泛应用于造纸、纺织、印染、化工、食品等污水的过滤，尤其适用于造纸白水的处理，达到封闭循环、重复使用的目的。

XWL series rotary filter decontamination machine uses a 15-20 micron pore filtration process called microfiltration, which is a method of mechanical filtration. It is suitable for the maximum separation of micro-suspended substances (pulp fibers) in the liquid to achieve the purpose of solid and liquid separation. It is widely used in the filtration of wastewater from papermaking, textile, printing and dyeing, chemical, food, etc., especially for papermaking The treatment of white water achieves the purposes of closed circulation and repeated use.



型号 Model	XWL-1	XWL-2	XWL-3	XWL-4	XWL-5	XWL-6
过滤面积 (m²) Filtration area	5	7	9	11	14	18
过滤网目 (目) Filter mesh	60-225	60-250	60-250	60-250	60-250	60-250
过滤白水能力 (t/h) Filtering capacity	50-100	80-150	100-200	120-240	150-300	170-380
滤筒转速 (r/min) Cartridge speed	4-6	4-6	4-6	4-6	4-6	4-6
冲洗水压力 (Mpa) Flushing water pressure	0.3	0.3	0.3	0.3	0.3	0.3
电机功率 (kw) Motor power	1.1	1.5	1.5	2.2	2.2	2.2
滤筒直径 (mm) Cartridge diameter	φ1000	φ1250	φ1250	φ1500	φ1500	φ1500
滤筒长度 (mm) Cartridge length	1500	2000	2500	3000	3500	4000
重量 (t) weight	1.5	2	2.5	3	3.5	4
SS 去除率 (%) SS removal rate	70-85	70-85	70-85	70-85	70-85	70-85
COD 去除率 (%) COD removal rate	20-50	20-50	20-50	20-50	20-50	20-50

XWZ 无轴螺旋输送机

Shaftless screw conveyor



概述 INTRODUCTION

无轴螺旋输送机是一种无中心轴靠螺旋体旋转运输物料的设备，主要用于输送污泥、栅渣等，输送机输送方向由螺旋叶片的螺旋方向决定，可双向输送。本输送机可密闭输送，防止环境污染。

产品特点 PRODUCTS FEATURES

- 1、无轴螺旋输送机采用无轴螺旋工艺，与物料接触面小，摩擦力低，无堵塞缠绕现象。
- 2、螺旋片厚度大，使用寿命长。
- 3、支撑采用整体压制 U 型槽结构，强度高，带有可拆卸上盖板，便于观察物料输送情况。
- 4、U 型槽和无轴螺旋之间采用可以快速拆卸的耐磨衬板，使用寿命长，维修操作方便。
- 5、驱动部分采用摆线针轮减速机，噪音小，传动平稳，无轴螺旋输送机使用寿命长。

型号 Model	XWZ150	XWZ200	XWZ260	XWZ300	XWZ400	XWZ500
螺旋体直径 (mm) Screw diameter	150	200	260	284	365	470
允许工作角度 (α) Allow working angle	0°~30°	0°~30°	0°~30°	0°~30°	0°~30°	0°~30°
最大输送长度 (m) Maximum conveying length	12	13	16	18	22	25
最大输送能力 (t/h) Maximum conveying capacity	2.4	7	9	13	18	28
电机功率 (kw) Motor Power	L ≤ 7	2.2	3	5.5	11	11
	L > 7	2.2	3	4	7.5	15

XLX 螺旋压榨机

Screw press



产品特点 PRODUCTS FEATURES

螺旋压榨机适用于栅渣的压缩脱水。运行时无堵塞，日常维修工作量小。压榨机的螺旋叶片将物料推至出料口管道进行压缩，出料口高度可根据用户需要确定。在机体内设有滤水孔、集水槽。压榨水可通过管道排出。在进料区、压榨区、出水区均设有冲洗系统，使排出的垃圾杂物不会再次污染环境。通常与格栅、输送机等设备配套使用，实行联动控制。

应用范围 APPLICATION RANGE

螺旋压榨机在水处理行业中应用广泛，主要用在格栅固液分离机的栅渣、杂物压缩处理。

型号 Model	XLX-200	XLX-300	XLX-400
螺杆外径 (mm) Screw diameter	200	300	400
螺杆转速 (r/min) Screw speed	5.2	5.2	5.2
处理量 (m³/h) Process load	1.0	2.0	4.0
含水量: 处理前 Water content: before treatment	85-95%	85-95%	85-95%
含水量: 处理后 Water content: after treatment	40-45%	40-45%	40-45%
电机功率 (kw) Motor Power	1.1	2.2	4
	1500	1800	2000
	430	500	600
	360	430	560

XBZ 玻璃钢一体化预制泵站

FRP integrated prefabricated pumping station



概述 INTRODUCTION

玻璃钢一体化预制泵站是替代传统排水泵站的最理想解决方案，是集泵式一体化泵站。该泵站的筒体采用先进的加厚型机械缠绕 GRP 玻璃钢材质制成的。内部的水泵、管路、阀门、仪表、控制设备以及其它用户所需要的附件成套提供，并安装调试完毕后出厂。是一种使用方便，质量可靠，土建工作少，成本较低的新型一体化泵站设备，容积优化是其最显著的特征。根据客户要求控制系统可实现远程控制。

FRP integrated prefabricated pumping station is the most ideal solution to replace the traditional drainage pumping station. It is an integrated integrated pumping station. The cylinder of the pumping station is made of advanced thickened mechanical winding GRP fiberglass material. The internal water pumps, pipelines, valves, instruments, control equipment and other accessories required by users are provided as a set, and will be shipped from the factory after installation and testing. It is a new type of integrated pumping station equipment that is easy to use, reliable in quality, has less civil work, and lower cost. Volume optimization is its most significant feature. The control system can realize remote control according to customer requirements.

应用范围 APPLICATION RANGE

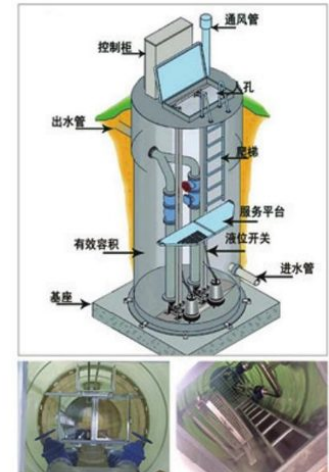
- 生活小区或农村社区污水的收集与输送；
- 城市低洼地区的雨水的收集与输送；
- 城镇污水处理厂污水的收集与输送；
- 市政污水管网的建设与改造；
- 老泵站的改造与扩建；
- 湖泊的水体循环。

- Collection and transportation of sewage in living quarters or rural communities;
- Collection and transportation of rainwater in urban low-lying areas;
- Collection and transportation of sewage from urban sewage treatment plants;
- Construction and transformation of municipal sewage pipe network;
- Renovation and expansion of old pumping stations;
- Lake water circulation.

产品特点 PRODUCTS FEATURES

- 1、所有管路、阀门、泵及控制系统、附件等均采用集成设计，结构紧凑。
- 2、筒体采用先进的耐腐蚀材质强化玻璃钢机械缠绕成形，使用寿命长达 50 年。
- 3、24 小时无人值守运行，配备有自动控制与远程无线监测功能。
- 4、对周围环境影响，泵站埋于地表以下，不会散发异味，减少对环境造成的污染。
- 5、水泵内置过热保护和自动报警灯装置。
- 6、安装和检修方便。

1. All pipelines, valves, pumps, control systems, and accessories are of integrated design and have a compact structure.
2. The cylinder body is formed by advanced anti-corrosion material reinforced glass fiber reinforced plastic, and the service life is up to 50 years.
3. 24-hour unattended operation, equipped with automatic control and remote wireless monitoring functions.
4. There is no impact on the surrounding environment. The pump station is buried below the ground surface, and will not emit odors, reducing pollution to the environment.
5. The pump has built-in overheat protection and automatic alarm lamp device.
6. Convenient installation and maintenance.



XQF 系列高效浅层气浮机

Series of efficient shallow air flotation machine



概述 INTRODUCTION

高效浅层气浮机是集絮凝、气浮、撇渣、沉淀、刮泥于一体的气浮装置，运用“浅池理论”和“零速”原理进行设计，停留时间仅需 3-5min，强制布水，进出水都是静态，微气泡与絮粒的粘附发生在包括接触区在内的整个气浮分离过程，浮渣瞬时排出，水体扰动小，出水悬浮物低，出渣含固率高，悬浮物去除率达到 95% 以上。该设备成功广泛应用于给排水处理工程。

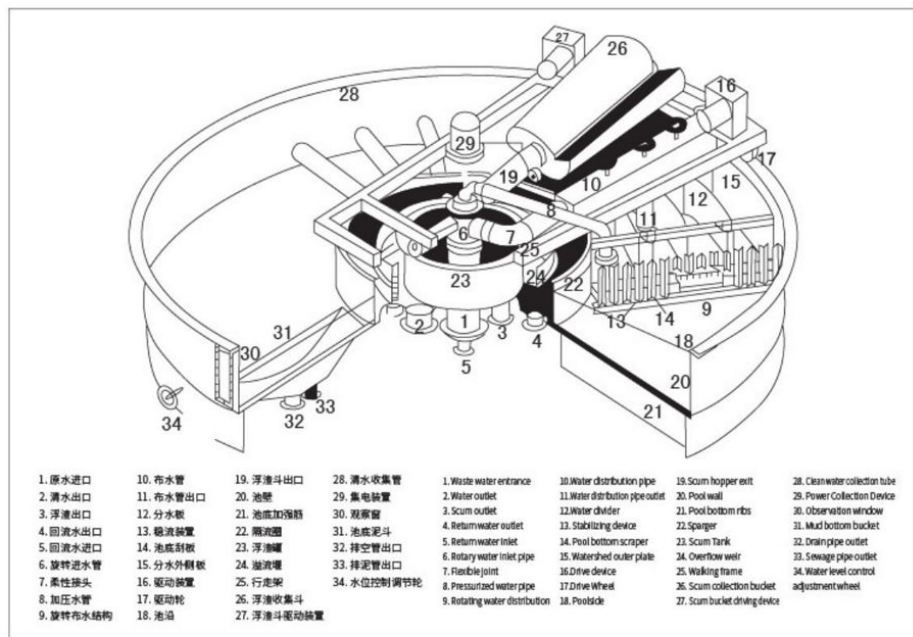
The high-efficiency shallow air flotation machine is an air flotation device that integrates flocculation, air flotation, skimming, sedimentation, and mud scraping. It is designed using the "shallow pool theory" and "zero speed" principles, and the residence time is only 3-5min. Water distribution is compulsory, the inlet and outlet water are static, the adhesion of micro-bubbles and flocs occurs in the entire air separation process including the contact area, the scum is discharged instantaneously, the water body disturbance is small, the effluent suspended matter is low, the slag contains The solid rate is high, and the removal rate of suspended matter reaches more than 95%. The equipment has been widely used in water supply and drainage treatment projects.

显著优势 SIGNIFICANT ADVANTAGE

1. 净化池浅，表面有足够的浮渣储备空间，特别适用于高浓度污水的处理。
2. 处理能力大，停留时间短，表面负荷 8-15m³/m²/h。
3. 结构紧凑，占地面积小；拼装式结构，便于运输，安装。
4. 性能优越，处理效果稳定可靠。
5. 技术先进、设计合理、运行费用低等。

1. The purification tank is shallow and there is enough scum reserve space on the surface, which is especially suitable for the treatment of high-concentration sewage.
2. Large processing capacity, short residence time, and surface load of 8-15m³/m²/h.
3. Compact structure, small footprint; assembled structure, easy to transport and install.
4. Superior performance, stable and reliable processing effect.
5. Advanced technology, reasonable design and low operating costs.

