



PORVOO

佛山市波尔沃环保科技有限公司

Foshan Porvoo Environmental Protection Technology Co., Ltd.

工业粉尘及污水治理，系统解决方案商及供应商

Industrial dust and sewage treatment, system
solutions and suppliers

中国 | 佛山
China, Foshan



ABOUT US

关于我们 ● ● ●

佛山市波尔沃环保科技有限公司是一家专业从事环保设备之设计、生产、安装与销售一体的新型科技公司。公司秉承自主研发与产品制造精益求精，追求卓越品质和服务质量，切实地为广大生产企业解决生产过程中所带来的环境问题，推动节能环保，为企业健康发展贡献力量。

公司致力于工业粉尘处理及工业污水处理两大系统，专业生产脉冲布袋除尘器、陶瓷过滤机、带式压滤机等环保设备，以及整套系统的设计、配套设备的选型、管路设计及安装。脉冲布袋除尘器应用在陶瓷行业干式磨边、压机粉尘处理上，国内外已有 100 多个工程案例。全自动塔式污水处理系统于工业污水处理中属于目前世界上最先进的系统，污水净化、循环利用的高科技环保节能产品。全系统采用自动化智能控制、维护人员少、劳动强度低。系统集成沉淀、浓缩、压滤除渣于一体，功能齐全、工艺先进、处理效果好、处理结果达到环保标准。

专业化的产品及完善的技术服务体系，以技术创新、稳健发展为经营理念，倡导以工匠精神制造产品，诚信、务实、以正立德，真诚服务于企业、客户、供应商，回馈于社会。



PRODUCT LIST

产品目录

Foshan Porvoo Environmental Protection Technology Co., Ltd. is one one new technology company which is professionally engaged in environmental protection equipments' design, manufacturing, installation and sales. The company adheres to the independent research and development and product manufacturing excellence, the pursuit of excellent quality and service quality, and effectively solve the environmental problems brought about by the production process for the majority of production enterprises, promote energy conservation and environmental protection, and contribute to the healthy development of the company.

The company is committed to industrial dust treatment and industrial sewage treatment two systems, specializing in the production of pulse bag dust collector, ceramic disk vacuum filter, belt press filter and other environmental protection equipment, as well as the design of the entire system, the selection of supporting equipment, pipeline design and installation. Pulse bag dust collector is applied in the ceramic industry for dry squaring and press machine' s dust treatment. And there are more than 100 engineering cases at home and abroad. The fully automatic tower sewage treatment system belongs to the world's most advanced system in industrial waste water treatment, and is a high-tech environmental protection and energy-saving product for sewage purification and recycling. The whole system adopts automatic intelligent control, with fewer maintenance personnel and low labor intensity. The system integrates sedimentation, concentration, pressure filtration and slag removal, with complete functions, advanced technology, good treatment effect, and the treatment results reach environmental protection standards.

Specialized products and perfect technical service system, with technological innovation and steady development as the business philosophy, advocate the manufacture of products with the spirit of artisans, integrity, pragmatism, and integrity, sincere service to enterprises, customers and suppliers, and feedback to society .

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智能污水处理循环利用系统

INTELLIGENT SEWAGE TREATMENT RECYCLING SYSTEM



系统介绍

SYSTEM INTRODUCTION

塔式污水处理系统是专为陶瓷行业设计和制造的污水净化、循环利用的高科技环保节能产品。该系统是采用自主创新技术、摒弃传统池式沉淀处理法不足的基础上独家设计而成的。系统采用竖式沉淀塔，因而又称塔式沉淀除渣系统。

Tower sewage treatment system is a high-tech environment-friendly energy-saving product designed and manufactured for the ceramic industry for sewage purification and recycling. The system is exclusively designed on the basis of adopting independent innovation technology and abandoning the shortcomings of the traditional pool-type sedimentation treatment method. The system uses vertical setting tower, so it is also called tower setting and deslagging system.

该系统因具有组合方式灵活、占地面积小、循环水净化程度高、处理量大等特点，已日益为石材和陶瓷企业所接受。

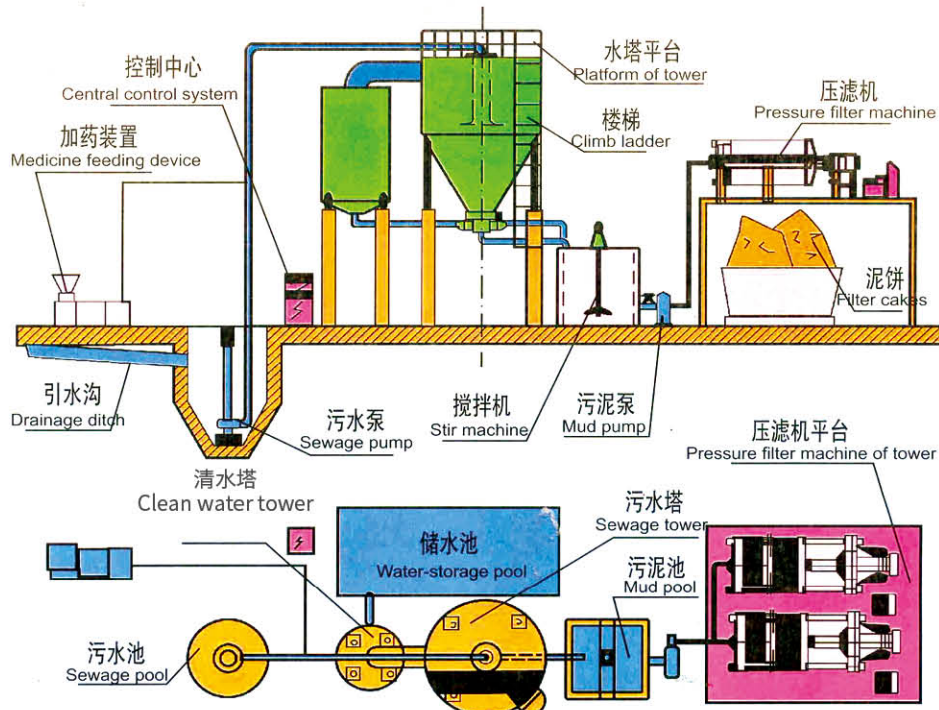
The system has been increasingly accepted by stone and ceramic enterprises due to its flexible combination, small floor area, high purification degree of circulating water and large processing capacity

全系统采用自动化智能控制，维护人员少、劳动强度低。采用封闭式管道连接，确保场地环境整洁，适用于各类规模的相关企业。系统集沉淀、浓缩、压滤除渣于一体，功能齐全、工艺先进、处理效果好，是石材厂和陶瓷厂的首选产品。

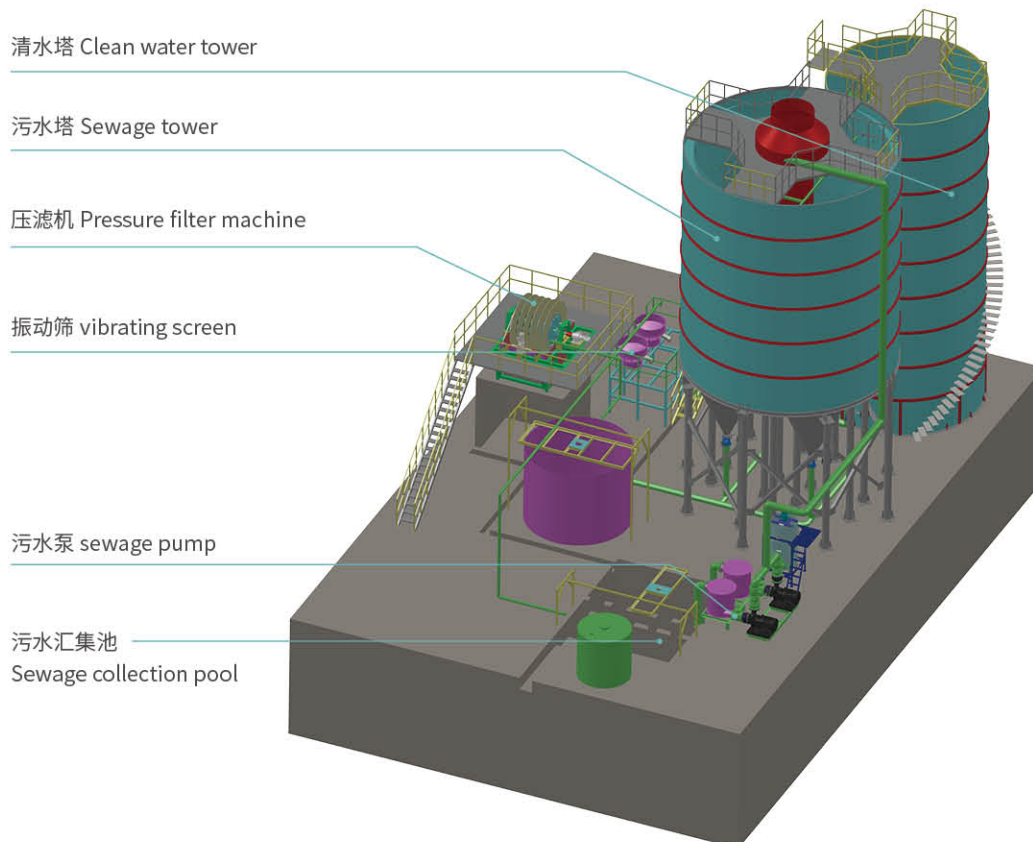
The whole system adopts automatic intelligent control, with less maintenance personnel and low labor intensity. The use of closed pipeline connection ensures a clean and tidy site environment and is suitable for enterprises of all sizes. The system integrates sedimentation, concentration, filter pressing and deslagging, has complete functions, advanced technology and good treatment effect, and is the preferred product for stone and ceramic factories.

