

佛山市沙污净环保科技有限公司  
WOKING ENVIRONMENTAL TECHNOLOGY CO.,LTD



工厂地址 Add:  
广东省佛山市南海区狮山镇兴业西路7号  
NO.7 Xingye West Road, Shishan Town, Nanhai  
District, Foshan City,GuangDong, China



电话 MP / WHATSAPP / WECHAT:  
0757-81797286 / 0086-13927299670 / 0086-18675741520



邮箱 E-mail:  
duan@wokinget.com  
woking.zhang@hotmail.com,



网址 Web:  
www.wokinget.com  
www.swjhb.com



WOKING  
沙污净环保

Vacuum Disk Filter  
过滤机械制造商



WOKING  
ENVIRONMENTAL

盘式真空过滤机产品手册

佛山市沙污净环保科技有限公司  
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Vacuum Disk Filter  
过滤机械制造商

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**WOKING  
ENVIRONMENTAL**

### 企业简介 Company profile

佛山市沙污净环保科技有限公司是一家国际领先的环保技术解决方案制造商，专注于压滤机、真空过滤器、污水处理系统、除尘器等环保设备的设计，研发，生产，销售及交钥匙工程服务。我们公司位于中国广东佛山，我们在生产符合最高标准的性能和可靠性的高质量产品方面享有很好的市场口碑。

我们所有的产品都经过严格认真的质检及测试，确保符合质量和安全的高标准。除了致力于生产高质量的产品外，我们还通过我们经验丰富、素质优良的工程师团队提供专业的安装调试服务。

我们致力于帮助我们的客户找到最合适解决方案，满足他们的生产及环境的需求。无论您是在寻找压滤机、真空过滤器、污水处理系统，还是除尘器，我们的专业知识和资源都能帮助您找到最适合您特定需求的产品。



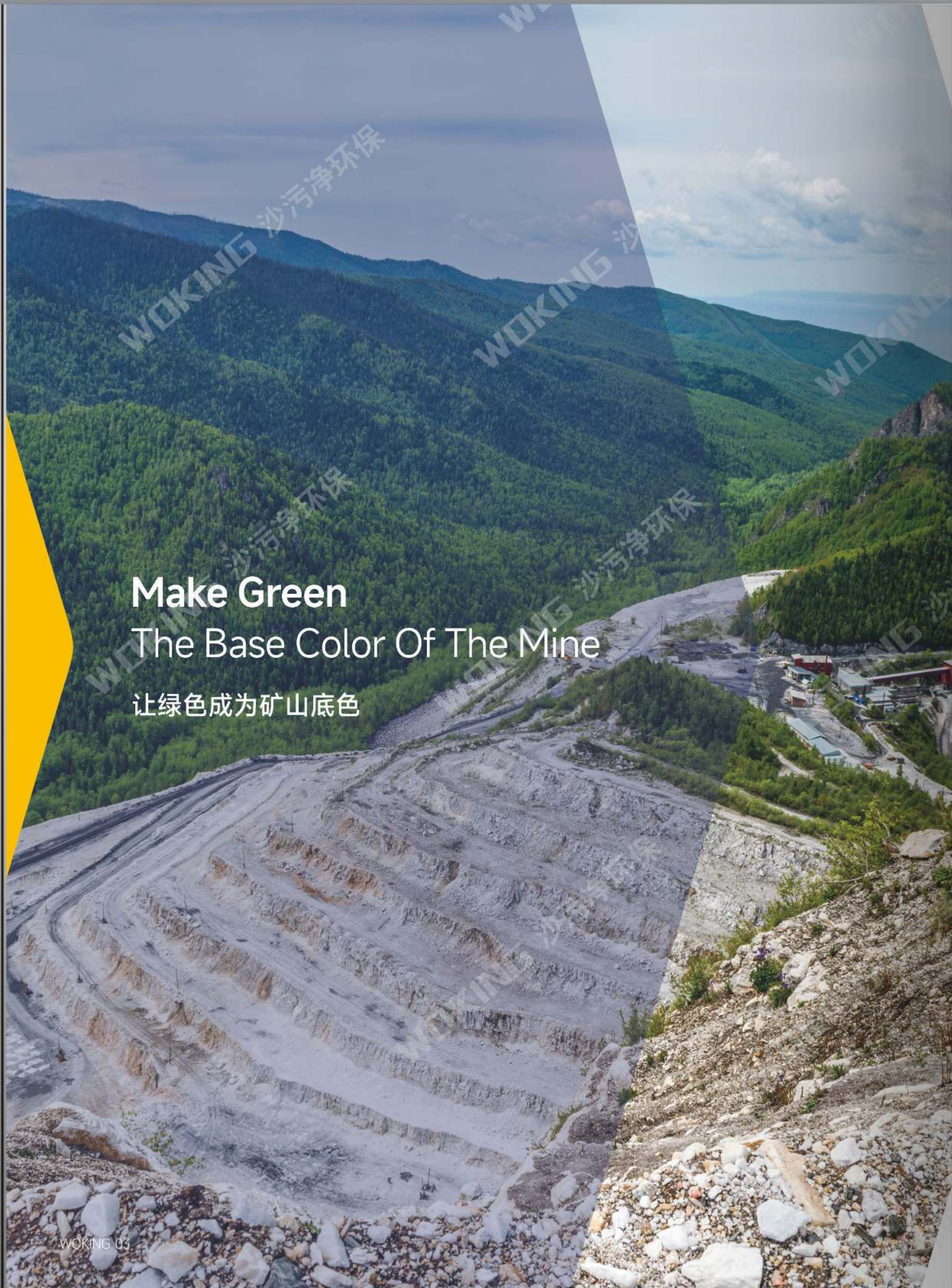
WOKING ENVIRONMENTAL TECHNOLOGY CO., LTD is a leading manufacturer of environmental technology solutions, with a focus on filter presses, vacuum disc filters, waste water treatment systems, water filters, and dust collectors. Our company is located in Foshan, Guangdong, China, and we have a strong reputation for producing top-quality products that meet the highest standards of performance and reliability.

All of our products undergo rigorous testing to meet the highest standards of quality and safety. In addition to our commitment to producing high-quality products, we also offer professional installation services through our team of experienced and knowledgeable engineers.