结构示意图 STRUCTURE SCHEMATIC DIAGRAM



应用范围 APPLICATION RANGE

造纸废水
纺织工业废水
制糖工业废水
日用化工废水等

Papermaking wastewater
Textile industry wastewater
Sugar industry wastewater
Daily chemical wastewater



型号 Model	池径 (mm) Pond diameter	处理量 (m³/h) Process load	主机总功率 (kw) Gross power	工作负荷 (t) Working load	回流泵功率 (kw) Reflux pump power
XQF-60	φ4300	40 ~ 70	2.25	18	7.5
XQF-80	φ4800	50 ~ 80	2.25	20	7.5
XQF-110	φ5500	70 ~ 110	2.25	28	15
XQF-150	φ6800	110 ~ 150	3.3	40	15
XQF-200	φ7600	160 ~ 200	3.3	45	15
XQF-250	φ8400	210 ~ 250	3.3	46	22
XQF-300	φ9400	260 ~ 300	3.7	57	22
XQF-400	φ9800	310 ~ 400	3.7	68	22
XQF-450	φ11000	410 ~ 480	3.7	81	37
XQF-500	φ12000	490 ~ 550	5.2	93	37
XQF-600	φ14000	560 ~ 650	5.2	110	37

XPF 平流式溶气气浮机

Advection type dissolved air flotation machine



概述 INTRODUCTION

溶气气浮技术近年来广泛应用于给排水及废水处理中，它可以有效地去除废水中难以沉淀的轻浮絮体。处理能力大、效率高、占地少、使用范围广。被广泛应用于石油、化工、印染、造纸、炼油、皮革、钢铁、机械加工、淀粉、食品等污水处理。

Dissolved air flotation technology has been widely used in water supply and drainage and wastewater treatment in recent years. It can effectively remove light floating flocs that are difficult to precipitate in wastewater. Large processing capacity, high efficiency, less floor space and wide range of use. It is widely used in petroleum, chemical, printing and dyeing, papermaking, oil refining, leather, steel, mechanical processing, starch, food and other sewage treatment.

型号 Model	处理能力 (m³/h) Processing capacity	溶气水量 (m³/h) Water volume	主电机功率 (kw) Main motor power	刮沫机功率 (kw) Wiper power	空压机功率 (kw) Air compressor power	空压机型号 Air compressor model	清水泵型号 Water pump model	溶气罐规格 (mm) Dissolved gas tank specifications
XPF-5	4-5	1.5-2	3	0.75	1.5	V-0.1/8	11//2G25-1	φ400×1000
XPF-10	8-10	2-3	3	0.75	1.5	V-0.14/7	11//2GC-5×2	φ500×1512
XPF-15	10-16	3-4	3	0.75	1.5	V-0.14/7	11//2GC-5×2	φ500×1512
XPF-20	15-20	5-7	7.5	1.1	1.5	V-0.14/7	2GC-5×2	φ500×1512
XPF-30	20-30	6-10	7.5	1.1	1.5	V-0.14/7	21//2GC-5×2	φ500×1512
XPF-40	30-40	8-13	7.5	1.1	1.5	V-0.14/7	21//2GC-6×2	φ600×1880
XPF-50	40-50	15-20	7.5	1.5	2.2	V-0.14/7	IS65-40-200	φ600×1880
XPF-60	50-60	18-27	7.5	1.5	2.2	V-0.14/7	IS65-40-200	φ600×1880
XPF-80	70-80	24-32	7.5	1.5	2.2	V-0.14/7	IS80-65-160	φ650×2034
XPF-105	90-105	30-35	15	1.5	3	V-0.36/7	IS80-50-200	φ700×1980
XPF-150	125-150	60-80	22	2.2	3	V-0.36/7	IS150-80-400	φ800×1980
XPF-200	175-200	80-100	22	3	4	V-0.36/7	IS150-80-400	φ800×2100
XPF-250	225-250	110-120	22	3	4	V-0.36/7	IS150-80-400	φ800×2400
XPF-300	280-300	120-180	37	3	5.5	V-0.67/7	IS150-125-400B	φ1000×2900

XCF 平流式气浮沉淀机

Advection air flotation sedimentation machine



概述 INTRODUCTION

XCF 平流式气浮沉淀机是集气浮、沉淀于一体污水处理设备，该机每个贮泥斗单独设排泥管，各自独立排泥互不干扰，保证沉淀浓度，是专门去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。

XCF advection air flotation sedimentation machine is an integrated sewage treatment equipment that integrates air flotation and sedimentation. Each silt hopper of the machine has a separate drainage pipe, which independently discharges mud without interfering with each other to ensure the concentration of sediment. It is designed for grease, glue and solid suspended solids in sewage, which can automatically separate these substances from wastewater. At the same time, the content of BOD and COD in industrial sewage can be greatly reduced, so that the sewage treatment can reach the discharge standard, thereby reducing the sewage costs. Another important aspect is that by-products generated in wastewater treatment can often be recovered and reused. Realize the effect of one machine with multiple functions and simplified processes.

型号 Model	处理能力 (m³/h) Processing capacity	功率 (kw) Power	长 (m) Long	宽 (m) Width	高 (m) High
XCF-5	5	3.3	2.44	0.93	1.26
XCF-10	10	3.3	3.05	1.23	1.26
XCF-15	15	3.3	3.96	1.23	1.26
XCF-20	20	3.3	4.57	1.23	1.26
XCF-25	25	3.3	5.00	1.50	1.26
XCF-30	30	3.3	5.50	1.52	1.26
XCF-35	35	3.3	5.33	1.52	1.26
XCF-50	50	3.3	6.00	1.80	1.83
XCF-75	75	3.3	6.55	2.41	1.83
XCF-100	100	5.5	7.71	2.41	1.83
XCF-150	150	6.6	11.13	2.41	1.83
XCF-175	175	8.8	12.95	2.41	1.83
XCF-200	200	8.8	15.09	2.41	1.83
XCF-320	320	11	15.09	3.05	1.83
XCF-400	400	13.2	16.60	3.50	1.83
XCF-500	500	15.4	20.60	4.40	1.83

XSF 系列竖流式溶气气浮机

Advection type dissolved air flotation machine



XSF series dissolved air flotation sewage treatment machine is a steel structure. Its working principle is: air is pumped into a force dissolving gas tank, and it is forcibly dissolved in water at a pressure of 0.5Mpa. In the case of sudden release, the dissolved in water The air precipitates, forming a large number of dense micro-bubble groups. During the slow rising process, the suspended matter is adsorbed, so that the density of the suspended matter is lowered and rises, thereby achieving the purpose of removing SS and CODcr. This product is suitable for wastewater treatment of petroleum, chemical industry, papermaking, leather, printing and dyeing, food, starch and so on.

型号 Model	处理能力 (m³/h) Processing capacity	罐体直径 (mm) Tank diameter	罐体高度 (mm) Tank height
XSF-2	2	1200	1600
XSF-3	3	1200	2000
XSF-5	5	1400	2500
XSF-8	8	1600	2500
XSF-10	10	2000	2500
XSF-20	20	2200	3000
XSF-30	30	2400	3750
XSF-50	50	2800	4000
XSF-75	75	2800	4500
XSF-100	100	3000	5000
XSF-150	150	4000	5500
XSF-200	200	4500	5500
XSF-250	250	5000	5500
XSF-300	300	5500	5500
XSF-350	350	6000	5500
XSF-400	400	6000	6000
XSF-500	500	6000	6500
XSF-750	750	7000	7500

概述 INTRODUCTION

XSF 系列溶气气浮污水处理机为钢结构，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 CODcr 的目的。该产品适用于石油、化工、造纸、皮革、印染、食品、淀粉等污水处理。

XQG 系列气浮过滤一体机

Series air flotation filter integrated machine



The air flotation filter integrated machine integrates air flotation, filtration and adsorption, and has a good effect on the separation of oil and water, the removal of suspended matter, COD and BOD. It is widely used in the treatment of oilfield drilling wastewater, oilfield reinjection water, and refinery wastewater, and is particularly suitable for the treatment of small-scale wastewater. The air flotation filter has the characteristics of convenient transportation, simple operation and good processing effect.

概述 INTRODUCTION

气浮过滤一体机集气浮、过滤、吸附于一体，对油水分离、悬浮物、COD、BOD 的去除有很好的效果。广泛应用于油田钻井污水、油田回注水、炼油厂污水的处理，特别适合小规模污水的处理。气浮过滤一体机具有运输方便，操作简单，处理效果好的特点。



工作原理 WORKING PRINCIPLE

主要处理工艺采用物理化学法。将化学法、气浮法、过滤吸附法等传统成熟工艺经过有机组合设计而成。整个装置由污水泵、计量装置、加药箱、反应槽、气浮槽、气浮系统、砂滤器、活性炭吸附柱及电控系统组成。本设备耗电量仅为传统气浮机的 1/10。曝气机可以调节气泡大小，以保证有效的絮凝效果，集絮凝气浮、过滤于一体，大大减少了设备基础投资。浮渣去除由刮渣机和螺旋输送机完成，COD 去除率达 40-50%，SS 去除率达 90%。当整个装置调整至正常工作后，基本可处于自动运行状态，操作方便。主要适用于处理废水经反应后絮体比重接近于水的各类废水，广泛应用于机械、化工、轻纺、交通、食品等行业，特别适用于油田钻井污水、油田回注水、炼油厂污水的处理。

The main treatment process uses physical and chemical methods. The traditional mature processes such as chemical method, air flotation method and filtration adsorption method are designed by organic combination. The whole device is composed of sewage pump, metering device, dosing tank, reaction tank, air flotation tank, air flotation system, sand filter, activated carbon adsorption column and electronic control system. The power consumption of this equipment is only 1/10 of the traditional air flotation machine. The aerator can adjust the bubble size to ensure effective flocculation effect, integrate flocculation, air flotation and filtration, which greatly reduces the equipment basic investment. The scum removal is completed by a slag scraper and a screw conveyor. The COD removal rate reaches 40-50% and the SS removal rate reaches 90%. When the whole device is adjusted to normal operation, it can basically be in automatic running state, which is convenient to operate. Mainly applicable to the treatment of various types of wastewater whose floc density is close to water after reaction. It is widely used in machinery, chemical industry, textile, transportation, food and other industries. deal with.

型号 Model	处理量 (t/h) Treatment quantity	外形尺寸 L×B×H(mm) Outline dimensions	耗用功率 (kw) Power consumption	进水管径 Enter water pipe diameter	出水管径 Outlet pipe diameter
XQG-1	1	2300×1600×2000	3.5	DN25	DN25
XQG-3	2-3	3500×2000×2300	4.0	DN32	DN32
XQG-5	3-5	4100×2200×2500	6.0	DN40	DN40
XQG-10	7-10	7500×3000×3200	8.0	DN65	DN65

XDF 电絮凝气浮机

Electric flocculation air floatation machine



概述 INTRODUCTION

电絮凝污水处理装置是基于电化学处理技术原理的一种处理高浓度、高色度、难降解、有毒有机污染物和含有重金属污染的工业废水的新型设备。本设备在传统的利用电解槽进行废水电絮凝处理基础上，进行了独创性设计和重大改进，使设备在处理废水的过程中同时具有电絮凝、电气浮和电化学氧化还原降解作用，大大提高了有机污染物和重金属的去除率，同时解决了电极钝化问题，显著延长了电极寿命，提高了电流效率。

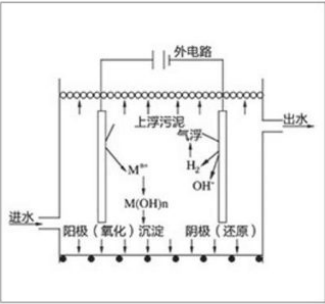
The electric flocculation sewage treatment device is a new type of equipment based on the principle of electrochemical treatment technology to treat high-concentration, high-chroma, difficult to degrade, toxic organic pollutants and industrial wastewater containing heavy metal pollution. This equipment is based on the traditional use of electrolytic cells for wastewater electro-flocculation treatment, and has made original design and major improvements, so that the equipment has the functions of electro-flocculation, electrical floatation and electrochemical redox degradation in the process of wastewater treatment, greatly improving The removal rate of organic pollutants and heavy metals is solved, and the problem of electrode passivation is solved, which significantly extends the life of the electrode and improves the current efficiency.