原理及工艺流程

PRINCIPLE AND PROCESS FLOW



系统外形示意图 The sketch of systemic shape



智能污水处理循环利用系统

INTELLIGENT SEWAGE TREATMENT RECYCLING SYSTEM

01 污水输送系统

SEWAGE DELIVERY SYSTEM

大颗粒沉沙

LARGE PARTICLE SAND SETTLING



方形振筛机
SQUARE VIBRATING SCREEN MACHINE



圆形振筛机
CIRCULAR VIBRATING SCREEN MACHINE



螺旋式抽沙机
SPIRAL SAND EXTRACTOR

大颗粒沉沙系统由1级或多级沉沙池，除沙机组成，进入启动界面后可进行参数设定和手动操作，参数具体设定根据现场污水量及实际需要处理大颗粒量设定。进入手动操作界面可单独控制渣浆泵及振筛机的启停，振筛机与渣浆泵联动，与渣浆泵启停同步。

The large particle sand settling system is composed of 1-stage or multi-stage sand settling tank, sand remover, After entering the startup interface, parameter setting and manual operation can be performed. The specific parameter setting is based on the amount of sewage on site and the actual needs to deal with large particles volume setting. Entering the manual operation interface can independently control the start and stop of the slurry pump and the vibrating screen machine. The vibrating screen machine is linked with the slurry pump and synchronized with the start and stop of the slurry pump.

方形振筛机技术参数 TECHNICAL PARAMETERS OF SQUARE VIBRATING SCREEN MACHINE

型号 Type(mm)	820	920	1020	1225	1530
筛面面积 Area(m ²)	1.5	1.8	2	3	4.5
外型尺寸 Size(mm)	2300x1000x750	2300x1200x750	2300x1300x750	2300x1500x750	2300x1800x750
处理能力 Capacity(m ³ /h)	5-10	10-20	20-30	50-80	100-120
重量 Weight(T)	0.8	1.2	1.6	2.1	3.2
最大入料粒度 Maximum feed particle size(mm)	< 10	< 10	< 10	< 10	< 10
单位功率 Unit power(kW)	0.75	1.1	1.5	2.2	3

圆形振筛机技术参数 CIRCULAR VIBRATING SCREEN MACHINE TECHNICAL PARAMETER

型号 Type(mm)	600	800	1000	1200	1500	1800	2000	2500
筛面面积 Area(m ²)	0.23	0.46	0.68	0.95	1.54	2.41	2.95	4.34
筛网规格 Size	2-400 目 (mesh)							
振动次数 Vibration times(rpm)	1500	1500	1500	1500	1500	1500	1500	1500
振幅 Amplitude(mm)	1-10							
最大入料粒度 Maximum feed particle size(mm)	< 20	< 30	< 30	< 30	< 50	< 50	< 60	< 60
功率 Power(kW)	0.37	0.55	0.75	1.1	1.5	2.2	3	3

螺旋式抽沙机 SPIRAL SAND EXTRACTOR TECHNICAL PARAMETER

型号 Type(mm)	12	14	16	18	20	28
外径 Outer diameter(mm)	121	140	165	180	219	273
输送量 Delivery volume(m ³ /h)	0.5-0.8	0.8-1	1-2	2-4	3-6	8-12
功率 Power (kw)	2.2	2.2	3	3	3	4

所有技术参数为参考数据，可根据不同物料情况改变参数，具体规格性能可根据需求定制

All technical parameters are reference data, parameters can be changed according to different material conditions, specific specifications and performance can be customized according to demand

管泵组

TUBE PUMP SET

采用国际知名品牌污水泵，输送稳定、耐用。

Adopt international well-known brand sewage pump, stable and durable transportation.



在机械结构、接线、密封、保护、控制等方面进行了综合性优化设计，使得具有更高的配置，更优的水力性能，更强的通用性，更好的可靠性。

Comprehensive optimization design has been carried out in the aspects of mechanical structure, wiring, sealing, protection, control, etc., so that it has higher configuration, better hydraulic performance, stronger versatility, and better reliability.

技术参数

TECHNICAL PARAMETER

型号 Type	流量 Capacity		扬程 Head (m)	转速 Speed(r/min)	效率 Efficiency(%)	电机功率 Power(kW)	必需汽蚀余量 (NPSH)r(m)	重量 Weight (kg)
	(m ³ /h)	(l/s)						
50KQL/W11-10-0.75/2	8	2.22	11	2960	66	0.75	2.3	38
	11	3.05	10					
	13.2	3.67	9					
50KQL/W12.5-12.5-1.1/2	8.8	2.44	13.6	2960	66.2	1.1	2.3	40
	12.5	3.47	12.5					
	15	4.17	11.3					
50KQL/W11-16-1.1/2	8	2.22	17	2960	61	1.1	2.3	40
	11	3.05	16					
	13.2	3.67	14					
50KQL/W12.5-20-1.5/2	8.8	2.44	21.5	2960	62.1	1.5	2.3	48
	12.5	3.47	20					
	15	4.17	17.8					
50KQL/W10-27-1.5/2	7.0	1.94	28.35	2960	55	1.5	2.3	51
	10	2.78	27					
	11.0	3.06	26.2					
50KQL/W12.5-32-2.2/2	8.8	2.43	33.6	2960	56	2.2	2.3	59
	12.5	3.47	32					
	13.8	3.82	30					
50KQL/W10-36-3/2	7.3	2.02	38	2960	48	3	2.3	65
	10.4	2.89	36					
	12.5	3.47	33					
50KQL/W12-44-4/2	8.3	2.31	45.8	2960	49	4	2.3	80
	11.7	3.25	44					
	14.0	3.89	42					
50KQL/W12.5-50-5.5/2	8.8	2.43	52	2960	49.5	5.5	2.3	105
	12.5	3.47	50					
	15.0	4.17	48					

02 固液分离

SOLID-LIQUID SEPARATION



系统介绍 SYSTEM IS INTRODUCED

固液分离系统由沉淀塔，排泥装置，清水溢流管组成。

The solid-liquid separation system consists of a sedimentation tower, a sludge discharge device, and a clean water overflow pipe.

排泥装置：将各个沉淀塔塔底的污泥经由排泥管道集中排放到一个泥浆池里，池里的泥浆再抽到压滤机里作进一步的处理。

Sludge discharge device: The sludge at the bottom of each edimentation tower is discharged into a mud pool through the mud discharge pipeline, and the mud in the pool is pumped to the filter press for further treatment.

排泥工作可以选择“自动”或“手动”的模式进行。

The mud removal work can be carried out in the "automatic" or "manual" mode.

技术参数 TECHNICAL PARAMETER

型号 Type	处理量 Processing capacity (m ³ /h)	设备选型 Equipment selection	
		污水塔 Sewage tower (m)	清水塔 Clear water tower (m)
PST100	50-100	Φ5x10	Φ4x8
PST200	150-200	Φ6x13.5	Φ5x10
PST300	250-300	Φ7x15.7	Φ6x13.5
PST400	350-400	Φ8x15.7	Φ6x13.5
PST500	450-500	Φ9x15.7	Φ7x13.5
PST600	550-600	Φ10x13.5	Φ8x12
PST700	650-700	Φ10x15.7	Φ8x13.5
PST800	750-850	Φ11x15.7	Φ11x13.5
PST1000	900-1000	Φ12x15.7	Φ11x13.5

03 自动加药机系列

AUTOMATIC DOSING MACHINE SERIES



三腔式自动加药装置是一个自动、连续式的絮凝剂溶配装置，配制溶液浓度为 0.1% -0.3%。配制槽和熟化槽均设置搅拌器，充分保证絮凝剂的稀释和熟化。另外，储存槽溶液不足时会触及下液位报警系统，所有系统均停止并报警。本装置是由具有自动化程度高、性能稳定、工作可靠操作简单等特点。

The three-chamber automatic dosing device is an automatic and continuous flocculant dissolving device, and the concentration of the prepared solution is 0.1%-0.3%. Both the preparation tank and the curing tank are equipped with agitators to fully ensure the dilution and curing of the flocculant. In addition, when the solution in the storage tank is insufficient, the lower liquid level alarm system will be touched, and all systems will stop and alarm. The device is characterized by high degree of automation, stable performance, reliable operation and simple operation.



PAM 加药装置由溶解箱、若干管道、阀门等组成。配置计量泵分为使用 and 备用的，这样方便用户在不停机的状态下进行检修、更换配件。

本装置主要部件有：药剂储存罐、溶解箱、搅拌机、计量泵、管道过滤器、回流管道及吸药管道及吸药管道，出药管道、溶解箱溢流管、放空管及必要的管道阀门和配件、安全所需的管件及阀门。

The PAM dosing device consists of a dissolving tank, several pipes, valves, etc. The configuration metering pump is divided into use and standby, which is convenient for users to repair and replace parts without stopping.

The main components of the device are: drug storage tank, dissolution tank, mixer, metering pump, pipeline filter, return pipeline, drug suction pipeline and drug suction pipeline, drug discharge pipeline, dissolution tank overflow pipe, vent pipe and necessary pipelines Valves and fittings, fittings and valves for safety.



PAC 絮凝剂自动溶配加药装置是一个智能化、全自动、连续式一体化的絮凝剂溶配及投药装置。

本装置由供水系统、干粉投加系统、溶解熟化系统、控制系统、液体投加系统构成。

絮凝剂自动溶配加药装置由以下几部分组成：1. 供水系统 2. 干粉投加系统 3. 干粉预混系统 4. 一体化三槽式组合箱体

PAC flocculant automatic dissolving and dosing device is an intelligent, fully automatic, continuous and integrated flocculant dissolving and dosing device.

The device consists of a water supply system, a dry powder dosing system, a dissolving and curing system, a control system, and a liquid dosing system.

The flocculant automatic dissolving and dosing device consists of the following parts: 1. Water supply system 2. Dry powder dosing system 3. Dry powder premixing system 4. Integrated three-tank combined box

04 药剂 MEDICINE



PAC 药剂：聚合氯化铝

PAC Medicine: polyaluminum chloride

常用名 Common name	聚合氯化铝
英文名 English name	Polyaluminum chloride
CAS 号 CAS number	101707-17-9
分子量 Molecular weight	174.45300
密度 Density	N/A
沸点 Boiling point	N/A
分子式 Molecular formula	$Al_2ClH_5O_5$
熔点 Melting point	N/A
MSDS	N/A
闪点 Flash point	N/A



PAM 药剂：聚丙烯酰胺

PAM medicine: polyacrylamide

常用名 Common name	聚丙烯酰胺
英文名 English name	Polyacrylamide
CAS 号 CAS number	25085-02-3
分子量 Molecular weight	173.210
密度 Density	$1.1 \pm 0.1 g/cm^3$
沸点 Boiling point	$395.0 \pm 25.0^\circ C$ at 760mmHg
分子式 Molecular formula	$C_8H_{15}NO_3$
熔点 Melting point	N/A
MSDS	N/A
闪点 Flash point	$192.7 \pm 23.2^\circ C$

PAC 的作用 THE ROLE OF PAC

通过它或者它的水解产物的压缩双电层、电性中和、卷带网捕以及吸附桥连等四个方面的作用，能将被污水里的杂质、微粒等物，氧化而形成 COD 的颗粒物质，沉淀下来被过滤掉。

through its four functions of compressed electric double layer, electrical neutralization, tape net capture and adsorption bridging of its hydrolyzate, it can oxidize impurities, particles and other substances in sewage. The particulate matter that forms COD is precipitated and filtered out.