At WOKING ENVIRONMENTAL TECHNOLOGY CO., LTD, we are dedicated to helping our clients find the best solutions for their production and environmental technology needs. Whether you are looking for a filter press, vacuum filter, waste water treatment system, or dust collector, we have the expertise and resources to help you find the perfect fit for your specific needs.

# Make Green The Base Color Of The Mine

让绿色成为矿山底色



## 伊甸园植物园

Eden Project

英格兰东南部康沃尔郡

它是兴建于废弃矿山上的全球最大的生态温室。

Cornwall, southeast England

It is the world's largest ecological greenhouse built on an abandoned mine.



## 世茂深坑酒店

Shimao Quarry Hotel

中国上海松江国家风景区佘山脚下

全球首个建在废石坑里的酒店，这里原是一座80米深的采石场废弃大坑。

At the foot of Sheshan Mountain, Songjiang National Scenic Area, Shanghai, China

The first hotel in the world to be built in a waste pit, an 80m-deep pit abandoned by a quarry.



## 布查特花园

The Butchart gardens

由一座废弃的石灰石矿场改造而成

经过布查特家族四代人的辛勤努力不断扩大，如今已成为世界著名的第二大花园。

It was converted from an abandoned limestone mine

After four generations of hard work by the Bouchart family, it has grown into the world's second largest garden.



## 维利奇卡盐矿

Kopalnia soli, Wieliczka

欧洲最古老的盐矿之一

直到2007年才彻底停止采矿。如今它是波兰最著名的景点，

被誉为“波兰的地下盐矿教堂”。

One of the oldest salt mines in Europe

Mining stopped completely in 2007. Today it is one of Poland's most famous attractions, known as "Poland's underground salt mine church".





产品简介 Product introduction

陶瓷真空过滤机集机电、微孔陶瓷、超声技术为一体，依靠真空吸力和毛细作用实现固液分离的新型节能过滤设备。广泛应用于矿山、冶金、化工、环保等行业。  
陶瓷真空过滤机主要由辊筒系统、搅拌系统、给排矿系统、真空系统、滤液排放系统、刮料系统、反冲洗系统、联合清洗（超声波清洗、自动配酸清洗）系统、全自动控制系统、槽体、机架几部分组成。槽体采用耐腐蚀的不锈钢，起装载矿浆的作用搅拌系统在槽体内搅拌混合物料，避免物料的快速沉降；陶瓷过滤板安装在辊筒上，辊筒在可无级变速的减速机的带动下旋转。

Ceramic vacuum disk filter integrates electromechanical, microporous ceramics, and ultrasonic technologies, and is a new type of energy-saving filter equipment that relies on vacuum suction and capillary action to achieve solid-liquid separation. Widely used in mining, metallurgy, chemical industry, environmental protection and other industries.

Product Advantages  
产品优点

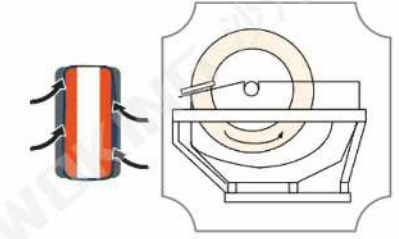
- 干滤饼 Dry cake
- 低能耗 Low energy consumption
- 产量高 High specific output
- 工厂环境及安全 Plant environmental and safety
- 操作的优势 Operation advantages
- 连续操作 Continuous operation
- 陶瓷过滤元件 Ceramic filtering elements
- 滤液、原料清 Clear filtrate, raw materials
- 经济 Economy
- 节约维护和运营成本 Maintenance and operating costs savings

工作原理 Working principle

滤饼形成 Cake Formation

当微孔板浸入纸浆中时，由于毛细效应，过滤元件去除与其表面接触的液体。真空泵施加驱动力，使浆液通过陶瓷元件并进入滤液管。在过滤元件的外表面上，滤饼快速形成，扇形区的有效设计防止细固体和空气通过过滤系统。

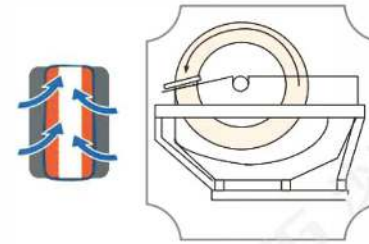
When the ceramic filter element is rotated above the slurry level, capillary action in the ceramic element continuously removes residual water cake. This efficient dehydration process produces a low water content final filter cake with minimal operating and maintenance costs compared to conventional dehydration systems.



滤饼脱水 Filter Cake Dewatering

当陶瓷过滤元件在浆料液位以上旋转时，毛细管作用在陶瓷元件内连续去除残留水分滤饼。与传统的脱水系统相比，这种高效的脱水过程以最低的操作和维护成本产生低的最终滤饼水分。

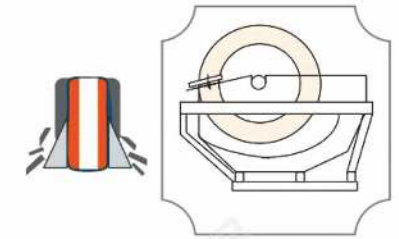
As the ceramic filter elements rotate above the slurry level, the capillary action within the ceramic elements continuously removes the residual moisture from the filter cake. This highly efficient dewatering process produces low final cake moisture at minimum operation and maintenance costs, comparing to the traditional dewatering systems.



滤饼卸料 Filter Cake Discharge

陶瓷刮刀干净有效地刮过成型脱水的滤饼。在过滤元件上保留一层固体，以防止机械研磨作用。这种设计降低了维护成本，提高了陶瓷过滤器的使用寿命。

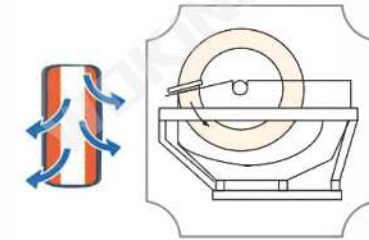
The ceramic scraper scrape the dehydrated cake cleanly and efficiently. A solid layer is retained on the filter element to prevent mechanical grinding. This design reduces the maintenance cost and improves the service life of the ceramic filter.



过滤元件反冲洗(再生) Element back-flushing (regeneration)

在这一阶段，将清洁的工厂用水用于反冲洗并去除残留的滤饼。这一过程有效地清洁了陶瓷部分，以保持最大的过滤速率和最低的最终滤饼湿度。在此再生操作期间，冲洗水的压力和流量自动控制。

At this stage clean plant water is applied to the back wash the internals of the ceramic filter elements and to remove the residua of filter cake. This process effectively cleans both the ceramic sectors to maintain maximum filtration rates and lowest moisture of final cakes. During this regeneration operation, flush water pressure and flow are automatically controlled.