显著优势 SIGNIFICANT ADVANTAGE

- 各种离子状态的污染物，如 CN^- 、 AsO_4^{3-} 、 Cr^{6+} 、 Cd^{2+} 、 Pb^{2+} 、 Hg^{2+} 等
- 各种有机和无机耗氧物质，如硫化物、氨、酚、油和有色物质等
- 致病微生物
- Contaminants in various ion states, such as CN^- 、 AsO_4^{3-} 、 Cr^{6+} 、 Cd^{2+} 、 Pb^{2+} 、 Hg^{2+} , etc.
- Various organic and inorganic oxygen-consuming substances such as sulfides, ammonia, phenols, oils and colored substances
- Pathogenic microorganisms

反应原理示意图

SCHEMATIC DIAGRAM OF REACTION PRINCIPLE



UASB 上流式厌氧污泥床反应器

Upflow anaerobic sludge bed reactor



概述 INTRODUCTION

UASB 上流式厌氧污泥床反应器是本公司在消化、吸收国内外成果基础上，与科研院所共同开发研制的有机废水处理技术。已成功应用于多种工业废水处理。

UASB Upflow Anaerobic Sludge Bed Reactor is an organic wastewater treatment technology jointly developed by the company and scientific research institutes on the basis of digestion and absorption of domestic and foreign achievements. Has been successfully applied to various industrial wastewater treatment.

工作原理 WORKING PRINCIPLE

UASB 上流式厌氧污泥床反应器的上部设置气、固、液三相分离器，下部分为污泥悬浮层区和污泥床区，废水由反应器底部均匀泵入污泥床区，与厌氧污泥充分接触反应，有机物被厌氧微生物分解成沼气。液体、气体与固体形成混合流上升至三相分离器，使三者很好地分离，使 80% 以上的有机物被转化为沼气，完成废气处理过程。

The upper part of the UASB upflow anaerobic sludge bed reactor is equipped with gas, solid and liquid three-phase separators, the lower part is the sludge suspension zone and sludge bed zone, and the wastewater is pumped into the sludge bed zone evenly from the bottom of the reactor. With full contact and reaction with anaerobic sludge, organic matter is decomposed into biogas by anaerobic microorganisms. The liquid, gas and solid form a mixed flow and rise to the three-phase separator, so that the three are well separated, so that more than 80% of the organic matter is converted into biogas, and the exhaust gas treatment process is completed.

应用特点 APPLICATION CHARACTERISTICS

- 高 COD 负荷 (5-10kgCODcr/m³/d)
- 可产生高沉降性能的颗粒污泥
- 可以产生能源 (沼气)
- 运行费用低
- 可靠性高
- High COD load (5-10kgCODcr / m³/d)
- Granular sludge with high settling performance
- Can produce energy (biogas)
- Low operating cost
- High reliability

型号 Model	直径 (mm) Diameter	高度 (mm) Height	容积负荷 kg COD/m ³ .d Volume loading	沼气产率 kg m ³ /kg.COD Biogas yield	应用领域 Application field
UASB-4/7	4000	7000	3-6	0.2-0.4	造纸、柠檬酸、食品加工、酿酒、淀粉生产、酒精生产、垃圾渗滤液、豆制品加工、生物柴油、医药化工等行业。Papermaking, citric acid, food processing, Winemaking, starch production, alcohol production, Landfill leachate, soy products processing, Biomass fuel, pharmaceutical and chemical industries.
UASB-5/8	5000	8000	3-6		
UASB-7/9	7000	9000	3-6		
UASB-7/10	7000	10000	5-10		
UASB-8/10	8000	10000	5-10		
UASB-8/12	8000	12000	5-10		
UASB-8/12	9000	12000	5-10		
UASB-9/14	9000	14000	5-10		

WSZ 埋地式一体化污水处理设备

Buried integrated sewage treatment equipment



概述 INTRODUCTION

埋地式一体化污水处理设备采用国际先进的生物处理工艺，集去除 BOD₅、COD、NH₃-N 于一身，具有技术性能稳定可靠，处理效果好，投资省，占地少，维护方便等优点。设备埋设于地表以下，设备上面的地表可作为绿化或其他用地，不需要建房及采暖、保温。二级生物接触氧化处理工艺均采用推流式生物接触氧化，其处理效果优于完全混合式或二级串联完全混合式生物接触氧化池。并且活性污泥池体积小，对水质的适应性强，耐冲击负荷性能好，出水水质稳定，不会产生污泥膨胀。池中采用新型弹性立体填料，表面积大，微生物易挂膜，脱膜，在同样有机负荷条件下，对有机物去除率高，能提高空气中的氧在水中溶解度。

生化池采用生物接触氧化法，其填料的体积负荷比较低，微生物处于自身氧化阶段，产泥量少，仅需三个月（90 天）以上排一次泥（用粪车抽吸或脱水成泥饼外运）。该埋地式生活污水处理设备的除臭方式除采用常规高空排气，另配有土壤脱臭措施。整个设备处理系统配有全自动电气控制系统和设备故障报警系统，运行安全可靠，平时一般不需要专人管理，只需适时地对设备进行维护和保养。

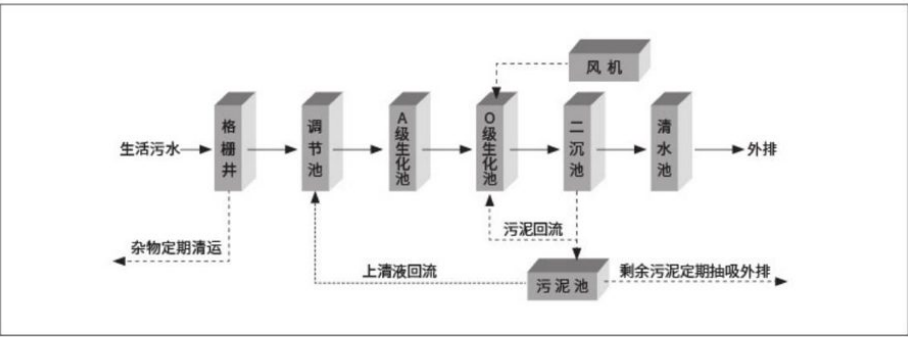
Buried integrated sewage treatment equipment adopts international advanced biological treatment process, which combines the removal of BOD₅, COD and NH₃-N. It has the advantages of stable and reliable technical performance, good treatment effect, low investment, less land occupation and convenient maintenance. The equipment is buried below the ground. The ground above the equipment can be used for greening or other land. There is no need to build a house, heating and heat preservation. The secondary biological contact oxidation process adopts push flow biological contact oxidation, and its treatment effect is better than that of the completely mixed type or the two-stage series fully mixed biological contact oxidation tank. In addition, the activated sludge tank has a small volume, strong adaptability to water quality, good impact load resistance, stable effluent water quality, and no sludge swelling. A new type of elastic three-dimensional filler is used in the tank, which has a large surface area, and the microorganisms are easy to hang and remove the film. Under the same organic load condition, the organic matter removal rate is high, and the solubility of oxygen in the air in water can be improved.

The biochemical pond adopts biological contact oxidation method, and its volume load is relatively low. Microorganisms are in the self-oxidation step, and the sludge production is small. It only needs to drain the sludge once more than three months (90 days) (suction with a manure truck or dehydration). Mud cake delivery). The deodorization method of the buried domestic sewage treatment equipment adopts conventional high-altitude exhaust, and is equipped with soil deodorization measures. The entire equipment processing system is equipped with a fully automatic electrical control system and equipment fault alarm system, which is safe and reliable in operation. Generally, no special person is required to manage, and only the equipment needs to be maintained and maintained in a timely manner.

应用范围 APPLICATION RANGE

住宅小区、企业、医院、宾馆、饭店、服务区、景点、部队、轮船、车站、矿区、综合办公楼等各类与生活污水类似的有机废水。
Residential quarters, enterprises, hospitals, hotels, restaurants, service areas, scenic spots, troops, ships, stations, mining areas, comprehensive office buildings and other types of organic wastewater similar to domestic sewage.

工艺流程图 PROCESS FLOW CHART



型号 Model	WSZ1	WSZ2	WSZ3	WSZ5	WSZ7	WSZ10	WSZ15	WSZ20	WSZ25	WSZ30	WSZ40	WSZ50
处理量 (m³/h) Processing capacity	1	2	3	5	7	10	15	20	25	30	40	50
件数 (件) Number	1	1	1	1	2	3	3	4	4	4	5	5
风机 Air blower	风量 (m³/min) Air volume	0.31	0.59	0.67	1.02	1.72	2.5	4.11	4.11	2.5×2	4.11×2	4.11×3
	风压 (m.mH ₂ O) Wind pressure	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
	功率 (kw) Power	0.55	0.75	1.5	1.5	2.2	3.7	5.5	5.5	3.7×2	5.5×2	5.5×3
水泵 Water pump	流量 (m³/h) Current capacity	1	2	3	5	7	10	15	20	25	30	40
	扬程 (m) Lifting	8	8	8	8	8	8	8	8	8	8	8
	功率 (kw) Power	0.55	0.55	0.55	0.75	0.75	0.75	1.5	1.5	2.2	3.7	5.5
面积 (m²) Area	6	10	14	19	28	39	58	75	93	113	143	168

BAF 曝气生物滤池 Biological aerated filter



技术原理 TECHNICAL PRINCIPLES

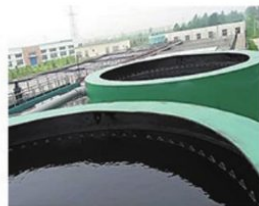
曝气生物滤池 (BAF) 被称为第三代生物滤池。滤池中装填粒径较小的粒状滤料，通过滤池内部曝气，滤料表面生长着高活性的生物膜。污水流经时，利用滤料表面高活性生物膜及滤料之间生物絮体的生物氧化降解作用，对污水进行生化处理；因滤料粒径较小且呈压实状态，在生物膜及滤料之间生物絮体的吸附作用下，滤层可以吸附、截留污水中绝大部分的悬浮物（包括脱落的生物膜），其后不需要设置沉淀池。随着运行时间的延长，滤池水头损失逐渐增加，当达到设计值时需对滤池进行反冲洗，清洗截留的悬浮物以及老化的生物膜。

Aerated biological filter (BAF) is called the third generation biological filter. The filter tank is filled with granular filter material with a small particle size, and through the aeration inside the filter tank, a highly active biofilm grows on the surface of the filter material. When the sewage flows through, the biological oxidation treatment of the sewage is carried out by the biological oxidation of the high-activity biofilm on the surface of the filter material and the biological flocs between the filter material; due to the small particle size and compaction of the filter material, the biofilm and Under the adsorption of biological flocs between the filter materials, the filter layer can adsorb and trap a large part of suspended matter in the sewage (including the shed biofilm), and there is no need to set up a sedimentation tank afterwards. With the extension of the running time, the loss of water head of the filter gradually increases. When the design value is reached, the filter needs to be backwashed to clean the suspended matter and aging biofilm.