PAC: 橡胶药罐，带搅拌。将药剂按 5% 配比加入药桶搅拌均匀，按照污水量 0.02%-0.05% 配比投放到污水汇集池前端。

PAC: Rubber medicine jar with agitation. Add the medicine into the medicine bucket according to the proportion of 5%, stir evenly, and put it into the front end of the sewage collection tank according to the proportion of 0.02%-0.05% of the sewage volume.

PAM 的作用 THE ROLE OF PAM

PAM 是一种有机高分子絮凝剂，高分子絮凝剂具有在颗粒间形成更大的絮体，从而产生巨大的表面吸附作用，使水中的微粒和杂质形成较大的颗粒，在重力的作用下沉淀下来。

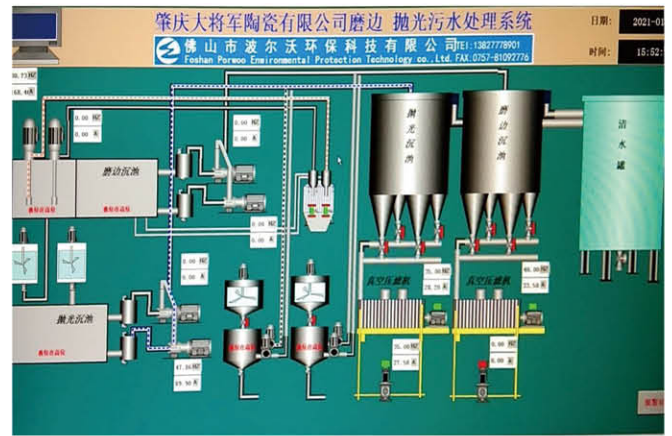
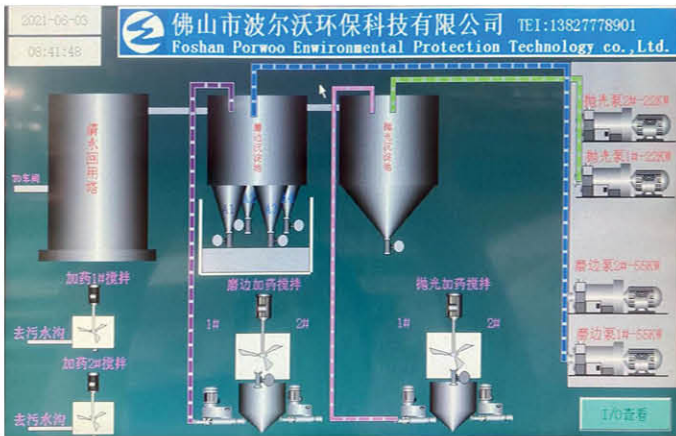
PAM is an organic polymer flocculant. The polymer flocculant has the ability to form larger flocs between the particles, thereby generating a huge surface adsorption effect, so that the particles and impurities in the water form larger particles, which settles down under the action of gravity.

PAM: 按 0.1% 浓度配比加入加药机，按照污水量 0.05%-0.08% 投放到污水处理塔。

PAM: add the dosing machine according to the 0.1% concentration ratio, and put it into the sewage treatment tower according to the sewage amount of 0.05%-0.08%.

05 工业 4.0 智能控制

INDUSTRY 4.0 INTELLIGENT CONTROL



主要功能 MAIN FUNCTIONS

预留通讯接口，数据可上传至中央数据库；

Reserved communication interface, data can be uploaded to the central database;

对用电量、循环水供水量、进行实时跟踪上传至手机 APP 和中央数据库；

Real-time tracking of electricity consumption, circulating water supply, and uploading to the mobile APP and central database;

对监测的相关数据在本地和远程都可以调取和查找历史记录；

The relevant monitoring data can be retrieved and searched for historical records both locally and remotely;

水泵运行数据保存，部分水泵运行频率的设定可以远程监控；

The pump operation data is saved, and the setting of the operation frequency of some pumps can be monitored remotely;

报警信息的历史记录查询，实时的报警显示；

Historical record query of alarm information, real-time alarm display;

污水站的视频监控系统，分区域显示，手机终端 APP 显示监视系统的画面；

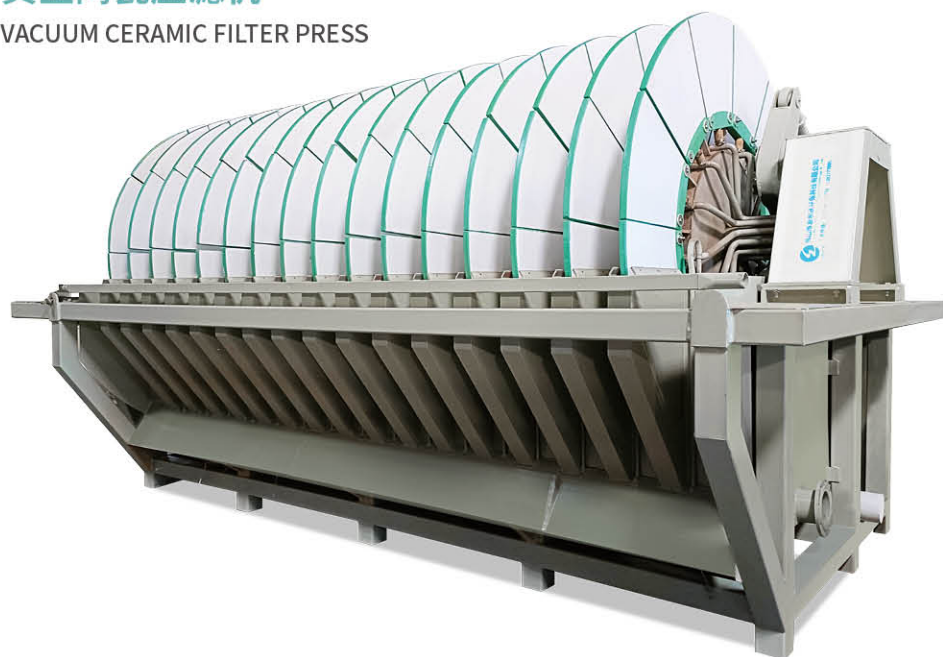
The video monitoring system of the sewage station is displayed in different areas, and the mobile terminal APP displays the screen of the monitoring system;

总控制系统自动生成时报、日报、旬报、月报、年报等阶段性的报表，包括（能源、化工耗用、故障等报表）。

The total control system automatically generates periodic reports such as daily reports, daily reports, ten-day reports, monthly reports, and annual reports, including (energy, chemical consumption, failure reports, etc.).

真空陶瓷压滤机

VACUUM CERAMIC FILTER PRESS



产品简介 PRODUCT INTRODUCTION

陶瓷过滤机是当今世界先进的固液分离设备，其核心部件陶瓷过滤板由芬兰奥托昆普公司研制成功，陶瓷过滤板孔径通常为 1—5 微米（最常用的为 1.5—2.0 微米），这样的微孔能产生强烈的毛细作用，盘式过滤机工作时，在真空泵的作用下，只有液体通过微孔成为滤液，而固体和气体被阻隔在滤板表面成为滤饼，实现了固液分离。

陶瓷过滤机可广泛用于砂石骨料、煤炭、石材、陶瓷、有色金属矿山等行业的脱水处理，应用领域广泛。

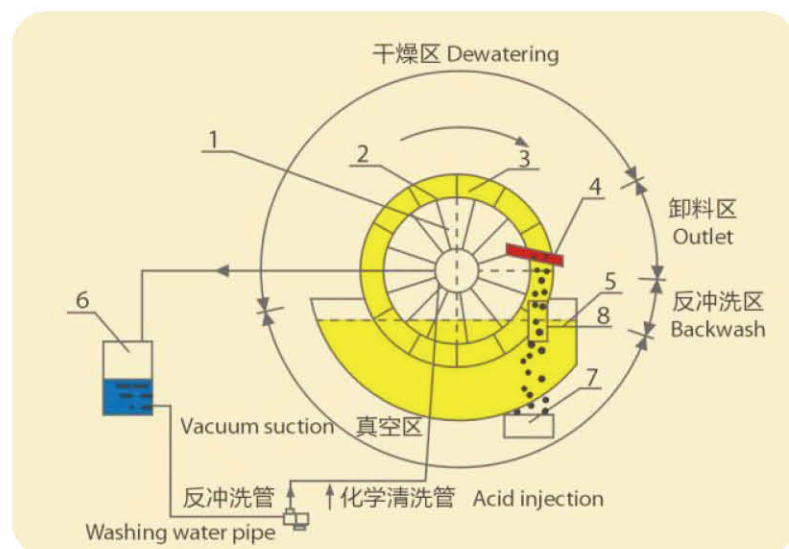
Ceramic filter is an advanced solid-liquid separation equipment in the world. Its core component, ceramic filter plate, was successfully developed by Otto Kunpu Company of Finland. The aperture of ceramic filter plate is usually 1-5 microns (the most commonly used is 1.5-2.0 microns). Such micropores can produce strong capillary action. When disc filter works, only liquid becomes filtrate through micropores under the action of vacuum pump, while solid and gas are blocked on the surface of filter plate to become filter cake, thus realizing solid-liquid separation.

The ceramic filter can be widely used for dewatering sand and gravel aggregates, coal, stone, ceramics, non-ferrous metal mines and other industries, and has a wide range of applications.