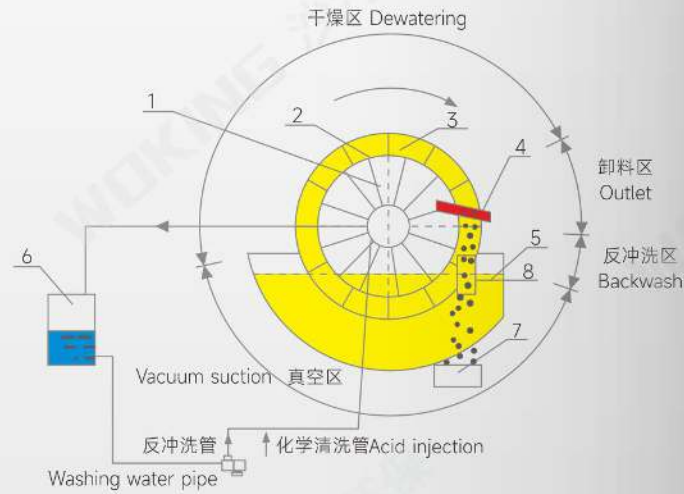


Ceramic vacuum filter

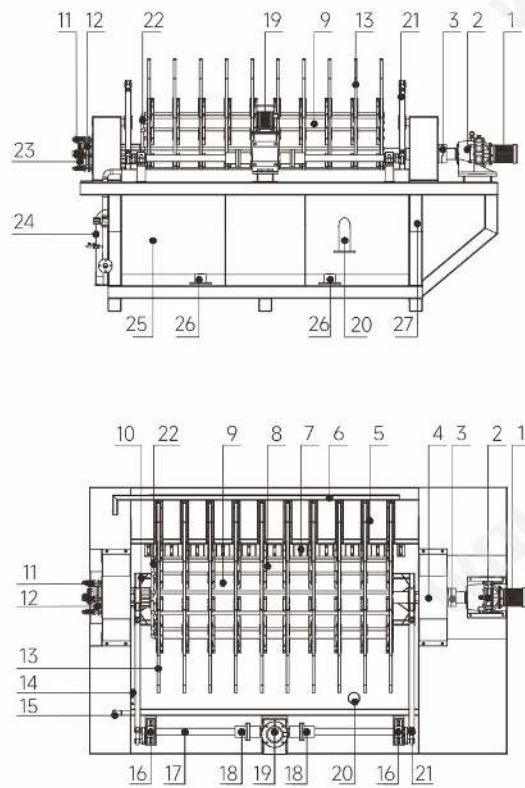
陶瓷真空过滤机

流程示意图 Flow diagram

- ① 转子 rotor
- ② 滤室 vacuum space
- ③ 陶瓷板 filter plate
- ④ 滤饼 filter cake
- ⑤ 料浆槽 slurry tank
- ⑥ 真空桶 vacuum tank
- ⑦ 皮带输送机 conveyor
- ⑧ 超声装置 ultrasonic



结构说明图 Structure instruction



序号   No.	名称   Description
1	主轴真空管 Main Shaft Vacuum Pipe
2	搅拌轴摆杆 Mixing Connecting Bar
3	浆槽溢流口 Slurry Tank Overflow Hole
4	搅拌机电机 Mixing Motor
5	搅拌联轴器 Mixing Structure Coupling
6	搅拌连接轴 Mixing Motor Connecting Shaft
7	搅拌轴承座 Mixing Bearing Seat
8	槽洗进水管 Clean Water Washing Pipe
9	浆槽液位探针 Liquid Level Probe
10	陶瓷板 Ceramic Filter Plate
11	摩擦圈 Ceramic Friction Ring
12	机架 Main Body Structure
13	排浆口 Slurry Discharging Hole
14	槽体 Slurry Tank
15	清水过滤器 Clean Water Filter
16	分配头 Distribution
17	主轴减速机 Main Shaft Motor Reducer
18	主轴电机 Main Motor
19	主轴滚筒 Stainless Steel Roller
20	调节弹簧 Spring
21	搅拌机构 Mixing Structure
22	陶瓷板安装座 Ceramic Filter Plate Seat
23	超声波盒 Ultrasonic Box
24	槽洗水管 Slurry Tank Washing Pipe
25	刮刀 Scraper
26	主轴轴承 Main Shaft Bearing
27	主轴联轴器 Main Shaft Coupling

产品特点 Wk vacuum disc filter features

结构设计灵活紧凑 Compact design

整个WK过滤器设计紧凑而简单。过滤装置包括一个控制面板、真空泵和滤液罐、滚筒和搅拌器驱动器以及一个集成的超声波清洗系统。紧凑的设计无需大型真空装置和复杂的滤液处理传统真空过滤系统所需的系统。The entire WK filter design is compact and simple. Included in the filter unit are a control panel, vacuum pump and filtrate tank, drum and agitator drives, and an integrated ultrasonic cleaning system. The compact design eliminates the need for large vacuum installations and complicated filtrate handling systems that are required with a conventional vacuum filter system.

陶瓷过滤板科学、精密、耐用 The discs

WK过滤盘由烧结氧化铝扇区制成，该扇区具有具有均匀微孔的膜，通过毛细作用产生吸力。这种微孔过滤介质只允许液体流过。当滤液浸入浆料浴中时，滤液通过陶瓷部分，在圆盘表面形成滤饼。尽管滤液侧几乎绝对真空，但没有空气穿透过滤介质。陶瓷材料坚固、坚硬、耐磨，保证了WK滤板在正常工作条件下的长寿命。良好的耐腐蚀性和高耐久性允许非常有效的清洁方法，以确保陶瓷盘的一致高性能。WK过滤器可配备不同类型的过滤板，用于腐蚀性条件（大容量应用）。由于耐久性特性相同，这使得扇区完全可互换，从而使同一单元适用于一系列不同的工艺条件。WK filter discs are made out of sintered alumina sectors that have a membrane with uniform micropores that create suction through capillary action. This microporous filter medium allows only liquid to flow through. The filtrate is drawn through the ceramic sectors as they are immersed into the slurry bath, and a cake forms on the surface of the discs. Despite an almost absolute vacuum on the filtrate side, no air penetrates the filter media. The ceramic material is strong, hard and wear resistant, which guarantees a long lifetime for the WK filter plates under normal operating conditions. Good corrosion resistance and high durability allow very effective cleaning methods that ensure the consistent high performance of the ceramic discs. WK filters can be equipped with different types of filter plates serving corrosive conditions, a to high volume application. Since the durability characteristics are equal it makes the sectors fully interchangeable making the same unit suitable for a range of different process conditions.