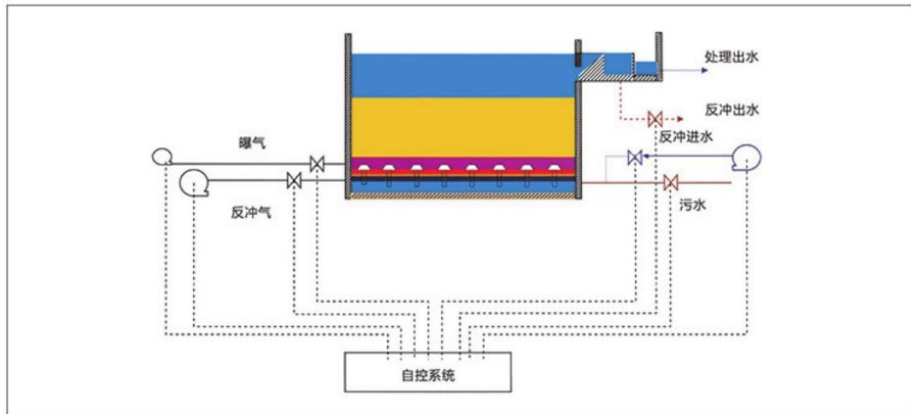
工艺技术优势 PROCESS TECHNOLOGY ADVANTAGES

- 1、出水水质好，可达到回用水水质标准。
- 2、对氨氮的处理出水 $\leq 0.5\text{mg/L}$ ，对 SS 的处理出水 $\leq 5\text{mg/L}$ 。
- 3、占地面积是一般工艺的 $1/3 - 1/5$ 。
- 4、能耗低，运行费用是一般工艺的 $1/2$ 。
- 5、耐冲击负荷、耐低温、启动快。
- 6、全自动化控制，管理非常简单。

1. The effluent water quality is good, and it can meet the reuse water quality standard.
2. The treatment effluent for ammonia nitrogen is $\leq 0.5\text{mg/L}$, and the treatment effluent for SS is $\leq 5\text{mg/L}$.
3. The floor area is $1/3-1/5$ of the general process.
4. Low energy consumption, running cost is $1/2$ of the general process.
5. Resistant to impact load, low temperature and quick start.
6. Fully automatic control, management is very simple.



工艺流程图 PROCESS FLOW CHART



自控系统特点 FEATURES OF AUTOMATIC CONTROL SYSTEM

我公司开发出 BAF 专用的自动控制系统，采用 PLC 控制模块或 DCS 控制系统，具有使用方便、安全性高、成本低的优势。可密切监测滤池的运行状态，根据出水水质的情况、BAF 池的液位、进水泵压力的变化确定反冲的周期和时间（气冲、气水联合反冲、水漂洗），实现滤池的自动反冲洗。

Our company has developed a BAF-specific automatic control system, which uses PLC control modules or DCS control systems. The operating status of the filter tank can be closely monitored, and the cycle and time of backflushing (air flushing, combined air-water backflushing, and water rinsing) can be determined according to the changes in the quality of the effluent water, the level of the BAF tank, and the pressure of the inlet pump to achieve the filter Automatic backwashing.

MBR 膜生物反应器 Membrane bioreactor



概述 INTRODUCTION

MBR 膜生物反应器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。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，使活性污泥浓度大大提高，其水力停留时间 (HRT) 和污泥停留时间 (SRT) 可以分别控制。

MBR membrane bioreactor is a new water treatment technology that combines membrane separation technology and biotechnology organically. It uses membrane separation equipment to trap the activated sludge and macromolecular organic matter in the biochemical reaction tank and save the secondary sedimentation tank. The membrane bioreactor process greatly strengthens the function of the bioreactor through the membrane separation technology, so that the concentration of activated sludge is greatly increased, and its hydraulic residence time (HRT) and sludge residence time (SRT) can be controlled separately.



产品特点 PRODUCTS FEATURES

- 1、对污染物的去除率高，抗污泥膨胀能力强，出水水质稳定可靠，出水中没有悬浮物；
- 2、膜生物反应器实现了反应器污泥龄 STR 和水力停留时间 HRT 的分别控制，因而其设计和操作大大简化；
- 3、膜的机械截留作用避免了微生物的流失，生物反应器内可保持高的污泥浓度，从而能提高体积负荷，降低污泥负荷，具有极强的抗冲击能力；
- 4、由于 SRT 很长，生物反应器又起到了“污泥硝化池”的作用，从而显著减少污泥产量，剩余污泥产量低，污泥处理费用低；
- 5、由于膜的截流作用使 SRT 延长，营造了有利于增殖缓慢的微生物。如硝化细菌生长的环境，可以提高系统的硝化能力，同时有利于提高难降解大分子有机物的处理效率和促使其彻底的分解；
- 6、MBR 曝气池的活性污泥不会随出水流失，在运行过程中，活性污泥会因进入有机物浓度的变化而变化，并达到一种动态平衡，这使系统出水稳定并有耐冲击负荷的特点；
- 7、较大的水力循环导致了污水的均匀混合，因而使活性污泥有很好的分散性，大大提高活性污泥的比表面积。MBR 系统中活性污泥的高度分散是提高水处理的效率的又一个原因。这是普通生化法水处理技术形成较大的菌胶团所难以相比的；
- 8、膜生物反应器易于一体化，易于实现自动控制，操作管理方便；
- 9、MBR 工艺省略了二沉池，减少占地面积。

1. High removal rate of pollutants, strong anti-sludge expansion ability, stable and reliable effluent water quality, and no suspended matter in the effluent water;
2. The membrane bioreactor realizes the separate control of the reactor sludge age STR and hydraulic residence time HRT, so its design and operation are greatly simplified;
3. The mechanical retention of the membrane avoids the loss of microorganisms. The bioreactor can maintain a high sludge concentration, which can increase the volume load, reduce the sludge load, and has a strong impact resistance;
4. Because the SRT is very long, the bioreactor has played the role of "sludge nitrification tank", thereby significantly reducing the sludge output, the remaining sludge output is low, and the sludge treatment cost is low;
5. The SRT is prolonged due to the blocking effect of the membrane, which creates microorganisms that are beneficial to slow proliferation. For example, the environment in which nitrifying bacteria grow can improve the nitrification capacity of the system, and at the same time help to improve the processing efficiency of refractory macromolecular organic matter and promote its complete decomposition;
6. The activated sludge of the MBR aeration tank will not be lost with the effluent. During the operation, the activated sludge will change due to the change of the concentration of the organic matter entered, and reach a dynamic balance, which makes the system effluent stable and impact resistant. The characteristics of the load;
7. The larger hydraulic circulation leads to the uniform mixing of sewage, so that the activated sludge has a good dispersion, and the specific surface area of the activated sludge is greatly improved. The high degree of dispersion of activated sludge in the MBR system is another reason for improving the effectiveness of water treatment. This is difficult to compare with ordinary biochemical water treatment technology to form larger micelles;
8. Membrane bioreactor is easy to integrate, easy to realize automatic control, and easy to operate and manage;
9. The MBR process omits the secondary settling tank and reduces the floor space.

MBR 膜生物反应器工艺结构

PROCESS STRUCTURE OF MBR MEMBRANE BIOREACTOR



XIC 内循环厌氧反应器

Internal circulation anaerobic reactor



概述 INTRODUCTION

XIC 厌氧反应器高度可达 16m ~ 28m，高径比一般为 4—8，由 5 个基本部分组成：混合区、颗粒污泥膨胀床区、精处理区、内循环系统和出水区。其中内循环系统是 IC 工艺的核心部分，由下层三相分离器、沼气提升管、气液分离器和泥水下降管组成。与 UASB、EGSB 反应器的显著差别在于“IC 厌氧反应器特有的内循环结构”利用沼气膨胀做功在无外加能源的条件下实现了大量混合液内循环回流。强化了传质过程，大幅度提高了有机质的去除效率。

The height of XIC anaerobic reactor can reach 16m ~ 28m, and the height to diameter ratio is generally 4-8, which is composed of 5 basic parts: mixing zone, granular sludge expansion bed zone, fine treatment zone, internal circulation system and water outlet zone. Among them, the internal circulation system is the core part of the IC process, which is composed of the lower three-phase separator, the biogas riser, the gas-liquid separator and the muddy water descending pipe. The significant difference from the UASB and EGSB reactors is that "the unique internal circulation structure of the IC anaerobic reactor" uses biogas expansion work to achieve a large amount of internal circulation circulation of the mixed liquid without the need for external energy. The mass transfer process is strengthened and the removal efficiency of organic matter is greatly improved.

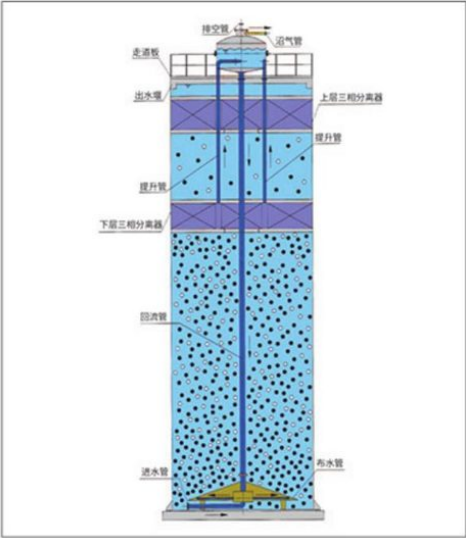
应用特点 APPLICATION CHARACTERISTICS

- | | |
|--------------|-------------------------------------|
| 1、具有很高的容积负荷率 | 1. High volume load rate |
| 2、具有稳定的出水效果 | 2. Has a stable water outlet effect |
| 3、抗冲击负荷能力强 | 3. Strong impact load resistance |
| 4、运行费用低 | 4. Low operating cost |
| 5、调试周期短 | 5. Short commissioning cycle |

技术优点 TECHNICAL ADVANTAGES

废水首入反应器底部的混合区，并与来自泥水下降管的回流液充分混合，然后进入颗粒污泥膨胀床区进行生化降解，该区域 COD 容积负荷很高，大部分 COD 在此处被降解，产生的沼气由下层三相分离器收集，由于沼气泡形成过程中对液体所做的膨胀功产生了气体提升作用，使得沼气、污泥和水的混合物沿沼气提升管上升至反应器顶部的气液分离器，沼气在此处与泥水相分离并被导出处理系统。泥水混合物沿着下降管返回至反应器底部，与进水充分混合后进入污泥膨胀床区，形成所谓的内循环。经颗粒污泥膨胀床区处理后的污水除一部分参与内循环外，其余污水通过下层三相分离器，进入精处理区进行剩余 COD 降解与产沼气过程，提高和保证了出水水质。由于大部分 COD 已被降解，所以精处理区的 COD 负荷较低，产气量也较小。该处产生的沼气由上层三相分离器收集，通过集气管进入气液分离器并被导出处理系统。精处理后的废水经上层三相分离器后，上清液经出水区排出罐外。

The waste water first enters the mixing zone at the bottom of the reactor, and is fully mixed with the return liquid from the sludge downcomer, and then enters the granular sludge expansion bed zone for biochemical degradation. The biogas generated is collected by the lower three-phase separator. The expansion work of the liquid during the formation of biogas bubbles produces a gas lifting effect, which causes the mixture of biogas, sludge and water to rise to the top of the reactor along the biogas riser. Gas-liquid separator, where biogas is separated from muddy water and led out to the treatment system. The mud-water mixture returns to the bottom of the reactor along the downcomer, and is fully mixed with the feed water to enter the sludge expansion bed area, forming a so-called internal circulation. Except for a part of the sewage treated by the granular sludge expansion bed area, the remaining sewage passes through the lower three-phase separator and enters the fine treatment area for the remaining COD degradation and biogas production process, which improves and ensures the effluent water quality. Since most of the COD has been degraded, the COD load in the finishing area is low and the gas production is also small. The biogas produced there is collected by the upper three-phase separator, enters the gas-liquid separator through the gas collecting pipe and is led out of the treatment system. After the refined wastewater passes through the upper three-phase separator, the supernatant is discharged out of the tank through the outlet area.



型号 Model	直径 (mm) Diameter	高度 (m) Height	容积负荷 kg COD/m ³ .d Volume loading	沼气产率 kg m ³ /kg.COD Biogas yield
XIC-4000	4000	16	10-15	0.2-0.35
XIC-6000	6000	19	10-15	
XIC-7000	7000	22	12-17	
XIC-8000	8000	25	15-20	
XIC-9000	9000	28	20-25	
XIC-10000	10000	28	21-28	

XNH 氨氮吹脱塔

Ammonia nitrogen stripping tower



概述 INTRODUCTION

我公司开发的氨氮处理系统通过将氨氮吹脱和吸收塔净化等多项技术组合起来，处理不同浓度的氨氮废水，可以将 10000mg/L 以上的氨氮废水处理到排放要求。处理后的氨氮浓度在 15mg/L 以下，达到国家一级排放标准。我公司在氨氮吹脱塔后又设置了吸收塔，从而使排向大气的空气为净化后的气体，无污染。

应用领域：医药、农药化工废水；垃圾填埋厂渗滤液；化肥生产废水；焦化行业废水；稀土冶炼废水；生活污水等。

The ammonia nitrogen treatment system developed by our company combines ammonia nitrogen blow-off and absorption tower purification and other technologies to treat ammonia nitrogen wastewater of different concentrations, and can treat ammonia nitrogen wastewater above 10000mg/L to discharge requirements. The ammonia nitrogen concentration after treatment is below 15mg/L, which meets the national first-level emission standard. Our company has installed an absorption tower after the ammonia nitrogen blowing off tower, so that the air discharged to the atmosphere is purified gas without pollution.