技术参数 TECHNICAL PARAMETER

型号 Type	POR-10	POR-12	POR-15	POR-20	POR-30	POR-40	POR-50	POR-60	POR-80	POR-100	POR-120
过滤面积 Filter area (m ²)	10	12	15	20	30	40	50	60	80	100	120
5# 陶板数量 5# Ceramic plate quantity	24	30	36	48	72	96	120	144	192	216	240
主轴电机功率 Spindle motor power(kw)	1.5	1.5	1.5	1.5	2.2	3	3	5.5	5.5	7.5	7.5
搅拌电机功率 Stirring motor power(kw)	2.2	2.2	2.2	2.2	3	4	4	5.5	7.5	11	11
真空泵功率 Vacuum pump power(kw)	3.85	3.85	3.85	3.85	5.5	7.5	7.5	7.5	7.5	7.5	11
处理量 Processing capacity	1-2.5t/h	1-3t/h	1.5-4t/h	2-5t/h	5-8t/h	5-10t/h	6-12t/h	8-15t/h	10-20t/h	12-25t/h	15-30t/h
出料泥渣水分 Discharge sludge moisture	< 30%	< 30%	< 30%	< 30%	< 30%	< 30%	< 30%	< 30%	< 30%	< 30%	< 30%
重量 Weight(t)	2.8	3.5	4.2	5.6	6	6.4	6.8	7	7.2	9	10.8
长 Length(mm)	2320	2420	2570	2820	3260	4000	4850	5000	5780	6280	6780
宽 Width(mm)	2700	2700	2700	2700	2940	3000	3000	3000	3000	3000	3000
高 High(mm)	2780	2780	2780	2780	2870	2780	2780	2910	2910	2910	2910

示意图 SCHEMATIC DIAGRAM



- | | |
|---------|--------------------|
| ① 转子 | Rotor |
| ② 滤室 | Filter room |
| ③ 陶瓷板 | Ceramic plate |
| ④ 滤饼 | Filter cake |
| ⑤ 料浆槽 | Material pulp tank |
| ⑥ 真空桶 | Vacuum barrel |
| ⑦ 皮带输送机 | Belt conveyor |
| ⑧ 超声装置 | Ultrasound device |

节能高效

ENERGY SAVING AND HIGH EFFICIENCY

处理能力大，节能效果明显。

The processing capacity is large, and the energy-saving effect is obvious.

自动控制

AUTOMATIC CONTROL

采用 PLC 程序自动控制、自动进料、自动清洗，减免系统操作人工成本。

It adopts PLC program for automatic control, automatic feeding and automatic cleaning, which reduces the labor cost of system operation.

完善的自动保护功能

PERFECT AUTOMATIC PROTECTION FUNCTION

具有故障自动报警系统、故障的屏幕显示功能、高低液位报警显示，并自动排除或关机人工处理。

It has an automatic fault alarm system, fault screen display function, high and low liquid level alarm display, and automatic troubleshooting or shutdown manual processing.

结构牢固、经久耐用

STRONG STRUCTURE, DURABLE

结构合理，工作可靠，主要传动部件采用免维护设计，槽体内采用不锈钢结构，保证其使用寿命可达 10 年以上。

The structure is reasonable, the work is reliable, the main transmission parts adopt the maintenance-free design, and the tank body adopts the stainless steel structure to ensure that its service life can reach more than 10 years.

滤饼超干，降低运输成本

THE FILTER CAKE IS SUPER DRY, REDUCING TRANSPORTATION COSTS

过滤脱水后的物料水份很低，可大大降低运输成本及损耗。

The moisture content of the material after filtration and dehydration is very low, which can greatly reduce the transportation cost and loss.

环保效果明显

OBVIOUS ENVIRONMENTAL PROTECTION EFFECT

由于滤液清澈，可反复利用，减少排放，符合当前清洁生产的环保大趋势。

Because the filtrate is clear, it can be reused, reducing emissions, in line with the current environmental protection trend of cleaner production.

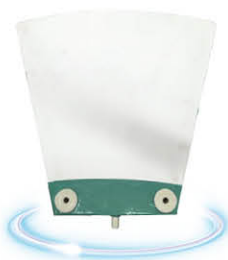
陶瓷过滤机配件

CERAMIC FILTER ACCESSORIES

陶瓷过滤板 CERAMIC FILTER PLATE



2/12m²



3/12m²



4/12m²



5/12m²

规格 Size	2m ² /12	3m ² /12	4m ² /12	5m ² /12	6m ² /12
外型尺寸 Overall Size	L1=225	L1=295	L1=338	L1=300	L1=294
	L2=165	L2=239	L2=276	L2=240	L2=235
	L3=380	L3=485	L3=555	L3=568	L3=603
	B=320	B=395	B=441	B=550	B=619
	C=25	C=25-30	C=30	C=30	C=32

陶瓷刮刀 CERAMIC SCRAPER



L=255



L=475



L=325



L=525

规格 Size	外型尺寸 Overall Size							
	L1	L2	L3	B2	C	D	E	F
225	225	244	215	72	12	140	13	20
325	325	320	267	72	12	120	13	20
375	375	360	330	72	12	120	13	20
475	475	460	440	72	12	145	13	20
525	525	510	480	72	12	180	13	20

陶瓷摩擦圈系列 CERAMIC FRICTION RING SERIES



200



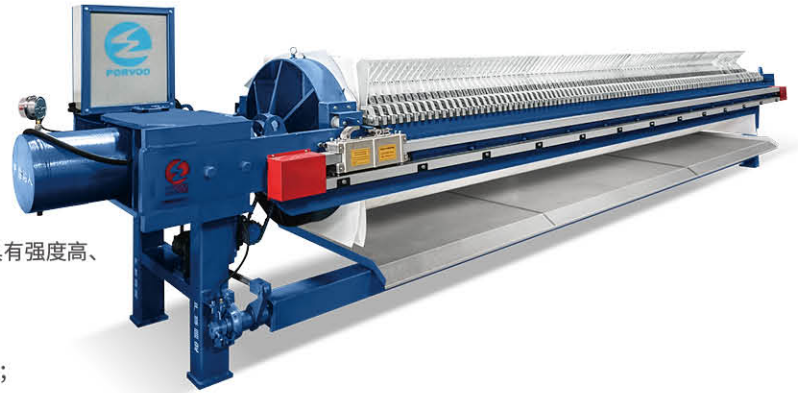
260



300

板框压滤机

PLATE AND FRAME FILTER PRESS



采用液压油缸做为压紧、松开过滤板的驱动装置；
自动保压装置令操作更简单，确保操作人员生产安全；
规律版选用全新原料及配方，高压压铸一次成型，二次加工，具有强度高、重量轻、耐腐蚀、抗冲击的使用特性；
机架采用国际板材全角焊接制造而成，结构合理，坚固耐用；
主梁全覆盖 304 不锈钢，整机表面防腐蚀处理，延长使用寿命；
采用 PLC 程序控制（选配）机电液一体化程控结构，节省空间，外形美观。

The hydraulic cylinder is used as the driving device for pressing and loosening the filter plate;
The automatic pressure maintaining device is easier to operate and ensures the safety of the operator;
The product adopts new raw materials and formulas, high-pressure die-casting for one-time molding, and secondary processing, which has the characteristics of high strength, light weight, corrosion resistance and impact resistance;
The frame is made of full-width welding of international plates, with reasonable structure, strong and durable;
The main beam is fully covered with 304 stainless steel, and the surface of the whole machine is treated with anti-corrosion to prolong the service life;
It adopts PLC program control (optional) electromechanical-hydraulic integrated program control structure, which saves space and has beautiful appearance.

技术参数 TECHNICAL PARAMETER

过滤面积 Filter area (m ²)	滤板尺寸 Plate size (mm)	滤板厚度 Filter plate thickness (mm)	滤室数量 (个)Filter chambers Number	滤饼厚度 Filter cake thickness (mm)	理论容积 Totd Volume(L)	地脚中心距 The center distance (mm)	过滤压力 Working pressure (Mpa)	电机功率 Motor Power (kW)	整体外形尺寸 External Dimensions 长 x 宽 x 高 (mm)	整机重量 Machine Weight (kg)
TYPE 630 过滤温度 Filtration temperature(-5-100° C)										
8	600x600	50	13	25	100	1520	≤ 1.0	2.2	2010x830x1610	1150
10			17		125	1670			2160x830x1610	1200
12			19		150	1820			2310x830x1610	1250
16			26		200	2170			2660x830x1610	1330
20			32		250	2470			3960x830x1610	1410
25			40		313	2870			3360x830x1610	1540
30			48		375	3270			3760x830x1610	1670
TYPE 800 过滤温度 Filtration temperature(-5-100° C)										
20	800x800	60	20	32	320	2260	≤ 1.0	2.2	2850x1100x1670	2200
30			30		480	2860			3450x1100x1670	2500
40			40		640	3460			4050x1100x1670	2850
50			50		800	4060			4650x1100x1670	3150
60			60		960	4660			5250x1100x1670	3500
70			70		1120	5310			5900x1100x1670	3950
80			80		1280	5910			6500x1100x1670	4300
TYPE 1000 过滤温度 Filtration temperature(-5-100° C)										
60	1000x1000	60	36	30	900	3240	≤ 1.0	4	4030x1300x1830	4000
70			42		1050	3600			4390x1300x1830	4300
80			48		1200	3960			4750x1300x1830	4700
90			54		1350	4320			5110x1300x1830	5000
100			60		1500	4730			5520x1300x1830	5300
120			72		1800	5450			6240x1300x1830	5800
TYPE 1250 过滤温度 Filtration temperature(-5-100° C)										
120	1250x1250	60	46	30	1800	4260	≤ 1.0	4	5380x1620x2030	7300
140			54		2100	4740			5860x1620x2030	8000
160			62		2400	5220			6340x1620x2030	8700
180			70		2700	5700			6820x1620x2030	9400
200			76		3000	6060			7180x1620x2030	9900
220			83		3300	6540			7660x1620x2030	10400
250			95		3750	7260			8380x1620x2030	11400
TYPE 1600 过滤温度 Filtration temperature(-5-100° C)										
315	1600x1600	70	75	30	4725	7050	≤ 1.0	4	8400x2130x2100	19550
340			81		5100	7500			8800x720x1600	20400
400			95		6000	8500			9800x720x1600	22700
450			107		6750	9350			10700x720x1600	24500
500			119		7500	10200			11500x720x1600	26400
560			133		8400	11200			12500x720x1600	28500

压滤机系列

FILTER PRESS SERIES

带式压滤机

BELT FILER PRESS



产品简介 PRODUCT INTRODUCTION

带式压滤机是通过机器上网带之间的物理挤压对泥浆进行脱水的环保设备，污泥首先与絮凝剂进行混合反应并絮凝成团，然后经过预脱水区→浓缩脱水区→低压排水区→S型挤压区→高压区，使污泥水份逐步通过网带之间的挤压力透过网带排出，最后形成泥饼排出。

Belt filter press is an environmental protection device that dewateres mud through physical extrusion between belt belts on the machine. Sludge is mixed with flocculant to react and flocculate into lumps, and then passes through pre-dewatering area → concentration dewatering area → low pressure drainage area → S-shaped extrusion area → high pressure area so that sludge moisture is gradually discharged through the belt through the extrusion force between belt belts and finally discharged into mud cake.