耐磨高铝瓷刮刀 Long lasting scrapers

过滤器配有由高级氧化铝制成的长效陶瓷刮刀。陶瓷刮刀安装在刚性可调臂上。刮刀经过调整，以留下薄薄的残留滤饼，从而消除过滤介质本身的磨损。正常运行时，刮刀的使用寿命超过一年。The filter is equipped with long-lasting ceramic scrapers made of high grade aluminum oxide. The ceramic scraper blades are fitted on rigid, adjustable arms. The scrapers are adjusted to leave a thin residual cake and so eliminate wear on the filter media itself. The lifetime of the scrapers is over one year in normal operation.

低能耗真空泵 Vacuum pumps

WK过滤器只需要在120M<sup>2</sup>过滤器上安装一个小型（2\*7.5 KW）真空泵，即可将滤液从滤盘输送至滤液接收器。过滤器通过刮刀将滤饼从陶瓷盘上去除，无需压缩空气快速吹出。The WK filters require only a small (2\*7.5 kW) vacuum pump on a 120 m<sup>2</sup> filter to transfer the filtrate from the discs to the filtrate receiver. The filter cake is removed from the ceramic discs by scraper, eliminating the need for compressed air snap blow for discharge.

陶瓷过滤板自动清洁程序 Automatic regeneration

过滤板通过连续反冲洗、定期化学和超声波处理就地再生，确保最大生产率。无需额外的辅助设备，从而最大限度地减少占地面积和维护时间。The filter plates are cleaned automatically by continuous backwashing and regular chemical and ultrasonic treatments to ensure maximum productivity. No additional auxiliary equipment is required, thus minimizing footprint and maintenance time.

Ceramic vacuum filter

### 陶瓷真空过滤机



#### 主要适用范围 Main scope of application

目前已广泛应用于铜、铁、金、银、锡、铝、铅、锌、镍、钴、钨、钼、铬、钨、硫、磷、煤、硅、石英、云母、稀土等精矿、尾矿脱水、化工行业氧化锌、氧化铅、硫化锌、电解渣、浸出渣、炉渣的脱水及环保污水泥废酸处理等。

At present, it has been widely used in copper, iron, gold, silver, tin, aluminum, lead, zinc, nickel, cobalt, palladium, molybdenum, chromium, inscription, sulfur, phosphorus, coal, silicon, quartz, mica, rare earth and other concentrates, tailings dehydration, chemical industry zinc oxide, lead oxide, zinc sulfide, electrolytic slag, leached slag, slag dehydration and environmental waste cement waste acid treatment.

#### Applicable minerals

#### 陶瓷真空过滤机 适用矿物



铁精矿  
Iron concentrate



金精矿  
Gold concentrate



铜精矿  
Copper concentrate



硫精矿  
Sulfur concentrate



镍精矿  
Nickel concentrate



石英  
Quartz



铅精矿  
Lead concentrate



铝土矿  
Bauxite



精煤  
Clean coal



银矿  
Silver ore



钼矿  
Molybdenum ore



钯矿  
Palladium ore



磷精矿  
Phosphate concentrate



铬矿  
Chrome ore



氧化锌  
Zinc oxide

矿种	粒径分布	给料浓度 (%)	处理量 (KG/m <sup>2</sup> H)	滤饼水分 (%)
Mineral Species	Particle size distribution	Feed concentration (%)	Treatment capacity (KG/m <sup>2</sup> H)	Water content of filter cake (%)
铁精矿 Iron concentrate	400目占50%-60%	65	800-1500	6.8 8.3
硫精矿 Sulfur concentrate	400目占80%	80 70	400-700	11.5 8.2
金精矿 Gold concentrate	200目占50%	60	800-1400	7.5
氢化渣 Hydrogenation residue	200目占97%	60	700-957	22.5
酸浸渣 Acid leach residue	200目占80%	60	800-980	20.8
钴精矿 Cobalt concentrate	200目占80%	55	700-980	30-35
金尾矿 Gold tailing	200目占60%	60 40	400-600	21 24
	200目占95%	60		14.5
铜精矿 Copper concentrate	200目占74%	65 58	600-900	10.6 14.2
镍精矿 Nickel concentrate	200目占95%	62 59	300-600	12.10 11.50
铅精矿 Lead concentrate	200目占90%-98%	70	700-800	10.1-12
锌精矿 Zinc concentrate	200目占90%-98%	65 62	700-900	11.8 9.1
铝土矿 Bauxite	200目占75%-80%	60	350-450	11.1-12
精煤 Clean coal	200目占80%	50	800-930	18.2
氧化锌 Zinc oxide	200目占75%	67	620-1700	8.1-12
硫化锌 Zinc sulfide	200目占74%	66	400-420	5.6-6.3
磷精矿 Phosphate concentrate	200目占50%	50	400-600	10.0-12.0

## 陶瓷真空过滤机

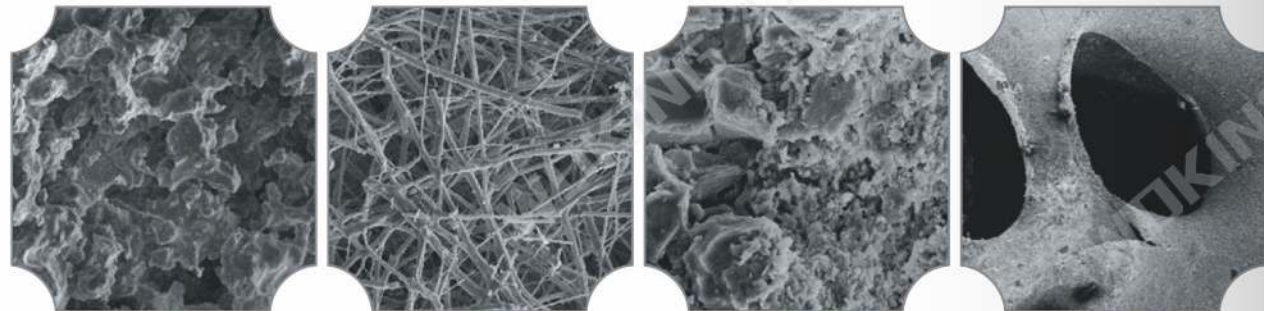


### 陶瓷滤板特点

Ceramic filter plate feature

CVF过滤器技术完全依赖于纳米陶瓷元素设计的发展驱动，目的是满足矿业生产过程的需要。陶瓷真空过滤器配有由陶瓷组成的圆盘二级修整板，它提供了液体浆料的去除通过陶瓷介质的毛细管作用。超级纳米改性的设计多孔结构和板式膜陶瓷滤芯，为矿产行业固液分离提供经济有效的解决方案。