Application areas: pharmaceutical and pesticide chemical wastewater; landfill leachate; fertilizer production wastewater; coking industry wastewater; rare earth smelting wastewater; domestic sewage, etc.

系统特点与工艺流程 SYSTEM CHARACTERISTICS AND TECHNOLOGICAL PROCESS

- (1) 通过组合工艺，能处理不同浓度的废水，氨氮去除率高，处理后达到国家一级排放标准 $\leq 15\text{mg/L}$ 以下。
- (2) 低能耗、低成本，每吨废水的处理成本在 5-10 元，远远低于传统工艺的处理成本 15-25 元/吨。
- (3) 系统产生的废气全部进入氨吸收系统，使整个处理更加环保。
- (4) 设备内部设计更加合理，解决了低温气候对吹脱效率的影响和长时期运行后填料的堵塞问题。
- (5) 设备采用玻璃钢材质或碳钢防腐材质进行加工，解决了传统设备使用污水腐蚀带来的寿命较短的问题。

- (1) Through the combined process, it can treat wastewater with different concentrations. The ammonia nitrogen removal rate is high. After treatment, it reaches the national first-level discharge standard $\leq 15\text{mg/L}$.
- (2) Low energy consumption and low cost, the treatment cost of wastewater per ton is 5-10 yuan, far lower than the traditional process cost of 15-25 yuan/ton.
- (3) The exhaust gas generated by the system all enters the ammonia absorption system, making the whole process more environmentally friendly.
- (4) The internal design of the equipment is more reasonable, which solves the effect of low temperature climate on the blow-off efficiency and the problem of plugging of the filler after long-term operation.
- (5) The equipment is processed with glass fiber reinforced plastic or carbon steel anticorrosive material, which solves the problem of short life caused by sewage corrosion caused by traditional equipment.

XXG 系列斜管沉淀器

Series Inclined Tube Precipitator



概述 INTRODUCTION

主要用于电厂酸碱废水、锅炉废水及锅炉酸洗废水处理系统。市政给水工程高浊度水预处理、污水厂高浓度含泥沙水的澄清分离处理，快速有效的去除水中高浓度悬浮物和有机物，悬浮物去除率可达 95% 以上，排泥浓度为 2%-4% 尤其在用于砂石冲洗和打磨水处理时，出水可达到循环利用的效果。

Mainly used for power plant acid-alkali wastewater, boiler wastewater and boiler acid washing wastewater treatment system, municipal water supply engineering high turbidity water pretreatment, clarification and separation treatment of high-concentration sediment water in sewage plant, and quickly and effectively remove high-concentration suspended solids And organic matter, the removal rate of suspended matter can reach more than 95%, and the sludge concentration is 2% -4%. Especially when used for sand and stone washing and polishing water treatment, the effluent can achieve the effect of recycling.

型号 Model	外形尺寸 (mm) Outline dimensions	处理量 (t/h) Process load	设备重量 (t) Equipment weight	运行重量 (t) Operating weight
XXG-5	3500 × 1500 × 2250	5	2.80	8
XXG-10	4600 × 1700 × 2500	10	3.30	13
XXG-15	6000 × 1700 × 2500	15	3.80	18
XXG-20	6500 × 2000 × 2500	20	4.20	25
XXG-25	6700 × 2000 × 2500	25	5.00	31
XXG-30	6900 × 2200 × 2500	30	6.00	37
XXG-40	8200 × 2200 × 2800	40	6.80	48
XXG-50	9800 × 2200 × 2800	50	8.10	60

XBS 系列旋转式滗水器

Series Rotary Decanter



概述 INTRODUCTION

旋转式滗水器由滗水堰口、支管、干管、可进行 360° 旋转的回转支撑、滑动支撑、驱动装置、自动控制装置等组成。

The rotary decanter is composed of a decanter weir, branch pipe, main pipe, slewing support capable of 360° rotation, sliding support, driving device, automatic control device, etc.

型号 Model	流量 (m³/h)	撇水深度 (m)	电机功率 (kw)
XBS100	100	1.5-2.0	0.37
XBS200	200	1.5-2.0	0.37
XBS400	400	1.5-2.0	0.55
XBS600	600	1.5-2.0	0.75
XBS800	800	1.5-2.0	1.1
XBS1000	1000	1.5-2.0	1.5
XBS1250	1250	1.5-2.0	1.5

XSC 系列旋转钟式除砂机

Series Rotary Bell Desander



概述 INTRODUCTION

旋转钟式除砂机是一种新引进的技术，用于给排水工程中去除直径 0.2mm 以上的大部分砂粒，去除率 98% 以上。污水从沉砂池的切向进入，具有一定的流速，从而对砂粒产生离心力，使较重的砂粒，沿池壁及沉砂池独特的结构沉降到池底集砂槽，同时防止细小砂粒下沉。通过先进的空气提升系统为沉砂的排出提供良好的条件，直接将沉砂粒输送到砂水分离器设备中，实现砂粒与污水的彻底分离。

Rotary bell sand remover is a newly introduced technology used to remove most of the sand particles with a diameter of more than 0.2mm in water supply and drainage projects, with a removal rate of more than 98%. Sewage enters from the tangential direction of the grit sink, and has a certain flow rate, thereby generating centrifugal force on the sand particles, so that the heavier sand particles settle down to the sand collecting trough along the pool wall and the unique structure of the grit sink, while preventing fine sand particles sink. The advanced air lifting system provides good conditions for the discharge of the grit, and directly transports the grit to the sand-water separator equipment to achieve complete separation of the grit and sewage.

型号 Model	流量 (m³/h) Flow	电机功率 (kw) Motor Power	A	B	C	D	E	F	G	H	L
XSC-1.8	180	0.55	1830	1000	305	610	300	1400	300	500	1100
XSC-3.6	360	0.55	2130	1000	380	760	300	1400	300	500	1100
XSC-6.0	600	0.55	2430	1000	450	900	300	1350	400	500	1150
XSC-10	1000	0.75	3050	1000	610	1200	300	1550	450	500	1350
XSC-18	1800	0.75	3650	1500	750	1500	400	1700	600	500	1450
XSC-30	3000	1.1	4870	1500	1000	2000	400	2200	1000	500	1850
XSC-46	4600	1.1	5480	1500	1100	2200	400	2200	1000	500	1850
XSC-60	6000	1.5	5800	1500	1200	2400	400	2500	1300	500	1950
XSC-78	7800	2.2	6100	1500	1200	2400	400	2500	1300	500	1950

XFL 系列砂水分离器

Series sand water separator



概述 INTRODUCTION

分离效率可达 90-98%，可分离出粒径 ≥ 0.2mm 的颗粒。采用无轴螺旋，无水中轴承，维护方便。结构紧凑，重量轻。

新型的传动装置，其关键部位减速机为先进的轴装式，不用联轴器，安装对中方便。衬条为快装式，便于更换。

螺旋轴向位置可调，便于调整其尾端和箱壁的安全间隙。

The separation efficiency can reach 90-98%, and can separate particles with a particle size ≥ 0.2mm. It adopts shaftless spiral and waterless bearing, which is convenient for maintenance.

Compact structure and light weight. The key part of the new type of transmission device is an advanced shaft-mounted type. It does not need a coupling and is easy to install and center.

The lining strip is quick-installed for easy replacement. The axial position of the screw is adjustable, which is convenient for adjusting the safety clearance between its tail end and the box wall.

型号 Model	XFL260	XFL320	XFL355	XFL420
流量 (m³/h) Flow	15-55	55-80	80-110	110-130
池容积 (m³) Pool volume	1.25	1.8	3.2	4.3
电机功率 (kw) Motor Power	0.25	0.37	0.75	0.75
脱水率 (%) Dehydration rate	> 95	> 95	> 95	> 95
L (mm)	3850	4390	5850	6280
B (mm)	1260	1500	1600	1750
H1 (mm)	1500	1500	2150	2150
H (mm)	1520	1730	2400	2550

XBG 周边传动刮吸泥机

Peripheral drive scraping and suction machine



概述 INTRODUCTION

周边传动刮吸泥机采用周边传动，污水从池中心的进水管流入，经稳流筒扩散后，均匀的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，驱动装置驱动工作桥架沿周边旋转，并带动刮臂及刮泥板转动，刮泥板将污泥刮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，水面上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堰板溢入出水槽内排出。周边传动刮吸泥机适用于中心进水，周边出水，中心排泥的大、中、小型池径的辐流式沉淀池，主要用于城镇污水处理厂二沉池内吸排泥。

Peripheral drive scraping and suction machine adopts peripheral drive. Sewage flows in from the water inlet pipe in the center of the pool. After being diffused by the steady flow tube, it uniformly flows out radially to the periphery. The suspended sludge is deposited on the bottom of the tank after sedimentation. The device drives the working bridge to rotate along the periphery, and drives the scraper arm and mud scraper to rotate. After the mud scraper scrapes the sludge, it is sucked by the suction pipe by the static water pressure in the pool to the mud collection tank and discharged into the central mud tank. Through the central sludge discharge pipe, the scum on the water surface is introduced into the slag hopper through the rotary skimming device and discharged out of the pond; while the supernatant overflows into the outlet tank through the triangular outlet weir plate. Peripheral drive scraping and suction mud machine is suitable for central inlet, peripheral water outflow, central, large, medium and small pool diameter auxiliary flow sedimentation tank, mainly used for suction and discharge of mud in the secondary sedimentation tank of urban sewage treatment plant.

型号 Model	池径 φ (m) Pond diameter	周边线速 (m/min) Around the wire-speed	单边功率 (kw) Around the wheel pressure	周边轮压 p (kg)	滚轮轮距 φ1 (m) Wheel tread	池深 (mm) Pond depth
XBG-14	14	2-3	0.55-0.37	1800	14.4	3000-5000
XBG-16	16			1800	16.4	
XBG-18	18			2000	18.4	
XBG-20	20			2500	20.4	
XBG-24	24		0.75-0.37	3500	24.4	
XBG-25	25			4000	25.4	
XBG-28	28			5000	28.4	
XBG-30	30			6000	30.4	
XBG-35	35		1.1-0.75	7500	35.4	
XBG-40	40			8000	40.4	
XBG-42	42		1.5-0.75	8250	42.4	
XBG-45	45			8600	45.4	
XBG-55	55			9500	55.4	

XZG 中心传动刮泥机

Center drive mud scraper



概述 INTRODUCTION

悬挂式中心传动刮泥机主要由减速驱动机构、传动力轴、刮壁、水下轴承及集泥槽刮板等部件组成，整套刮泥机的荷载都作用在固定横跨池径的工作桥中心。
原水经中心配水筒布水后呈辐射流向池子周边溢水槽，随着流速的降低，水体中的悬浮物被分离而沉降于池底，通过减速驱动和悬挂式组件的传动，由刮板将污泥刮集到中心集泥槽，依靠静水压力或泵排出池外。

Suspension center drive mud scraper is mainly composed of deceleration drive mechanism, transmission force shaft, scraping wall, underwater bearing and mud tank scraper and other components. The load of the whole mud scraper acts on the work of fixing across the pool diameter Bridge center.
After the water is distributed through the central water distribution tube, the raw water radiates to the overflow tank around the pool. With the decrease of the flow rate, the suspended matter in the water body is separated and settled to the bottom of the pool. The mud scrapes are collected into the central mud collection tank, and are discharged out of the pool by means of hydrostatic pressure or a pump.