适用范围 SCOPE OF APPLICATION

陶瓷、冶金矿厂、洗煤、纺织印染、市政污水、造纸、石油化工、皮革、酿造、食品加工、化学、制药、电镀等行业。

Ceramics, metallurgical mines, coal washing, textile printing and dyeing, municipal sewage, paper making, petrochemical, leather, brewing, food processing, chemistry, pharmacy, electroplating and other industries.

技术参数 TECHNICAL PARAMETER

型号 Model	滤带宽度 (mm) Belt width(mm)	处理量 (m³/h) Throughput(m³/h)	浓缩机功率 (kW) Concentrator power(kW)	主机 (kW) Host computer(kW)	外形尺寸 (mm) Dimensions(mm)	重量 (t) Weight(t)
KN1000	1000	8-15	1.1	3	4700x1600x2180	3
KN1500	1500	15-25	1.1	4	5800x2150x2350	4.5
KN2000	2000	20-35	1.5	5.5	5800x2650x2580	6.8
KN2500	2500	25-40	2.2	5.5	6700x3200x2850	10
KN3000	3000	35-55	2.2	7.5	6700x3700x2850	12.5
KS2500	2500	35-50	2.2	7.5	13000x3200x2850	12
KS3000	3000	45-65	3	11	13000x3700x2850	15

隔膜式压滤机

DIAPHRAGM FILTER PRESS



高效隔膜压滤机采取低压过滤，二次高压压榨方式，大大缩短整个过滤周期，提高产能；
最大过滤压力可达到 2.5Mp，大大降低含水率，节省烘干成本，提高收得率；
隔膜压榨功能，在极短的时间完成这一段过程，节省了功率消耗；
隔膜滤板具有抗疲劳、抗老化、密封性能好，抗腐蚀能力强等特性，基本适用于所有固液分离作业；
可配 PLC 程序控制及智能化人机界面控制，减少人力消耗。

The high-efficiency membrane filter press adopts low-pressure filtration and secondary high-pressure squeezing methods, which greatly shortens the entire filtration cycle and increases productivity;
The maximum filtration pressure can reach 2.5Mp, which greatly reduces the moisture content, saves drying costs, and improves the yield;
The diaphragm pressing function completes this process in a very short time, saving power consumption;
The diaphragm filter plate has the characteristics of anti-fatigue, anti-aging, good sealing performance, and strong anti-corrosion ability, which is basically suitable for all solid-liquid separation operations;
It can be equipped with PLC program control and intelligent man-machine interface control to reduce manpower consumption.

技术参数 TECHNICAL PARAMETER

过滤面积 Filter area (m ²)	滤板尺寸 Plate size (mm)	滤板厚度 Filter thickness (mm)	滤室数量 (个) Filter chambers Number	滤饼厚度 Filter cake thickness (mm)	理论容积 Totd Volu me(L)	地脚中心距 The center distance (mm)	过滤压力 Working pressure (Mpa)	压榨压力 Press pe ower (Mpa)	电机功率 Motor Power (kW)	整体外形尺寸 External Dimensions 长 x 宽 x 高	整机重量 Machine Weight (kg)
TYPE 630 过滤温度 Filtration temperature(-5-80° C)											
8	630x630	60/65	14	25	100	1880	≤ 1.0	≤ 1.6	2.2	2535x830x1470	1350
10			18		125	2130				2785x830x1470	1400
12			20		150	2255				2910x830x1470	1450
16			26		200	2630				3285x830x1470	1550
20			32		25	3005				3660x830x1470	1650
TYPE 800 过滤温度 Filtration temperature(-5-80° C)											
20	800x800	60/65	20	30	300	2210	≤ 1.0	≤ 1.6	2.2	2910x1100x1600	2200
30			30		450	2835				3535x1100x1600	2500
40			40		600	3460				4160x1100x1600	2850
50			50		750	4085				4785x1100x1600	3150
60			60		900	4710				5410x1100x1600	3500
TYPE 1000 过滤温度 Filtration temperature(-5-80° C)											
60	1000x1000	60/65	36	40	1200	3630	≤ 1.0	≤ 1.6	4	4390x1300x1700	5600
70			42		1400	4040				4800x1300x1700	6000
80			48		1600	4450				5210x1300x1700	6400
90			54		1800	4860				5620x1300x1700	6800
100			60		2000	5270				6030x1300x1700	7300
TYPE 1250 过滤温度 Filtration temperature(-5-80° C)											
120	1250x1250	72/78	46	40	2400	4900	≤ 0.8	≤ 1.2	4	6060x1620x2050	8900
140			54		2800	5500				6660x1620x2050	9400
160			62		3200	6100				7260x1620x2050	9900
180			70		3600	6800				7960x1620x2050	10400
200			76		4000	7400				8560x1620x2050	10900

脉冲袋式除尘器

PULSE BAG FILTER



产品简介 PRODUCT INTRODUCTION

袋式除尘器是指采用纤维性滤袋搜集粉尘的除尘设备。该设备有在线清灰（YDMC 型）和离线清灰方式（YDLC 型）供用户选择。在线清灰方式的除尘器综合了分室反吹和脉冲喷吹各类除尘器的优点，使过滤与脉冲清灰分开进行，提高了除尘的效果。离线清灰方式的除尘器有清灰彻底，滤袋使用寿命长，对压缩空气的压力要求低等优点。

Bag filter refers to the dust removal equipment that uses fibrous filter bags to collect dust. The equipment has online cleaning (YDMC type) and offline cleaning methods (YDLC type) for users to choose. The dust collector of the online cleaning method combines the advantages of various types of dust collectors with sub-chamber backflushing and pulse injection, so that filtration and pulse cleaning are carried out separately, which improves the effect of dust removal. The off-line dust collector has the advantages of thorough dust removal, long service life of the filter bag, and low pressure requirements for compressed air.

突出优点 HIGHLIGHT THE ADVANTAGES

除尘效率高，除尘效率通常 $> 99\%$ 。

High dust removal efficiency, dust removal efficiency is usually $> 99\%$.

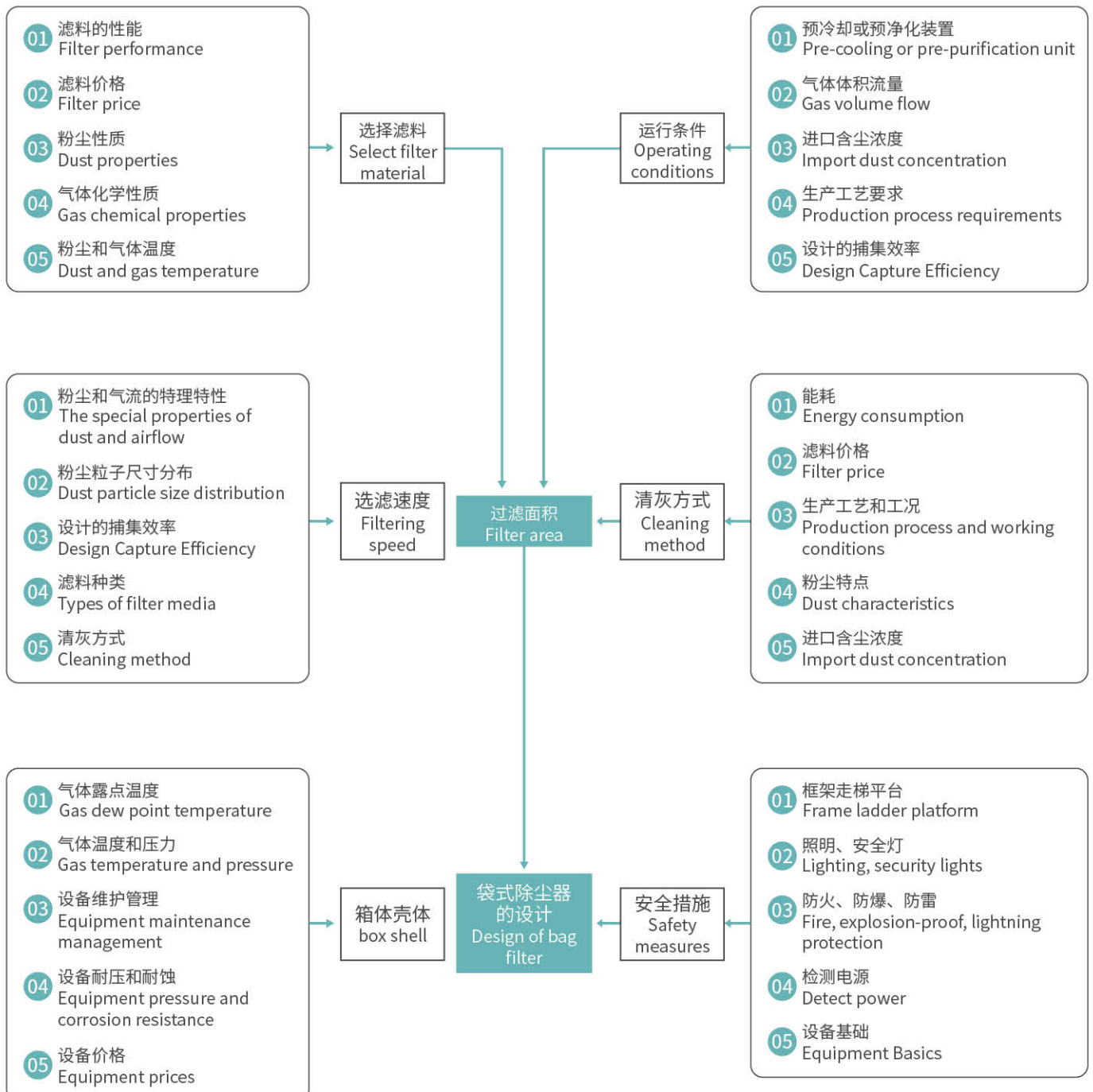
运行稳定，不受风量波动影响。

Stable operation, not affected by fluctuations in air volume.