The CVF filter technology is solely dependent on the development of the nano-ceramic element design driven by the exclusive objective of meeting the process needs of the mineral industry. Ceramic vacuum filters are equipped with discs each consisting of ceramic sector-shape filtering plates, which provide removal of the liquid from slurry by the capillary action of ceramic media. Woking's scientific know-how has lead to the design of superior Nano-modified porous structure and plate membrane ceramic filter elements thus providing the mineral industry with Cost Effective Solutions



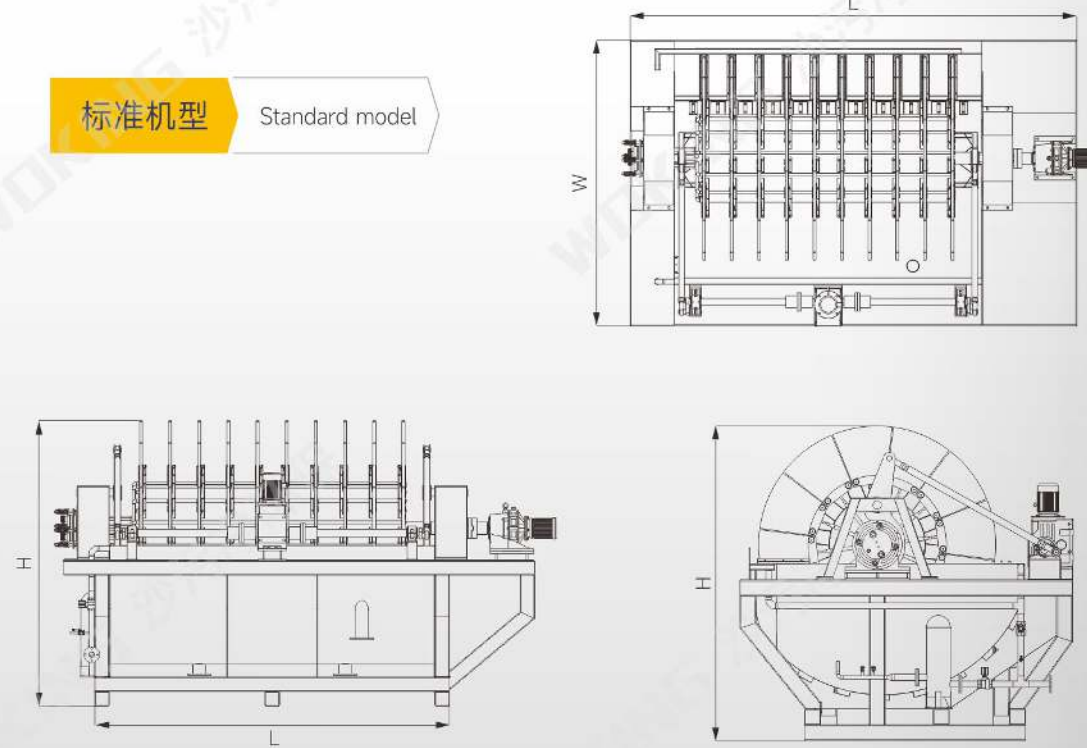
### 产品细节

Product details



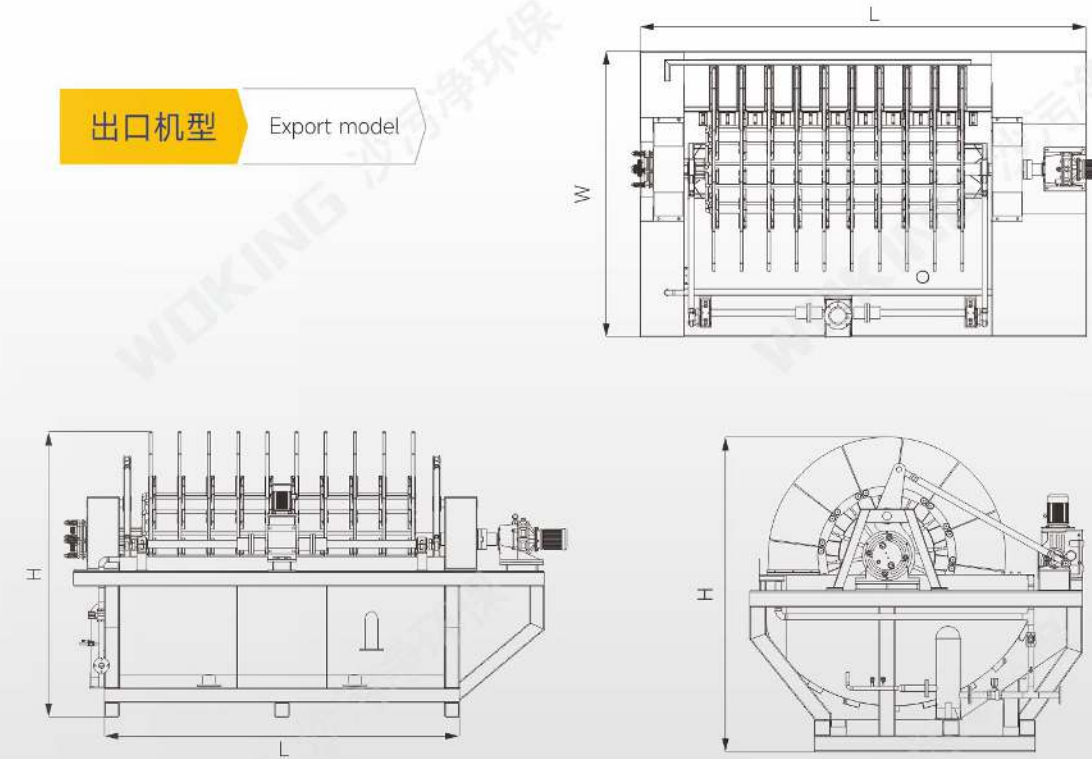
陶瓷真空过滤机

标准机型 Standard model



名称/规格	过滤面积(m <sup>2</sup> )	装机功率(KW)	运行功率(KW)	质量(T)	长(mm)	宽(mm)	高(mm)
Specification	Filter surface(m <sup>2</sup> )	Installed power (KW)	Running power(KW)	Weight(T)	L(mm)	W(mm)	H(mm)
WK-10	10	12.15	8.9	3.5	2150	2950	2850
WK-15	15	16.25	13	5	2450	2950	2850
WK-20	20	18.75	16	6	2750	2950	2850
WK-25	25	18.75	16	7.5	3050	2950	2850
WK-30	30	18.75	16	9	3350	2950	2850
WK-35	35	18.75	16	9.5	3650	2950	2850
WK-40	40	24.55	20	10	3950	2950	2850
WK-45	45	24.55	20	12	4250	2950	2850
WK-50	50	24.55	20	12	4550	2950	2850