用途与介绍 PURPOSE AND INTRODUCTION

XZG 悬挂式中心传动刮泥机，适用于给排水工程中水厂或污水处理厂直径一般不大于 20m 的辐流式（圆形）沉淀池的污泥刮集和排除。
XZG suspended central drive sludge scraper is suitable for sludge collection and removal of radial flow (circular) sedimentation tanks with diameters of not more than 20m in waterworks or sewage treatment plants in water supply and drainage projects.

型号 Model	池径 φ (m) Pond diameter	周边线速 (m/min) Around the wire-speed		电机功率 (kw) Motor Power	推荐池深 (m) Recommended pond depth	
		初沉池 Initially sedimentation pond	二沉池 Two sedimentation ponds			
XZG-4	4	2-3	1.5-2.5	0.37	3-4.4	
XZG-5	5					
XZG-6	6					
XZG-7	7					
XZG-8	8			0.55		
XZG-9	9					
XZG-10	10					
XZG-12	12			0.75		
XZG-14	14					
XZG-16	16					



XHG 系列桁车式刮吸泥机

Series of trussed car scraping and suction machine



概述 INTRODUCTION

XHG 型虹吸式吸泥机是沉淀池常用的机械排泥装置之一，广泛适用于给排水工程设置于地表或半地下的平流沉淀池沉积污泥的刮吸排除，尤其适用于斜管矩形沉淀池的沉淀污泥排除。

XHG type siphon suction machine is one of the commonly used mechanical desilting devices in sedimentation tanks. It is widely used for scraping and suction of sediment sludge in advection sedimentation tanks set on the surface or semi-underground of water supply and drainage projects, especially suitable for oblique tube rectangular sedimentation. The sediment sludge in the pond is eliminated.

型号 Model	池宽 (m) Pond width	轨距 (m) gauge LK	行走功率 (kw) Walking power	行走速度 (m/min) Walking speed	虹吸式 Siphon		集泥式排泥量 (m³/h)	H (mm)	L1 (mm)	轨道型号 (kg/m)	
					吸泥管	真空率 / 潜水泵功率 (m³/h)					
XHG-4	4	4.3	0.37	0.5-2.0	2×DN50	0.75/0.22	20-35	800	500	15	
XHG-6	6	6.3			5×DN50		30-60				
XHG-8	8	8.3			6×DN50		40-70				
XHG-10	10	10.3			8×DN50		100-140	950	600		
XHG-12	12	12.3			8×DN50		100-140				
XHG-14	14	14.3	10×DN50		100-140		1100	650			
XHG-16	16	16.3	10×DN50		150-210						
XHG-18	18	18.3	10×DN75		150-210		1200	750			
XHG-20	20	20.3	10×DN75		单边排泥 0.75/0.22 双边排泥 2×0.75/2×2.2	200-280		1650	850	22	
XHG-22	22	22.3	12×DN75			200-280					
XHG-25	25	25.3	12×DN75			250-350					

XWF 系列重力式无阀滤池

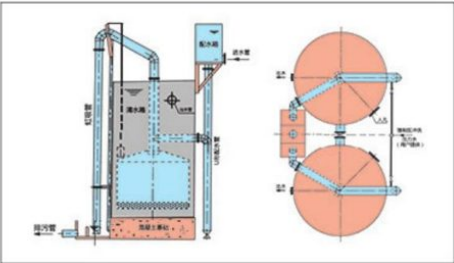
Series gravity valveless filter



应用范围 APPLICATION RANGE

XWF 型重力式无阀滤池主要利用虹吸原理进行定期自动冲洗，无需反洗水泵和部分阀门。
广泛应用于地表水净化，地下水除铁除锰，循环水旁滤等后续工作。

XWF gravity valveless filter tank mainly uses the principle of siphon to carry out regular automatic flushing without backwashing water pump and some valves.
It is widely used in follow-up work such as surface water purification, groundwater removal of iron and manganese, and circulating water bypass filtration.



型号 Model	处理能力 (m³/h) Processing power	设备外形尺寸 (mm) Equipment dimensions	配水罐尺寸 (mm) With tank size	反冲洗历时 (min) Backwash duration	平均反冲洗强度 (L/m²·s) Average backwash intensity
XWF-20	20	1.4×1.4×4.5m	600×800×2000	5	15
XWF-40	40	2.0×2.0×4.5m	800×800×2000		
XWF-60	60	2.5×2.5×4.5m	1200×800×2000		
XWF-80	80	2.8×2.8×4.5m	1600×800×2000		
XWF-100	100	3.0×3.0×4.5m	2000×800×2000		
XWF-125	125	3.5×3.5×4.5m	2000×800×2000	5	15
XWF-150	150	3.9×3.9×4.5m	2000×1000×2000		

XYT 一体化净水器

Integrated water purifier



概述 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，再配以本公司生产的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）。

本系列净水装置，不仅使用范围广，处理效果好，出水水质优良，而且耗水量少，动力消耗省，占地面积小，节电，节水，节人工，可省去辅助机泵及设施的新型节能新产品。

The integrated water purifier collects the essence of the process of flocculation, sedimentation, sewage, backwashing, water collection filtration and other processes. It can achieve the fully automatic operation of the single series of water purification devices without the need for human operation, which realizes the automatic management of the water plant. The important unit, together with the automatic dosing device and disinfection equipment produced by our company, can become a water purification station (factory) with a full set of functions.
This series of water purification devices not only have a wide range of use, good treatment effect, excellent effluent quality, but also low water consumption, low power consumption, small footprint, power saving, water saving, labor saving, and can save auxiliary machine pumps and facilities New energy-saving new products.

应用范围 APPLICATION RANGE

- 适用于浊度小于 3000mg/L 的各类江、河、湖、水库等为水源的农村、城镇、工矿企业的水厂，作为主要的净水处理装置。
 - 对于低温、低浊、有季节性藻类的湖泊水源，有其特殊的适用能力。
 - 对高纯水、饮料工业用水、锅炉用水等作前置水处理的预处理设备。
 - 用于各类工业循环水系统，可有效而大幅度地提高循环水水质。
1. It is suitable for the water plants of various types of rivers, rivers, lakes and reservoirs with a water turbidity of less than 3000mg/L in rural, urban, industrial and mining enterprises as water sources, as the main water purification treatment device.
2. For lake water sources with low temperature, low turbidity and seasonal algae, it has its special application ability.
3. Pretreatment equipment for pre-treatment of high-purity water, beverage industry water, boiler water, etc.
4. Used in various industrial circulating water systems, which can effectively and greatly improve the quality of circulating water.

型号 Model	工作 压力	额定处理水 量 (m³/h)	出水 浊度	主体外形尺寸	管径及标高								运行重量 (t)
					进水管		出水管		排泥管		反冲排污		
					DN	H	DN	H	DN	H	DN		
XYT-P-50	0.3	2.1	≤ 3	φ1000×2800	25	75	50	80	25	100	50	4.00	
XYT-P-100		4.2		φ1200×2800	50	50	80	315	40	200	80	5.20	
XYT-P-200		8.3		φ1600×3040			80	300	40		80	7.50	
XYT-P-300		12.5		φ1800×3050	75	56	100	323	40		100	11.00	
XYT-P-500		21		φ2400×3260			150	430	50		150	20.50	
XYT-P-1000		42		φ2600×3860	100	150	150	150	100		100	37.00	
XYT-P-1500		62.5		2800×6000×2700	125	200	200	200	125	400	150	51.00	
XYT-P-2400		100		3000×6900×2700	150	220	200	220	125		150	76.00	
XYT-G-200		10		2100×1800×2900	65	150	80	2500	50	400	14.0		
XYT-G-500		21		2600×2200×2900	80	150	100	2500	50	400	22.0		
XYT-G-750	31	3200×2500×2900		100	150	125	2400	50	400	32.0			
XYT-G-1000	42	4000×2650×2900		100	150	125	2400	50	400	41.5			
XYT-G-1200	50	4800×2650×2900		125	150	150	2400	50	400	55.0			
XYT-G-1500	62.5	5500×2800×4800		125	250	150	2200	80	150	75.0			
XYT-G-2000	83	6000×3000×4800		150	250	200	2200	80	150	82.0			
XYT-G-2400	100	7200×3200×4800		200	250	200	2200	100	150	120.0			
XYT-G-3600	150	6000×3400×4800		250	300	250	2400	100	150	100/80			
XYT-G-5000	210	8000×3400×4800		250	300	300	2400	150	200	138/110			
XYT-G-6000	250	8800×3600×4800		300	350	300	2400	150	200	145/125			

XJG 系列机械过滤器

Series mechanical filter



概述 INTRODUCTION

XJG 系列机械过滤器是将需要过滤的水经泵升压后（约 0.6MPa）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。

The XJG series mechanical filter is to pressurize the water to be filtered by the pump (about 0.6MPa) through the filter layer to achieve the purpose of filtration, quartz sand filtration can be used for ion exchange method softening, pretreatment of the desalination system, the reverse osmosis device filtering, life, industrial wastewater filtration treatment and industrial water supply coarse filtration and swimming pool water filtration with low water quality requirements, etc., the size of the filter material depends on the water quality requirements.

应用范围 APPLICATION RANGE

广泛应用于食品、医药、电子、化工等行业的水处理工程中，是中水回用处理中的后续处理设备，也是水处理过程中的预处理设备，用于防止水中污染物对后续设备的污染，也可用于改善水的气味和色度。

It is widely used in water treatment projects in food, medicine, electronics, chemical and other industries. It is a follow-up treatment equipment in the reuse of reclaimed water, and also a pre-treatment equipment in the process of water treatment. It is used to prevent pollutants in water from affecting the subsequent equipment. Pollution can also be used to improve the smell and color of water.



活性炭
Activated carbon



石英砂
Quartz sand

规格型号 Model	直径 × 高 (mm × mm) Diameter × height	处理水量 (t/h) Processing water volume
XJG-500	φ500 × 1600	2
XJG-600	φ600 × 1680	3
XJG-800	φ800 × 2100	5
XJG-1000	φ1000 × 2200	7.5
XJG-1200	φ1200 × 2600	10
XJG-1400	φ1400 × 2800	15
XJG-1600	φ1600 × 3300	20
XJG-2000	φ2000 × 3600	30
XJG-2500	φ2500 × 3800	50
XJG-3000	φ3000 × 4200	70
XJG-3600	φ3600 × 4600	100

XXW 高效纤维球过滤器

High efficiency fiber ball filter



应用范围 APPLICATION RANGE

高效纤维球过滤器可以有效去除水中的悬浮物，并对水中的有机物、胶体、铁、锰等有明显的去除效果。广泛应用于电力、石油、化工、冶金、造纸、纺织、食品、饮料、汽车、锅炉、水产等行业。并可作为反渗透、离子交换、电渗析等的预处理，也可作为污水生化处理后的深度处理，使滤后水达到回用的要求。

High-efficiency fiber ball filter can effectively remove suspended matter in water, and has obvious removal effect on organic matter, colloid, iron and manganese in water. Widely used in electric power, petroleum, chemical industry, metallurgy, paper making, textile, food, beverage, automobile, boiler, aquatic products and other industries. It can be used as pretreatment for reverse osmosis, ion exchange, electrodialysis, etc., and can also be used as advanced treatment after sewage biochemical treatment, so that the filtered water can meet the requirements of reuse.



概述 INTRODUCTION

纤维过滤器是水处理过程中一种重要的过滤设备，该过滤器选用的纤维球滤料，是由经过新的化学配方合成的特种纤维丝做成，其主要特点是经过本质的改性处理将纤维滤料由亲油性改变为亲水性。其滤料直径可达几十微米甚至几微米，具有比表面积大，过滤主力小等优点，解决了粒状滤料的过滤精度受滤料粒径限制等问题。是石英砂等颗粒状滤料过滤设备的更新换代产品。

该产品应用于油田含油污水等方面的精细过滤，纤维球不易粘油，便于反洗再生、过滤精度高。

改性高效纤维过滤器可有效地去除水中的悬浮物，并对水中的有机物、胶体、铁、锰等有明显的去除作用。

Fiber filter is an important filtration equipment in the water treatment process. The fiber ball filter material used for this filter is made of special fiber silk synthesized by a new chemical formula. Its main feature is that it is essentially modified. Change the fiber filter material from lipophilic to hydrophilic. The diameter of the filter material can reach tens of micrometers or even a few micrometers. It has the advantages of large specific surface area and small filtering force. It solves the problem that the filtration accuracy of granular filter materials is limited by the size of the filter materials. It is an updated product of quartz sand and other granular filter material filtration equipment.