适应性强，不受粉尘比电阻值限制。

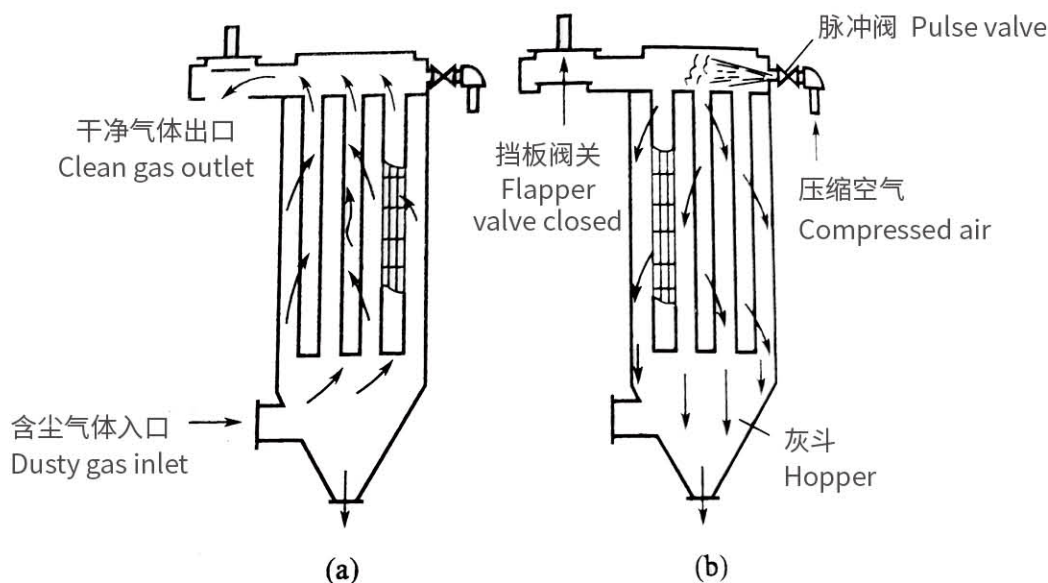
Strong adaptability, not limited by dust specific electricity limit.

设计原则 DESIGN PRINCIPLES



YDLC 型脉冲袋式除尘器

YDLC TYPE PULSE BAG FILTER



箱式喷吹示意图
Schematic diagram of box injection

结构优良

EXCELLENT STRUCTURE

维护方便

EASY MAINTENANCE

适用性强

STRONG APPLICABILITY

除尘效果好

GOOD DUST
REMOVAL EFFECT

设计特点 DESIGN FEATURES

YDLC 型脉冲袋式除尘器设计特点是在滤袋口上不设文氏管，也没有喷吹管，而是用脉冲阀直接往净气室喷压缩空气进而向滤袋清灰。这样既降低喷吹工作阻力，又便于逐室进行检测，换袋。电磁脉冲阀数量为每室 1-2 个，规格为 2-3in (1in=2.54cm)。

The design feature of YDLC type pulse bag filter is that there is no venturi on the mouth of the filter bag, and there is no spray pipe, but the pulse valve is used to directly spray compressed air into the clean air chamber to clean the filter bag. This not only reduces the working resistance of blowing, but also facilitates the detection and bag replacement chamber by chamber. The number of electromagnetic pulse valves is 1-2 per chamber, and the specification is 2-3in (1in=2.54cm).

YDLC 型脉冲袋式除尘器集分室反吹和脉冲喷吹等除尘器的特点，增强了使用适用性。可作为破碎机，烘干机，煤磨，生料磨，篦次冷机，水泥磨，包装机及各库顶收尘设备，也可作为其他行业设备。

YDLC type pulse bag filter has the characteristics of dust collectors such as sub-chamber backflushing and pulse injection, which enhances the applicability of use. It can be used as crusher, dryer, coal mill, raw meal mill, grate sub-cooler, cement mill, packaging machine and dust collection equipment on the top of each warehouse, as well as other industrial equipment.

技术参数 TECHNICAL PARAMETER

型号 Model		POR32-3	POR32-4	POR64-3	POR64-4	POR64-5	POR64-6	POR64-8	POR64-10	POR96-4
室数 (个) Number of rooms (units)		3	3	3	4	5	6	8	10	4
处理风量 Handling air volume(m³/h)		5220-8700	6962-11604	10800-18000	18400-30700	23000-38400	27600-46000	36800-61400	46000-76800	33800-56400
总过滤面积 Total filter area(m²)		72	96	150	256	320	384	512	640	470
滤袋数量 (条) Number of filter bags (strips)		96	128	192	256	320	384	512	640	384
滤袋规格 Filter bag specifications(mm)		Φ130*1850	Φ130*1850	Φ130*1850	Φ130*2450	Φ130*2450	Φ130*2450	Φ130*2450	Φ130*2450	Φ130*3000
脉冲阀 Pulse valve	规格 Specification(in)	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	3
	数量 (个) Quantity (units)	3	4	3	4	5	6	8	10	4
过滤风速 Filter air speed(m/min)		0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6
阻力 Resistance(pa)		1400-1700	1400-1700	1400-1700	1500-1800	1500-1800	1500-1800	1500-1800	1500-1800	1400-1700
进口浓度 Inlet concentration(g/Nm³)		<500	<500	<1000	<1000	<1000	<1000	<1000	<1000	<1300
出口浓度 Outlet concentration (mg/Nm³)		≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30
收尘器承载负压 The dust collector bears negative pressure(pa)		<3000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

型号 Model		POR96-5	POR96-6	POR96-7	POR96-8	POR96-2*5	POR96-2*6	POR96-2*7	POR96-2*8
室数 (个) Number of rooms (units)		5	6	7	4	10	12	14	16
处理风量 Handling air volume (m³/h)		42300-70500	50700-84600	59200-98700	67700-112800	84600-141000	101500-169200	118500-197500	135400-225700
总过滤面积 Total filter area (m²)		587	705	822	940	1175	1410	1645	1880
滤袋数量 (条) Number of filter bags (strips)		480	576	672	768	960	1152	1344	1536
滤袋规格 Filter bag specifications(mm)		Φ130*3000	Φ130*3000	Φ130*3000	Φ130*3000	Φ130*3000	Φ130*3000	Φ130*3000	Φ130*3000
脉冲阀 Pulse valve	规格 Specification(in)	3	3	3	3	3	3	3	3
	数量 (个) Quantity (units)	5	6	7	8	10	12	14	16
过滤风速 Filter air speed(m/min)		0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6	0.8-1.6
阻力 Resistance(pa)		1400-1700	1500-1800	1500-1800	1500-1800	1500-1800	1500-1800	1500-1800	1500-1800
进口浓度 Inlet concentration(g/Nm³)		<1300	<1300	<1300	<1300	<1300	<1300	<1300	<1300
出口浓度 Outlet concentration(mg/Nm³)		≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30	≤ 30
收尘器承载负压 The dust collector bears negative pressure(pa)		<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

除尘器系列

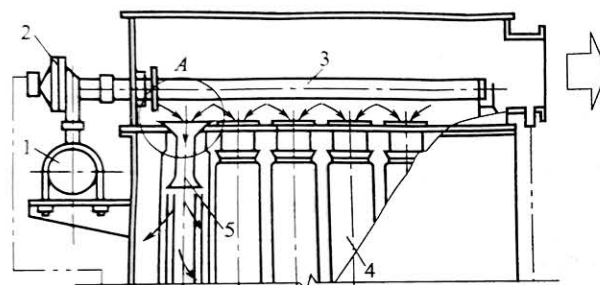
DUST COLLECTOR SERIES

DMC 型脉冲袋式除尘器

DMC TYPE PULSE BAG FILTER

DMC 型脉冲袋式除尘器，其特点是在原机械控制脉冲袋式除尘器的基础上优化了机构复杂，工作性能不稳定的控制程序和控制阀，直接采用电磁阀控制脉冲阀工作。

DMC type pulse bag filter is characterized in that on the basis of the original mechanical control pulse bag filter, the control program and control valve with complex mechanism and unstable working performance are optimized, and the electromagnetic valve is directly used to control the pulse valve.



管式喷吹示意图

Schematic diagram of tubular injection

结构简单
Simple structure

操作稳定可靠
Stable and reliable
operation

维护保养方便快捷
Easy and fast
maintenance

技术参数 TECHNICAL PARAMETER

型号 Model	DMC24	DMC36	DMC48	DMC60	DMC72	DMC84	DMC96	DMC108	DMC120	DMC156
处理风量 Handling air volume (m ³ /h)	2270-4540	3420-6840	4550-9100	5700-11400	6852-13700	7980-15960	9130-18260	10280-20520	11400-22800	14820-29640
过滤面积 Filter area(m ²)	18.9	28.5	37.9	47.5	57.1	66.5	76.1	85.5	95	123.5
滤袋数量 (条) Number of filter bags (strips)	24	36	48	60	72	84	96	108	120	156
滤袋规格 Filter bag specifications (mm)	Φ120*2100	Φ120*2100	Φ120*2100	Φ120*2100	Φ120*2100	Φ120*2100	Φ120*2100	Φ120*2100	Φ120*2100	Φ120*2100
脉冲阀数量 (个) Number of pulse valves (units)	4	6	8	10	12	14	16	18	20	26
过滤速度 Filter speed(m/min)	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2
设备阻力 Resistance(pa)	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200	1000-1200
允许入口含尘浓度 Allowable inlet dust concentration(g/m ³)	<15	<15	<15	<15	<15	<15	<15	<15	<15	<15
除尘效率 Dust removal efficiency(%)	99-99.5	99-99.5	99-99.5	99-99.5	99-99.5	99-99.5	99-99.5	99-99.5	99-99.5	99-99.5
压缩空气消耗量 Compressed air consumption(m ³ /min)	0.084-0.168	0.126-0.252	0.168-0.336	0.210-0.420	0.252-0.504	0.294-0.588	0.336-0.672	0.378-0.756	0.420-0.810	0.546-1.092
工作温度 Operating temperature(°C)	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120
设备外型尺寸 Equipment dimensions L*W*H(mm)	长 (L)	1030	1390	1750	2110	2470	2830	3190	3550	4990
	宽 (W)	1520	1520	1520	1520	1520	1520	1520	1520	1520
	高 (H)	3620	3620	3620	3620	3620	3620	3620	3620	3620
设备重量 Equipment weight(kg)	850	1000	1100	1350	1690	1880	2100	2285	2500	3150

智能型单 / 双臂移动式烟尘净化器

INTELLIGENT SINGLE/DOUBLE ARM MOBILE DUST PURIFIER

本产品广泛应用于烟草、医药、食品工业、建材、冶金、化工、电力、机械制造等行业的除尘、物料回收及空气过滤之用。适用于：焊烟、各类粉尘、打磨、异味净化处理等。

This product is widely used in dust removal, material recovery and air filtration in tobacco, medicine, food industry, building materials, metallurgy, chemical industry, electric power, machinery manufacturing and other industries. Applicable to: welding fume, all kinds of dust, grinding, odor purification, etc.