WK60	60	35.9	29	15	5150	2950	2850
WK-80	80	48	39	18	6350	2950	2850
WK-100	100	60.8	48.5	20	8150	3850	3200
WK-120	120	70.4	56	24.5	9050	3850	3200

出口机型 Export model



型号	过滤面积(m <sup>2</sup> )	圈数	耗气量	额定处理量	主机功率	质量	尺寸(长×宽×高)
Model	Filter surface(m <sup>2</sup> )	Filter Plate Discs(discs)	Compressed Air Consumption(m <sup>3</sup> /min)	Outlet Capacity(t/h)	Installed Power(kw)	Weight(kg)	Overall Size(mm)
WKL-12	12	3	0.7	2	12.15	2700	2800×2300×2550
WKL-15	15	4	0.8	2.5	16.25	4500	3150×2300×2550
WKL-24	24	6	1	4	18.75	6000	3750×2300×2550
WKL-30	30	8	1.4	5	18.75	8000	4350×2300×2550
WKL-40	40	11	2.5	6	24.55	9500	4950×2300×2550
WKL-50	50	13	2.7	7	35.9	12000	5550×2300×2550
WKL-60	60	16	3	8	35.9	15000	6450×2300×2550
WKL-75	75	20	3.2	10	48	18000	7350×2300×2550
WKL-90	90	24	3.84	12	54	21000	8550×2300×2550



## 陶瓷真空过滤机

### 陶瓷过滤机主要部件 The main components

#### WK系列陶瓷过滤板 WK Ceramic Plate



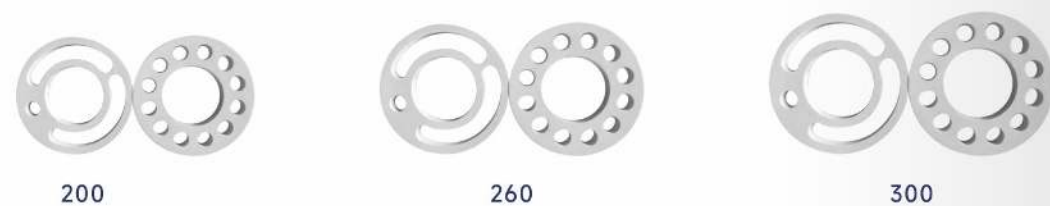
规格 Size	外型尺寸 Overall size					
2m <sup>2</sup> /12	L1=225	L2=165	L3=380	B=320	C=25	
3m <sup>2</sup> /12	L1=295	L2=239	L3=485	B=395	C=25-30	
4m <sup>2</sup> /12	L1=338	L2=276	L3=555	B=441	C=30	
5m <sup>2</sup> /12	L1=300	L2=240	L3=568	B=550	C=35	
6m <sup>2</sup> /12	L1=294	L2=235	L3=603	B=619	C=32	