The product is used for fine filtration of oily sewage in oil fields. The fiber ball is not easy to stick oil, which is convenient for backwash regeneration and high filtration accuracy.

Modified high-efficiency fiber filter can effectively remove suspended matter in water, and has obvious removal effect on organic matter, colloid, iron and manganese in water.

型号 Model	处理量 (m³/h) Processing capacity	功率 (kw) Power	a 过滤进水 反洗出水 a water filter Backwash water	b 过滤进水 反洗出水 b water filter Backwash water	C 排气 c exhaust	过滤面积 (m²) Filtering area	地基荷载 (t/m²) Ground load
XXW-800	15	4	DN50	DN50	DN25	0.502	3.2
XXW-1000	20	4	DN65	DN65	DN32	0.785	3.0
XXW-1200	30	4	DN80	DN80	DN32	1.131	3.2
XXW-1600	60	5.5	DN100	DN100	DN32	2.011	3.8
XXW-2000	90	11	DN125	DN125	DN32	3.141	4.2
XXW-2400	130	18.5	DN150	DN150	DN40	4.524	4.4
XXW-2600	160	18.5	DN150	DN150	DN40	5.309	4.5
XXW-2800	180	22	DN200	DN200	DN40	6.158	4.7
XXW-3000	210	22	DN200	DN200	DN40	7.069	4.9

XDU 系列橡胶带式真空过滤机
Series Rubber Belt Vacuum Filter



XDU series rubber belt vacuum filter is a device that realizes solid-liquid separation with vacuum negative pressure as the driving force. Structurally, the filtration section is arranged along the horizontal length direction, which can continuously complete filtration, washing, suction drying, and filter cloth regeneration. Operation, the equipment has the advantages of high filtration efficiency, large production capacity, good washing effect, low cake moisture, flexible operation, low maintenance cost and so on. It can be widely used in solid-liquid separation in the fields of metallurgy, mining, chemical industry, papermaking, food, pharmaceutical, environmental protection, etc. Especially in the flue gas desulfurization (FGD) gypsum dehydration has a good application.

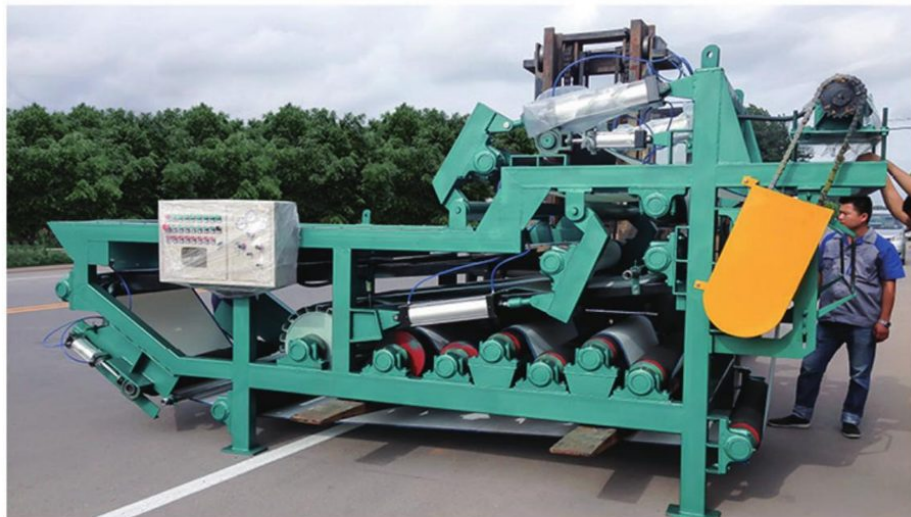


概述 INTRODUCTION

XDU 系列橡胶带式真空过滤机是以真空负压为推动力实现固液分离的设备,在结构上过滤区段沿水平长度方向布置,可以连续完成过滤、洗涤、吸干、滤布再生等作业,设备具有过滤效率高、生产能力大、洗涤效果好、滤饼水份低、操作方便,维修费用低等特点。可广泛应用于冶金、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(FGD)中的石膏脱水方面有良好的应用。

过滤宽度/m		1.3		1.8		2.0		2.5		3.2		4.0		4.5	
过滤长度/m	网眼数	过滤面积/m ²	重量/t	过滤面积/m ²	重量/t	过滤面积/m ²	重量/t	过滤面积/m ²	重量/t	过滤面积/m ²	重量/t	过滤面积/m ²	重量/t	过滤面积/m ²	重量/t
8	3	10.4	8.3	14.4	12.7	16	14.2	20	20.0	25.6	26.3				
10	4	13.0	9.0	18.0	13.7	20	15.4	25	22.0	32.0	28.5				
12	5	15.6	10.5	21.6	15.3	24	17.2	30	25.3	38.4	32.9	40	48.0	54	55.0
14	6	18.2	11.5	25.2	16.6	28	18.7	35	27.4	45.0	35.3	56	51.0	63	57.9
16	7	20.8	12.5	28.8	17.9	32	20.2	40	29.5	51.2	37.7	64	53.6	72	60.8
18	8	23.4	13.5	32.4	19.2	36	21.7	45	31.6	58.0	40.1	72	56.2	81	63.7
20	9	26.0	14.5	36.0	20.5	40	28.0	50	38.6	64.0	42.5	80	58.8	90	72.0
22	10			39.6	21.8	44	30.0	55	40.9	70.4	51.0	88	66.6	99	75.2
24	11					48	32.0	60	43.2	77.0	53.5	96	69.4	108	78.4
26	12							65	45.5	83.2	56.0	104	72.2	117	81.6
28	13									89.6	58.5	112	75.0	126	84.8
30	14									96.0	61.0	120	77.8	135	88.0

XYL 系列带式压滤机
Series belt filter press



概述 INTRODUCTION

XYL 系列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。具有处理能力强,脱水率高,使用寿命长等特点,作为污水处理的配套设备,可将气浮处理后的悬浮物及沉渣压滤脱水,压成泥饼,达到防治二次污染的目的;该机还可以用于浆料浓缩、黑液的提取等工艺处理。



XYL series belt filter press is a dehydration equipment developed by digesting and absorbing foreign advanced technology. It has the characteristics of large processing capacity, high dehydration rate and long service life. As a supporting equipment for sewage treatment, it can filter and dehydrate suspended matter and sediment after air flotation treatment into a mud cake to achieve the purpose of preventing and controlling secondary pollution; The machine can also be used for processing such as slurry concentration and black liquor extraction.

型号 Model	处理能力 (m³/h) Processing capacity	电机功率 (kw) Motor Power	空压机动力 (kw) Air compressor power	带宽 (mm) Bandwidth	进料浓度 (%) Feed concentration	出料浓度 (%) Discharge concentration	长 (mm) length	宽 (mm) Width	高 (mm) Height
XYL500	0.5-4	0.75	1.1	500	2-5	20-30	4290	900	1840
XYL1000	3-6.5	1.5	2.2	1000	2-5	20-30	4790	1400	2040
XYL1500	4-9.5	1.5	3	1500	2-5	20-30	4790	1900	2040
XYL2000	5-13	2.2	4	2000	2-5	20-30	4790	2400	2040
XYL2500	7-15	4	5.5	2500	2-5	20-30	5300	2900	2250
XYL3000	8-20	5.5	5.5	3000	2-5	20-30	5300	3400	2250
XYL4000	12-30	7.5	7.5	4000	2-5	20-30	5800	4400	2250

XBK 板框式污泥压滤机

Plate and frame sludge filter press



概述 INTRODUCTION

板框式污泥压滤机是一种间歇性污泥脱水设备，是由滤板、滤框排列构成滤室，在输料泵的压力作用下，将料液送进各滤室，通过过滤介质，将固体和液体分离。广泛用于化工、染料、石油、陶瓷、制药、制糖、食品、淀粉、饴糖、油漆、冶金及各行各业的污水处理等。它具有分离效果好、适用范围广、操作简单、投资省等优点，特别是对粘细物料的分选，有着不可比拟的优越性。

The plate and frame sludge filter press is an intermittent sludge dewatering device. The filter chamber is composed of filter plates and filter frames. Under the pressure of the feed pump, the feed liquid is sent to each filter chamber through the filter. Media, separating solids and liquids. Widely used in chemical industry, dyes, petroleum, ceramics, pharmaceuticals, sugar, food, starch, caramel, paint, metallurgy and sewage treatment in various industries. It has the advantages of good separation effect, wide application range, simple operation, and low investment, especially for the separation of viscous materials, which has unparalleled advantages.

机械压紧板框压滤机技术参数 TECHNICAL PARAMETERS OF MECHANICAL COMPACTION PLATE AND FRAME FILTER PRESS

规格 specification	过滤面积 (m²) Filter area	框内尺寸 (mm) Frame size	滤饼厚度 (mm) Filter cake thickness	滤板数量 Number of filter plates	滤框数量 Number of filter frames	滤室容积 (L) Filter volume	外形尺寸 (mm) Appearance size	过滤压力 (kw) Filter pressure	电机功率 (kw) Motor Power
15/630	15	630×630	30	18	19	226	2820×1110×1190	0.6	2.2
30/630	30	630×630	30	37	38	452	3960×1110×1190	0.6	2.2
50/800	50	800×800	30	38	39	748	4615×1260×1350	0.6	3.0
80/800	80	800×800	30	62	63	1210	6295×1260×1350	0.6	3.0

机械压紧厢式压滤机技术参数 TECHNICAL PARAMETERS OF MECHANICAL COMPACTION CHAMBER FILTER PRESS

规格 specification	过滤面积 (m²) Filter area	框内尺寸 (mm) Frame size	滤饼厚度 (mm) Filter cake thickness	滤室容积 (L) Filter volume	滤板数量 Number of filter plates	外形尺寸 (mm) Appearance size	过滤压力 (kw) Filter pressure	电机功率 (kw) Motor Power
15/630	15	630×630	30	18	226	2700×1060×1150	0.6	2.2
50/800	50	800×800	30	38	748	3990×1270×1300	0.6	3.0
80/1000	80	1000×1000	30	46	1219	4760×1400×1400	0.6	3.0
120/1000	120	1000×1000	30	69	1816	6140×1400×1400	0.6	3.0

XDL 叠螺污泥脱水机

Stacked spiral sludge dewatering machine

产品特点 PRODUCTS FEATURES

- 1、不易堵塞，自我清洗功能。不需要为防止堵塞而进行清洗，减少冲洗用水量，减少内循环负担，擅长含油污泥的脱水。
- 2、操作简单，通过电控柜与化药机、输泥泵、加药泵、等进行联动，实现 24 小时连续无人运行，日常维护时间短，维护作业简单。
- 3、节约空间，设计紧凑，脱水机包含了电控柜，絮凝混合槽和脱水主体，占地空间小，便于维修及更换，重量小便于搬运安装。
- 4、节能降噪，螺旋轴的转速约 2—10 转 / 分，主电机功率小，耗电极低，故障少，噪音震动小，操作安全。
- 5、经久耐用，机体采用优化设计，国标不锈钢，能够最大限度延长使用寿命，更换部件只有螺旋轴和游动环，设备使用寿命长。



1. Not easy to block, self-cleaning function. No need to clean to prevent clogging, reduce flushing water consumption, reduce internal circulation burden, good at dehydration of oily sludge.
2. The operation is simple, through the electric control cabinet and chemical medicine machine, mud pump, medicine pump, etc. linkage, to achieve 24 hours of continuous unmanned operation, short daily maintenance time, simple maintenance operations.
3. Space-saving and compact design. The dehydration machine includes an electric control cabinet, flocculation mixing tank and dehydration main body. It occupies a small space, is easy to repair and replace, and has a small weight for easy installation.
4. Energy saving and noise reduction, the rotation speed of the spiral shaft is about 2-10 rpm, the main motor has low power, low power consumption, few faults, low noise and vibration, and safe operation.
5. Durable, the body adopts optimized design, national standard stainless steel, which can maximize the service life. The replacement parts are only the spiral shaft and the traveling ring, and the equipment has a long service life.