技术参数

TECHNICAL PARAMETER

名称 Name	智能型双臂移动式烟尘净化器 Intelligent dual-arm mobile dust purifier
型号 Model	HY1
规格 Size(mm)	850x680x1000
电机功率 (kW) Motor Power	2.2
处理能力 Processing Power(m ³ /h)	3000

双桶布袋除尘器

DOUBLE BUCKET BAG DUST COLLECTOR

产品简介

PRODUCT INTRODUCTION

设计原理是本公司基于结合许多小型机台设备的打磨抛光、搅拌扬尘等工位所配套的除尘装置而设计制造，它在风机的支撑和安装机构上增加了多口吸尘、底设滑轮灵活移动、清灰方便等功能。

对喷砂、砂轮、木工、研磨、切削等，吸尘粉、棉屑、水泥灰、木屑、金属沫、煤渣、铁屑等而设计的，它的优点是价格便宜、回收率高、易于清理、使用方便。

The design principle is that the company designs and manufactures the dust removal device based on the combination of grinding and polishing, stirring and raising dust, etc. of many small machines. It is convenient to move and clean dust.

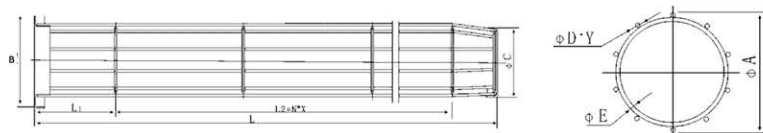
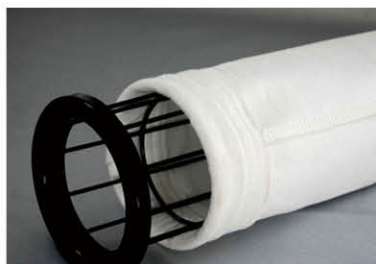
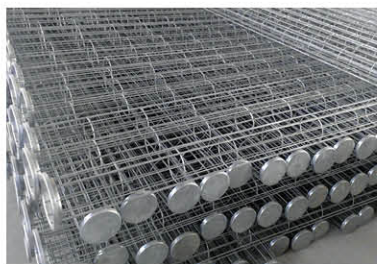
It is designed for sandblasting, grinding wheel, woodworking, grinding, cutting, etc., dust collection powder, cotton chips, cement ash, wood chips, metal foam, cinder, iron filings, etc. It has the advantages of low price, high recovery rate and easy cleaning, Easy to use.



除尘配件系列

DUST COLLECTION ACCESSORIES SERIES

除尘器龙骨架 DUST COLLECTOR KEEL



技术参数

TECHNICAL PARAMETER

直径 (mm) Diameter	配用滤袋直径 (mm) Filter bag diameter	长度 (mm) Length
115	120	2000 2400 2800
125	130	3200 3600 4000
147	152	4400 4800 5200
195	200	5600 5800 6000

除尘气缸 DUST CYLINDER

气缸品种 Cylinder variety		10A-5(标准型) (standard type)		10A-5R(带开关型) (with switch type)		10A-5V(带阀型) (with valve type)		10A-5K(带阀带开关型) (with valve with switch type)	
气缸内径 D(mm) Cylinder bore D		φ32	φ40-φ80	φ100-φ320		φ32	φ40-φ80	φ100-φ320	
最大行程 S(mm) Maximum stroke S		500	800	1500		500	800	1500	
使用压力范围 (mpa) Working pressure range		0.15~0.9							
耐压力 (mpa) Pressure resistant		-1.0							
使用速度范围 (mm/sec) Use speed range		50-700				50-500			
使用温度范围 (° C) Use temperature range		-10~+60(但在不冻结条件下)(but under non-freezing conditions)							
工作介质 Working medium		空气、干燥空气 air, dry air							
给油 Oil		不需要 (也可给指定用油)Not required (can also be used for specified oil)							
缓冲 Buffer		两侧可调缓冲 (无缓冲另行订制) Adjustable buffers on both sides (no buffers can be ordered separately)							
缓冲行程 Buffer stroke		20		25		20			
最短行程 (mm) Shortest trip	安装限制 Installation restrictions	10A-5R				10A-5V		10A-5K	
	TC	125				75		125	
	安装 Installation	120				165		165	
	其他 Other	30				50		50	
	安装 Installation	110				165		165	



电磁脉冲阀 ELECTROMAGNETIC PULSE VALVE



SMF-ZQ-25



SMF-ZQ-50S



SMF-ZQ-40S



SMF-YQ-62S



SMF-QT-40



SMF-ZQ-45DD

产品系列 Product Series	工作压力 Working-pressure	环境温度 Ambient Temperature	相对湿度 Relative Humidity	使用介质 Working Medium	电压 Voltage	膜片寿命 Diaphragm Life
AMF DMF GMF TMF	0.3~0.7MPA	-25~55°C	< 85%	清洁空气 Clean Air	AC110V/ AC220V/DC24V	喷次 100 万以上 Over One Million Cycles

除尘器滤袋

DUST COLLECTOR FILTER BAG

滤袋是袋式除尘器的心脏，通常圆筒型的脉冲式滤袋垂直悬挂在除尘器中。

含尘气体由进风口进入除尘器，经过灰斗的导流板，使气体中的部分大颗粒粉尘受惯性力的作用被分离出来，直接落入灰斗。含尘气体进入箱体的滤袋过滤区，绝大多数粉尘被捕集在滤袋的外表面，气体通过滤料进入滤袋内部，净化后的气体经出风口排出。滤袋内部的笼架用来支撑滤袋，防止滤袋塌陷，同时它有助于尘饼的清除和重新分布。

The dust collector bag is the core element of the cylindrical impulse type dust collector bag is suspend in the dust collectors vertically. Dust gas enters the dust hopper directly by inertia. When dust gas enters the dust collector bag from the air inlet and the passage board, making most big dust particle filtered out into the dust hopper directly by inertia. When dust gas reaches the filtering area of the box with dust collector bags, most dust is captured on the outer surface of the dust collector bags, and the gas flows into the pocket through filter. Media then purified gas discharges from the outlet. The cage inside the pocket is used to support and prevent the pocket to collapse while it is helpful to remove and redistribute the dust cake.



涤纶针刺毡
POLYESTER NEEDLE FELT

材质 Material	涤纶纤维 / 涤纶短纤维或涤纶长斯基布 Polyester Fiber/Polyester staple Fiber
克重 Weight	450~600g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	1000~1500N/5x20cm
伟向拉力 Weft Tensile Strength	1300~1600N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 55%
使用温度 Temperature	≤ 130° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated



易清灰涤纶针刺毡
EASY TO CLEAN POLYESTER
NEEDLE FELT

材质 Material	涤纶玻纤 / 涤纶基布 Polyester Fiber/Polyester Substrate
克重 Weight	500g/m ²
透气性 Breathability	1.75mm
径向拉力 Wrap Tensile Strength	1000~1500N/5x20cm
伟向拉力 Weft Tensile Strength	1300~1600N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 55%
使用温度 Temperature	≤ 130° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated



拒水防油涤纶针刺毡
WATER REPELLENT AND OIL PROOF
POLYESTER NEEDLE FELL

材质 Material	涤纶玻纤 / 涤纶基布 Polyester Fiber/Polyester Substrate
克重 Weight	450~600g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	1000~1500N/5x20cm
伟向拉力 Weft Tensile Strength	1300~1600N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 55%
使用温度 Temperature	≤ 130° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated



覆膜涤纶针刺毡
COATED POLYESTER NEEDLE
PUNCHED FELT

材质 Material	涤纶 +PTFE 微孔膜 Polyester Fiber+PTFE Microporous Membrane
克重 Weight	550g/m ²
透气性 Breathability	70~90m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 1100N/5x20cm
伟向拉力 Weft Tensile Strength	> 1250N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 50%
使用温度 Temperature	≤ 130° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated

除尘器滤袋系列

DUST COLLECTOR FILTER BAG SERIES



防静电涤纶针刺毡

ANTISTATIC POLYESTER
NEEDLE PUNCHED FELT

材质 Material	涤纶纤维 / 涤纶导电基布
克重 Weight	450~600g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	1000~1500N/5x20cm
伟向拉力 Weft Tensile Strength	1300~1600N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 55%
电阻表面 Surface of resistor	4.8
摩擦电位 Friction Potential	最大值 Maximum250
YX10 体积 YX10 Volume	8.7
V 平均值 V Average Value	183
面电荷密度 Density of Surface charge	3.4mc/m ²
使用温度 Temperature	≤ 130° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated



混纺防静电涤纶针刺毡

BLENDED ANTISTATIC POLYESTER
NEEDLE PUNCHED FELT

材质 Material	导电纤维 / 涤纶基布
克重 Weight	450~600g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	1000~1500N/5x20cm
伟向拉力 Weft Tensile Strength	1300~1600N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 55%
电阻表面 Surface of resistor	4.8
摩擦电位 Friction Potential	最大值 Maximum250
YX10 体积 YX10 Volume	8.7
V 平均值 V Average Value	183
面电荷密度 Density of Surface charge	3.4mc/m ²
使用温度 Temperature	≤ 130° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated



三防针刺毡

THREE NEEDLE FELT

材质 Material	导电纤维 / 涤纶基布
克重 Weight	450~600g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	1000~1500N/5x20cm
伟向拉力 Weft Tensile Strength	1300~1600N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 55%
电阻表面 Surface of resistor	4.8
摩擦电位 Friction Potential	最大值 Maximum250
YX10 体积 YX10 Volume	8.7
V 平均值 V Average Value	183
面电荷密度 Density of Surface charge	3.4mc/m ²
使用温度 Temperature	≤ 130° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated



亚克力针刺毡

ACRYLIC FELT

材质 Material	亚克力纤维 / 亚克力基布
克重 Weight	> 500g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	1000~1500N/5x20cm
伟向拉力 Weft Tensile Strength	1300~1600N/5x20cm
径向伸长 Wrap Elongation	< 35%
伟向伸长 Weft Elongation	< 55%
使用温度 Temperature	≤ 130° C, 短时 150° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛压光、浸渍或特氟隆涂层 Singeind, Calender, Dipping, Teflon coated