#### 刮刀系列 Scraper Series



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



### 案例 Case



过滤机械制造商  
Filter Machinery Manufacturer

Vacuum disc filter

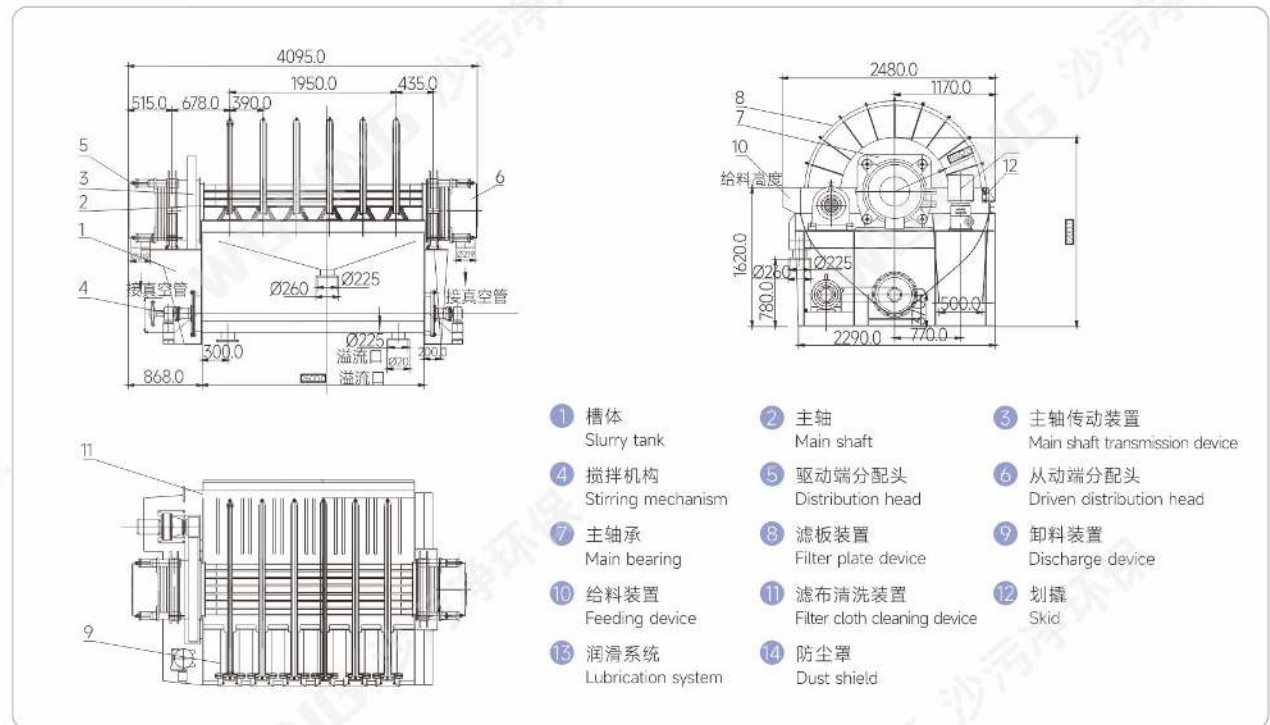
盘式真空过滤机



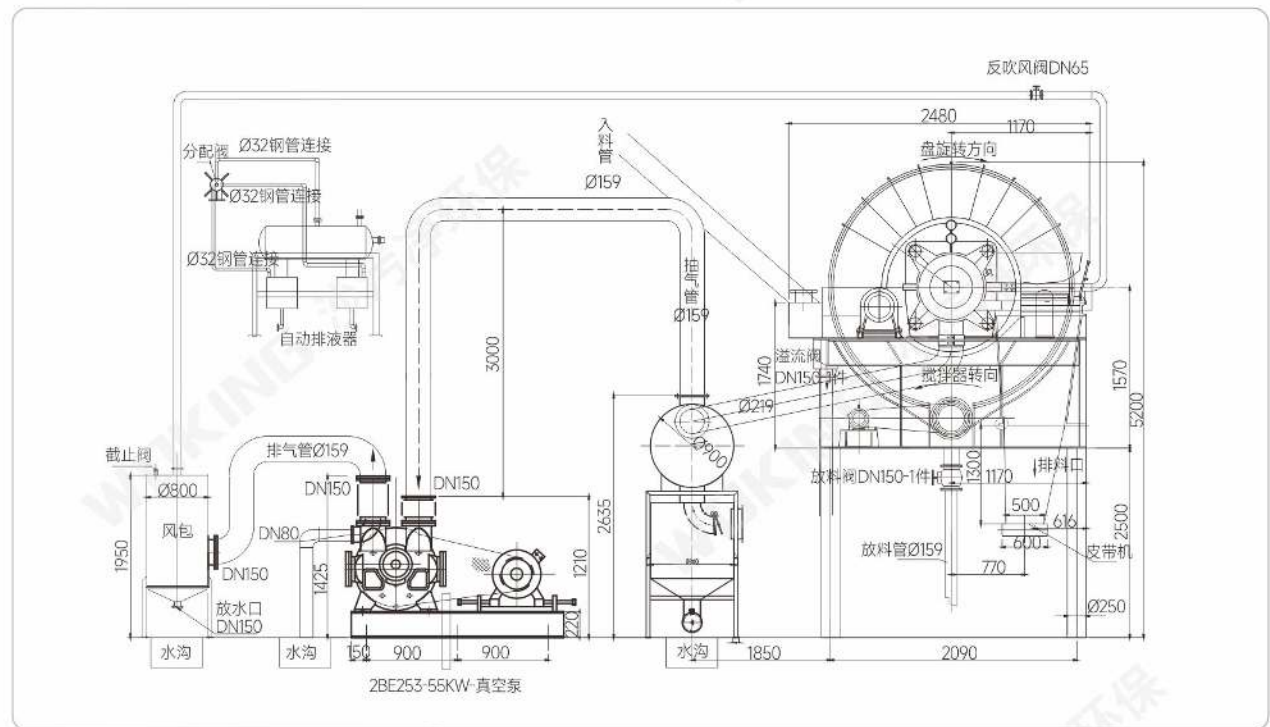
产品优势 Product advantages

- 扇形滤板脱水孔分布均匀，孔率合理，筋条尺寸大，由高强度工程塑料制成，寿命提高了1-1.5倍。  
The dewatering holes of the filter fan are evenly distributed, the porosity is reasonable, and the ribs are large in size. It is made of high-strength engineering plastics, and the service life is increased by 1-1.5 times.
- 耐磨锦纶、单或复丝滤布使脱饼率高且不易堵塞，使用寿命长。  
Abrasion-resistant nylon, single or multifilament filter cloth makes the high efficiency of cake removal rate and not easy to be blocked, and has a long service life.
- 主传动无级变速，依物料的浓度及速度调节（交流调速电机或变频器），以求达到理想的工作效果。  
The main drive is stepless variable speed, adjusted according to the concentration and speed of the material (AC speed regulating motor or frequency converter), in order to achieve the ideal working effect.
- 摩擦片采用特制耐磨铸铁，刚柔相济密封佳，使用寿命达到十年以上。  
The friction plate is made of special wear-resistant boron cast iron, which is rigid and flexible, and has a good seal. The service life can reach more than ten years.
- 滤液管为高强度耐磨陶瓷复合钢管，提高寿命10倍以上。  
The filtrate pipe is a high-strength wear-resistant ceramic composite steel pipe, which increases the service life by more than 10 times.
- 滤布自动清洗装置，保持了其良好的脱水效果。  
Filter cloth self-cleaning device maintains its good dehydration effect.
- 滤液管过流面大，分配头腹腔容积大，提高了抽气率和滤液排放效果。  
The flow surface of the filtrate tube and the volume of the distribution head are large, which improves the pumping rate and the filtrate discharge effect.
- 多点干油泵集中多点自动润滑。  
Multi-point automatic lubrication.
- 卧式强制高速搅拌，轴端采用橡胶及石墨盘和水压差三重密封不漏浆。  
Horizontal high-speed stirring, shaft end adopts rubber and graphite disc and water pressure difference to prevent slurry leakage.
- 每盘由20片扇形板组成，加强了过滤过程控制，成饼厚度均匀。  
Each plate is composed of 20 filter fans, which strengthens the control of the filtration process and makes the thickness of the cake even.
- 滤液管与滤扇接口去掉下法兰，采取模具定位直接焊接，减少了90%可能的漏气点。  
Direct welding replace of lower flange of interface between the filtrate pipe and the filter fan, which reduces 90% possibility of air leakage.