应用范围 APPLICATION RANGE

适用于市政污水、粮食加工、食品加工、化工、皮革、焊材、造纸、印染、制药等各行各业的污泥处理。适用于高、低浓度的污泥脱水，进行低浓度（2000mg/L 以上）污泥的脱水时，无需建设污泥浓缩池、储存池，降低建设成本、减少磷的释放和厌氧臭气的产生。

It is suitable for sludge treatment in municipal sewage, food processing, food processing, chemical industry, leather, welding materials, papermaking, printing and dyeing, pharmaceutical and other industries. When dewatering low concentration (above 2000mg/L) sludge, there is no need to build sludge concentration tanks, storage tanks, reduce construction costs, reduce phosphorus release and anaerobic ozone generation.

型号 Model	DS 标准处理量 (DS/h) DS standard throughput		污泥处理量 Sludge treatment capacity					
	低浓度 Low concentration	高浓度 High concentration	2000mg/L	5000mg/L	10000mg/L	20000mg/L	25000mg/L	50000mg/L
XDL131	~ 6 kg/h	~ 10 kg/h	~ 3 m³/h	~ 1.2 m³/h	~ 1 m³/h	~ 0.5 m³/h	~ 0.4 m³/h	~ 0.2 m³/h
XDL132	~ 12 kg/h	~ 20 kg/h	~ 6 m³/h	~ 2.4 m³/h	~ 2 m³/h	~ 1 m³/h	~ 0.8 m³/h	~ 0.4 m³/h
XDL201	~ 9 kg/h	~ 15 kg/h	~ 2 m³/h	~ 1 m³/h	~ 0.5 m³/h	~ 0.3 m³/h	~ 0.2 m³/h	~ 0.09 m³/h
XDL202	~ 18 kg/h	~ 30 kg/h	~ 9 m³/h	~ 3.6 m³/h	~ 3 m³/h	~ 1.5 m³/h	~ 1.2 m³/h	~ 0.6 m³/h
XDL301	~ 30 kg/h	~ 50 kg/h	~ 15 m³/h	~ 6 m³/h	~ 5 m³/h	~ 2.5 m³/h	~ 2 m³/h	~ 1 m³/h
XDL302	~ 60 kg/h	~ 100 kg/h	~ 30 m³/h	~ 12 m³/h	~ 10 m³/h	~ 5 m³/h	~ 4 m³/h	~ 2 m³/h
XDL401	~ 80 kg/h	~ 150 kg/h	~ 42 m³/h	~ 17 m³/h	~ 11 m³/h	~ 5.5 m³/h	~ 4.5 m³/h	~ 2.5 m³/h
XDL402	~ 160 kg/h	~ 300 kg/h	~ 85 m³/h	~ 34 m³/h	~ 22 m³/h	~ 12 m³/h	~ 9 m³/h	~ 4.5 m³/h
XDL403	~ 240 kg/h	~ 450 kg/h	~ 100 m³/h	~ 51 m³/h	~ 33 m³/h	~ 18 m³/h	~ 13.5 m³/h	~ 6.8 m³/h
XDL404	~ 320 kg/h	~ 600 kg/h	~ 120 m³/h	~ 68 m³/h	~ 44 m³/h	~ 24 m³/h	~ 18 m³/h	~ 9 m³/h

XSY 三腔自动加药装置

Three-cavity automatic medicine adding device



概述 INTRODUCTION

自动加药装置是专供投加水质稳定剂、混凝剂、消毒剂等多种性能的水处理药剂。本设备具有结构紧凑、安装操作方便、性能稳定等特点。且能耗小，耐腐蚀，低噪音。

The automatic dosing device is specially designed for adding water quality stabilizers, coagulants, disinfectants and other water treatment chemicals. This equipment has the characteristics of compact structure, convenient installation and operation, stable performance and so on. And low energy consumption, corrosion resistance and low noise.

产品特点 PRODUCTS FEATURES

1. 给水工程中混凝剂、助凝剂、消毒剂的溶解、搅拌及投加。
2. 各种酸碱溶液的配制及投加。
3. 软化、脱盐水处理中再生液的配制及投加。
4. 循环冷却水水质稳定剂的配制及投加。

1. Dissolve, stir and add coagulant, coagulant and disinfectant in water supply project.
2. Preparation and addition of various acid-base solutions.
3. Preparation and addition of regeneration liquid in softening and desalination treatment.
4. Preparation and addition of circulating cooling water quality stabilizers.

XYX 一体化加药机

Integrated dosing machine



The integrated dissolving and dosing device is an advanced dosing system that configures powdered medicament into a certain concentration of medicinal solution and accurately adds it to the dosing point. It is mainly used in water supply system, circulating water system, sludge dewatering system Preparation and addition of medium and high polymer solutions.

The powdered medicament in the hopper is sent to the mixer through the quantitative feeding device, and is completely mixed with water into the solution tank. The mixed liquid is stirred for many times to form a solution of uniform concentration, and finally enters the storage room and is fed by the metering pump Add to the dosing point.

概述 INTRODUCTION

一体化溶解加药装置是一种将粉末状药剂配置成一定浓度的药液并将其准确投加至加药点的先进加药系统，主要用于给水系统，循环水系统，污泥脱水系统中高分子聚合物溶液的制备与投加。料斗中的粉末状药剂经定量供料装置送入混合器中，与水进行完全混合进入溶液箱中，混合液经多次搅拌后形成均匀浓度的溶液，最后进入贮液室内，经计量泵投加至加药点。

RFS 系列二氧化氯发生器

Series chlorine dioxide generator



概述 INTRODUCTION

做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、无副产物的消毒才干和脱色、除臭、除异味等强氧化才干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比较二氧化氯有着独特的优势，它越来越成为业内人士的第一选择。

As 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, no residue, no by-product disinfection ability and decolorization, deodorization, and deodorization. Compared with traditional disinfectants such as ultraviolet ray, ozone, sodium hypochlorite and liquid chlorine, chlorine dioxide has unique advantages, and it has become the first choice of people in the industry.

CFS 系列臭氧发生器

Series Stinky Chlorine Generator



概述 INTRODUCTION

1. 设备由氧气发生器、臭氧发生器、高压电源、散热器、过滤器、消声器、单向阀、控制系统等部分组成。
2. 设备用氧气发生器产生的高浓度氧气为气源，通过高压变频放电产生臭氧，并利用臭氧的强氧化性进行杀菌消毒和降解农药。
3. 滤除空气中的有害物质，从而获取高纯度的氧气，并大大提高臭氧产量，纯度和效率。然后，形成具有杀菌能力和降解农药功能的高浓度臭氧水。

1. The equipment consists of oxygen generator, ozone generator, high-voltage power supply, cooling gas, filtered gas, muffler, one-way valve, control system and other parts.
2. The high-concentration oxygen produced by the equipment's oxygen generator is gas-liquid, and ozone is generated by high-voltage frequency conversion discharge, and the strong oxidation of ozone is used for sterilization, disinfection and degradation of pesticides.
3. Filter out harmful substances in the air to obtain high-purity oxygen, and greatly improve ozone production, purity and efficiency. Then, high-concentration ozone water with sterilization ability and pesticide degradation function is formed.

UV 系列紫外线消毒器

Series ultraviolet sterilizer



概述 INTRODUCTION

1. 紫外线消毒器能迅速有效地杀灭各种细菌、病毒等微生物；
2. 紫外线消毒器通过光解作用，能有效降解水中的氯化物；
3. 紫外线消毒器操作简单，维护方便；
4. 紫外线消毒器占地面积小，处理水量大；
5. 紫外线消毒器无污染，环保性强，不会产生毒副作用；
6. 紫外线消毒器投资成本低，运行费用低，设备安装方便。

- 1.UV Can quickly and effectively kill all kinds of bacteria, viruses and other microorganisms;
- 2.UV Through photolysis, it can effectively degrade chloride in water;
- 3.UV Simple operation and convenient maintenance;
4. UV Small footprint and large water treatment capacity;
5. UV No pollution, strong environmental protection, no toxic and side effects;
6. UV Low investment cost, low operating cost, and easy equipment installation.

XJY 全封闭式垃圾焚烧炉 Fully closed garbage incinerator



概述 INTRODUCTION

XJY 系列垃圾焚烧炉是诸城鑫基环保设备有限公司引进世界先进焚烧炉技术，并组织技术专家进行攻关，开发研制出的生活垃圾焚烧处理设备。该设备具有全封闭、体积小、焚烧效率高、工艺合理、技术领先、无害化程度高等特点，是各类医院、宾馆、车站、大型商业机构、企业、事业单位理想的垃圾处理设备。

XJY series waste incinerator is Zhucheng Xinjiye Environmental Protection Equipment Co., Ltd. Introduced the world's advanced incinerator technology, and organized technical experts to tackle the problem, and developed the domestic waste incineration treatment equipment. The equipment is fully enclosed, small in size, high incineration efficiency, reasonable technology, leading technology, and high degree of harmlessness. It is an ideal waste treatment equipment for various hospitals, hotels, stations, large commercial institutions, enterprises, and institutions.

燃烧方式 COMBUSTION METHOD



产品特点 PRODUCTS FEATURES

1. 采用气化焚烧技术，适用于焚烧注射器、点滴容器等生活器材以及各类纸质废材、绷带、脱脂棉、各种生活污水与医院、生活机构排出的各种废物。
2. 采用气化焚烧方式，每天产生的垃圾可一次焚烧处理。
3. 利用气化焚烧、混合焚烧、燃尽处理等技术，使排烟、烟尘含量等低于国家规定排放标准。
4. 采用全封闭运行，适用于处理感染性生活垃圾，避免二次污染。
5. 体积小，占地面积小。
6. 该系列焚烧炉以轻柴油为燃料，用户可根据需要采用不同类型。

1. Using gasification incineration technology, it is suitable for incineration of living equipment such as syringes and drip containers, as well as various types of paper waste materials, bandages, absorbent cotton, various domestic sewage and various wastes discharged from hospitals and living institutions.
2. The gasification incineration method is adopted, and the garbage generated every day can be incinerated at once.
3. The use of gasification incineration, mixed incineration, burn-out treatment and other technologies to make the exhaust smoke and dust content lower than the national emission standards.
4. Fully enclosed operation is adopted, which is suitable for treating infectious domestic waste and avoiding secondary pollution.
5. Small size and small footprint.
6. This series of incinerators use light diesel as fuel, and users can use different types according to their needs.



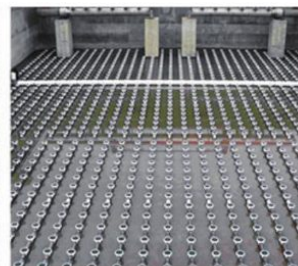
流程图 FLOW CHART



射流曝气机
Jet aerator



穿孔曝气机
Perforated aerator



盘式曝气器
Disc aerator



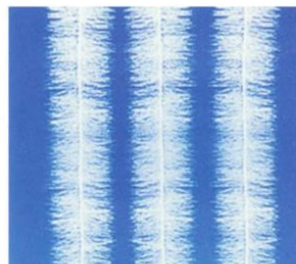
旋混式曝气器
Rotary mixing aerator



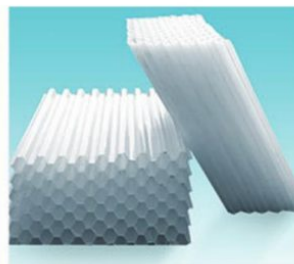
溶气释放器
Dissolved gas release



组合式填料
Combined packing



立体弹性填料
Three-dimensional elastic filler



斜管蜂窝填料
Inclined tube honeycomb packing



纤维球填料
Fiber ball filler



Start your product enquiry

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