中温针刺毡

POLYESTER NEEDLE FELT

材质 Material	涤纶纤维 / 涤纶基布
克重 Weight	≥ 750g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	1400N/5x20cm
伟向拉力 Weft Tensile Strength	600N/5x20cm
径向伸长 Wrap Elongation	< 25%
伟向伸长 Weft Elongation	< 25%
使用温度 Temperature	≤ 150° C, 瞬间 Instant 180° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛、压光或特氟隆涂层 Singeind, Calendered or Teflon coated



PPS 针刺毡

PPS NEEDLE FELT

材质 Material	PPS 纤维 / PPS 基布
克重 Weight	≥ 500m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 1200N/5x20cm
伟向拉力 Weft Tensile Strength	> 1000N/5x20cm
径向伸长 Wrap Elongation	< 30%
伟向伸长 Weft Elongation	< 30%
耐酸性 Acid-resistance	优 Good
耐碱性 Alkali-resistance	优 Good
使用温度 Temperature	≤ 170° C, 瞬间 Instant 250° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	高温热压及烧毛、特氟隆处理 Temperature thermal pressing and singeing ,Teflon Treatment



美塔斯针刺毡
TASMANIAN NEEDLE FELT

材质 Material	芳纶纤维 / 芳纶基布 Aramid Fiber/Aramid Fabric
克重 Weight	> 500m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 800N/5x20cm
伟向拉力 Weft Tensile Strength	> 1200N/5x20cm
径向伸长 Wrap Elongation	< 20%
伟向伸长 Weft Elongation	< 50%
使用温度 Temperature	≤ 260~280° C, 瞬间 Instant 300° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	烧毛压光、浸渍或特氟隆涂层 Singeind, Calender, Dipping, Teflon coated



玻璃纤维针刺毡
FIBERGLASS NEEDLE FELT

材质 Material	玻璃纤维 / 玻纤基布 Glass Fiber/Fiberglass Sunbstrate
克重 Weight	900g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 1800N/5x20cm
伟向拉力 Weft Tensile Strength	> 1800N/5x20cm
径向伸长 Wrap Elongation	< 10%
伟向伸长 Weft Elongation	< 10%
使用温度 Temperature	≤ 260~280° C, 瞬间 Instant 300° C
过滤风速 Filtration Velocity	0.8~1.2m/min
处理方式 Post-Processing	特氟隆涂层 Teflon coating



金刚复合针刺毡
DIAMOND COMPOSITE
NEEDLE FELT

材质 Material	玻纤和 P84,PTFE 级 PPS 混合纤维 / 玻纤基布 Glass Fiber & P84,Class PTFE Synthetic Fabric/Fiberglass Sunbstrate
克重 Weight	> 900m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 1800N/5x20cm
伟向拉力 Weft Tensile Strength	> 1800N/5x20cm
径向伸长 Wrap Elongation	< 30%
伟向伸长 Weft Elongation	< 30%
使用温度 Temperature	220~350° C
过滤风速 Filtration Velocity	1.0~1.2m/min
过滤效率 Filtration efficiency	
处理方式 Post-Processing	PTFE 浸渍、覆膜、涂层 PTFE dipping,Laminating, Coated



P84 针刺毡
P84 NEEDLE FELT

材质 Material	P84 纤维 /P84 基布 P84Fiber/P84 Sunbstrate
克重 Weight	> 500g/m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 1800N/5x20cm
伟向拉力 Weft Tensile Strength	> 1800N/5x20cm
径向伸长 Wrap Elongation	< 10%
伟向伸长 Weft Elongation	< 10%
耐酸性 Acid-resistance	优 Good
耐碱性 Alkali-resistance	优 Good
使用温度 Temperature	≤ 260° C, 瞬间 Instant 280° C
过滤风速 Filtration Velocity	1.0~1.2m/min
处理方式 Post-Processing	PTFE 浸渍、覆膜、涂层 PTFE dipping,Laminating, Coated



防静电氟美斯针刺毡
ANTISTATIC FLUORUS
NEEDLE FELT

材质 Material	混合纤维、玻纤 / 玻纤基布 Synthetic Fabric,Glass Fiber/Fiberglass Sunbstrate
克重 Weight	> 850m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 1800N/5x20cm
伟向拉力 Weft Tensile Strength	> 1800N/5x20cm
耐酸性 Acid-resistance	优 Good
耐碱性 Alkali-resistance	优 Good
使用温度 Temperature	220~240° C, 短时 Short Time 250° C
过滤风速 Filtration Velocity	0.8~1.2m/min
处理方式 Post-Processing	PTFE 浸渍、烘干、覆膜、防水 PTFE dipping,Drying,Laminating, Water-Proof



PTFE 针刺毡
PTFE NEEDLE FELT

材质 Material	PTFE 纤维 /PTFE 基布 PTFE Fiber/PTFE Sunbstrate
克重 Weight	> 500m ²
透气性 Breathability	80~100m ³ /m ² /s
径向拉力 Wrap Tensile Strength	> 1800N/5x20cm
伟向拉力 Weft Tensile Strength	> 1800N/5x20cm
耐酸性 Acid-resistance	优 Good
耐碱性 Alkali-resistance	优 Good
使用温度 Temperature	220~240° C, 瞬间 Instant 250° C
过滤风速 Filtration Velocity	0.8~1.2m/min
处理方式 Post-Processing	PTFE 浸渍、覆膜、涂层 PTFE dipping,Laminating, Coated

生产现场

PRODUCTION SITE



交付与安装

DELIVERY AND INSTALLATION



使用案例

USE CASES



九江诺贝尔陶瓷污水处理系统
Jiujiang Nobel Ceramic Sewage Treatment System



美国石英集团污水处理系统
Usa quartz co.,Ltd. Sewage Treatment System



广东华陶建材污水处理系统
Guangdong Huatao Building Materials Sewage Treatment System



广西新瑞福陶瓷污水处理系统
Guangxi Xinrui fu Ceramics Sewage Treatment System



肇庆宏润陶瓷污水处理系统
Zhaoqing Hongrun Ceramics Sewage Treatment System



肇庆将军陶瓷污水处理系统
Zhaoqing General Ceramics Sewage Treatment System



四川利弘陶瓷污水处理系统
Sichuan Lihong Ceramics Sewage Treatment System



清远贝斯特瓷业污水处理系统
Qingyuan Best Porcelain Industry Sewage Treatment System

荣誉资质 HONOR QUALIFICATION

使用案例 USE CASES



压机除尘
Press dust removal



干磨机除尘
Dry squaring machine dust removal



干磨机除尘
Dry squaring machine dust removal



瓷砖抛磨料处理
Tile polishing abrasive treatment



混凝土搅拌站渣料处理
Concrete batching plant slag treatment



石英石渣料处理
Quartz stone slag treatment



堇青石渣料处理
Cordierite slag treatment

企业荣誉 ENTERPRISE HONOR



合作客户

COOPERATIVE CUSTOMERS

America 美国

American quartz group
Hirsch glass corp
Usa quartz co.,Ltd

Iran 伊朗

Emarat tile
Saba tile asgaran co.,Ltd
Seyed.Mohhamd atashi
Tile omplex of rafsanjan almus kavir
Mojtahmah kashi meybod co. (Mkm)
Paradise abadeh tile co
Kimia tile
Kasra tile
Bsatat tile
Nafis tile
Pirsian tile
Tala tile
Romak tile
Yaze tile
Ida tile
Golf tile
Sohail tile
Parla tile
Azarnegar tile
Parsan tile

Saudi 沙特

Riyadh ceramic
Saudi Fine Ceramics Co., Ltd.

江西九江诺贝尔陶瓷有限公司
Jiangxi Jiujiang Nobel Ceramics Co., Ltd.

重庆东鹏智能家居有限公司
Chongqing Dongpeng Smart Home Co., Ltd.

旺康控股集团有限公司（沙特阿拉伯、乌干达、加纳、坦桑尼亚、尼日利亚工厂）
Wangkang Holding Group Co., Ltd. (Saudi Arabia, Uganda, Ghana, Tanzania, Nigeria factories)

重庆唯美陶瓷有限公司
Chongqing Weimei Ceramics Co., Ltd.

荣盛实业有限公司（沙特工厂）
Rongsheng Industrial Co., Ltd.(Saudi factory)

金成陶瓷有限公司（约旦工厂）
Jincheng Ceramics Co., Ltd. (Jordan factory)

爱陶（广东）陶瓷有限公司
Aihetao (Guangdong) Ceramics Co., Ltd.

广东华陶建材有限公司
Guangdong Huatao Building Materials Co., Ltd.

广东肇庆宏润陶瓷有限公司
Guangdong Zhaoqing Hongrun Ceramics Co., Ltd.

Vietnam 越南

World joint stock company
Thach ban ceramic
Nice ceramic co.,Ltd
Tasa ceramic co.,Ltd
Tien phong jsc
Phu tan co.,Ltd
Phoenix jonit stock company
Toko ceramic co.,Ltd

Philippines 菲律宾

Teamrun international co., Limited
Mariwasa siam ceramics, inc. Philippines

Pakistan 巴基斯坦

Swat cearmic
Time ceramic

Thailand 泰国

Prime ceramic group

Japan 日本

Lixil japan

Indonesia 印度尼西亚

PT. Arwana
Mulia Group Indonesia

Algeria 阿尔及利亚

Eurl el acil ceramique

广东肇庆将军陶瓷有限公司
Guangdong Zhaoqing General Ceramics Co., Ltd.

广东清远贝斯特瓷业有限公司
Guangdong Qingyuan Best Porcelain Industry Co., Ltd.

广东恩平强强陶瓷有限公司
Guangdong Enping Qiangqiang Ceramics Co., Ltd.

广西新瑞福陶瓷有限公司
Guangxi Xinruifu Ceramics Co., Ltd.

四川利弘陶瓷有限公司
Sichuan Lihong Ceramics Co., Ltd.

湖南兆邦陶瓷有限公司
Hunan Zhaobang Ceramics Co., Ltd.

山西大自然陶瓷
Shanxi Nature Ceramics

新疆阿克苏欧迪亚陶瓷
Xinjiang Aksu Odiya Ceramics

福建乔宝陶瓷有限公司
Fujian Qiaobao Ceramics Co., Ltd.



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H5 微场景