结构示意图 Structural diagram



工艺流程图 Process flow diagram

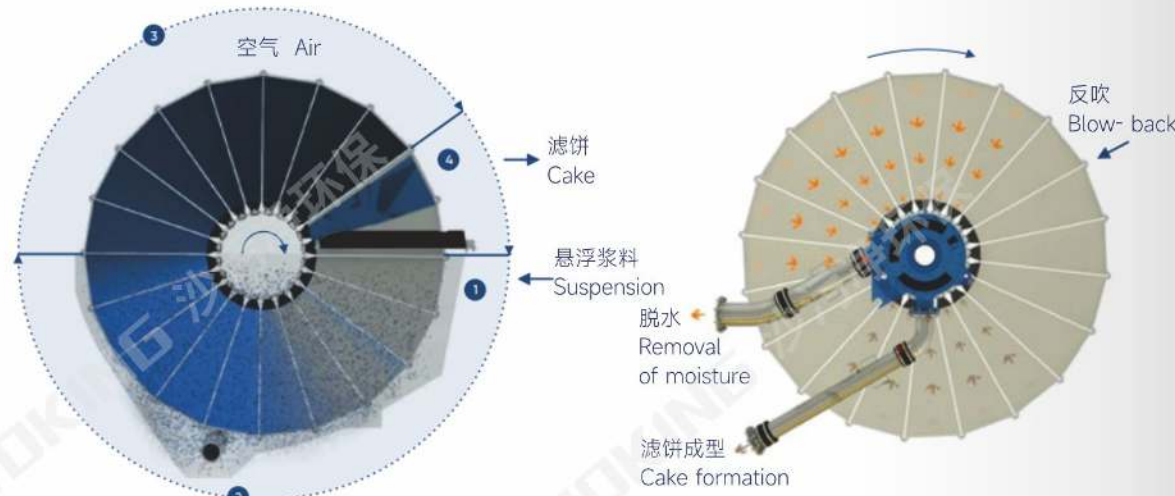


Vacuum disc filter

盘式真空过滤机

工作原理图 Working principle diagram

- ① 入料 Feed
- ② 滤饼成型 Cake formation
- ③ 脱水 Removal of moisture
- ④ 滤饼卸料 Cake discharge



内部工艺视图  
Internal process view

外部工艺视图  
External process view

Φ2000 系列盘式真空过滤机技术参数

项目	参数													
Specification	Parameter													
过滤面积(m <sup>2</sup> ) Filtration area	5	10	15	20	25	30	35	40	45	50	60			
滤盘直径(mm) Disc diameter	Φ2500													
滤盘数量(pcs) Number of filter plates	1	2	3	4	5	6	7	8	9	10	12			
主轴电机(kw) Spindle motor				4			5.5			5.5				
搅拌电机(kw) Stirring motor	3			4			5.5			7.5				
卸料方式 Discharge method	反吹风													
外形尺寸 Overall dimension	长L(mm)	2220	2610	3000	3390	3780	4170	4560	4950	5340	5730	6510		
	宽W(mm)	3150												
	高H(mm)	2725												
物料粒度(%) Material size	-200目≤95%													
处理能力 (th·m <sup>2</sup> ) Processing capacity	0.8-1.2th·m <sup>2</sup> (每平方米每小时处理铁精粉 0.8-1.2吨)													

Φ2500 系列盘式真空过滤机技术参数

项目	参数								
Specification	Parameter								
过滤面积(m <sup>2</sup> ) Filtration area	40	48	56	64	72	80	88	96	
滤盘直径(mm) Disc diameter	Φ2500								
滤盘数量(pcs) Number of filter plates	5	6	7	8	9	10	11	12	
主轴电机(kw) Spindle motor					7.5				
搅拌电机(kw) Stirring motor	5.5				11				
卸料方式 Discharge method	反吹风								
外形尺寸 Overall dimension	长L(mm)	4050	4470	4890	5310	5730	6150	6570	6990
	宽W(mm)								3350
	高H(mm)								3250
物料粒度(%) Material size	-200目≤95%								
处理能力 (th·m <sup>2</sup> ) Processing capacity	0.8-1.2th·m <sup>2</sup> (每平方米每小时处理铁精粉 0.8-1.2吨)								

Φ3100 系列盘式真空过滤机技术参数

项目	参数								
Specification	Parameter								
过滤面积(m <sup>2</sup> ) Filtration area	48	60	72	84	96	108	120		
滤盘直径(mm) Disc diameter	Φ3100								
滤盘数量(pcs) Number of filter plates	4	5	6	7	8	9	10		
主轴电机(kw) Spindle motor					7.5		7.5		
搅拌电机(kw) Stirring motor	5.5				11		15		
卸料方式 Discharge method	反吹风								
外形尺寸 Overall dimension	长L(mm)	4050	4750	5250	5750	6250	6750	7250	
	宽W(mm)								4300
	高H(mm)								3780
物料粒度(%) Material size	-200目≤95%								
处理能力 (th·m <sup>2</sup> ) Processing capacity	0.8-1.2th·m <sup>2</sup> (每平方米每小时处理铁精粉 0.8-1.2吨)								

»» 配件 Accessories



滤扇 Filter plate

滤布 Filter cloth

刮刀 Scraper

导向轮 Guide roller

案例 Case

过滤机械制造商 Filter Machinery Manufacturer



实验室及现场测试 Laboratory and field tests

沙污净环保技术服务团队，会使用CVF-0.02实验滤板对客户的浆料进行深度测试实验，已选择最佳的过滤方案。实验可以在客户现场或者实验室进行。

The Woking Research Department offers in-depth process analysis of all process slurry using either our CVF-0.02 Laboratory pilot plant filter or the bench-scale leaf filter. The preliminary research of slurry filterability is conducted at the testing laboratory unit under laboratory conditions or in the customers shops.



Make Green  
The Base Color Of The Mine  
让绿色成为矿山底色

实验结果理想，WK-0.2实验型整机设备进用于试产实验。WK-0.2可作为标准工业化机型使用。

When on test results are positive, then the laboratory test using the WK-0.2 testing filter with a filtering area 0.2 m<sup>2</sup> is performed. The WK-0.2 is an industrial filter.

