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上海奥德水处理科技有限公司

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您最可靠的污泥处理专家

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污
泥
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奥
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- DYH系列转鼓浓缩脱水一体机
- DYI系列植毛带式污泥脱水机
- DY系列带式浓缩脱水一体机
- 高分子自动泡药系统
- 高压及快开自动厢式压滤机
- 法国PCM螺杆泵, 干污泥输送泵。
- DYH series rotated-drum concentrated dehydrator
- DYI series plant-hair belt sewage dehydrator
- DY series belt-concentrated dehydrator
- Flocculation preparation system
- High pressure & rapid-opening automatic Van Filter Press
- France PCM screw pump, dry-mud transportation pump

上海奥德® 水处理科技有限公司

SHANGHAI ORCHID ENVERIONTEC CO.,LTD



奥德科技简介

奥德水处理科技公司为工贸结合的环保高科技实体，总部设在上海，注册于上海莘闵留学生创业园，致力于把先进的污水处理设备尤其是污泥处理设备介绍给中国。

凭借丰富的污泥系统处理经验，我们可以根据污泥的性质配置一套最合理的处理系统。

公司主营项目包括环保设备制造、销售及水质分析仪器销售。自主研发了DYI系列植毛纤维带式污泥脱水机，DYH系列转鼓浓缩脱水一体机，Py系列高分子自动泡药机，OS系列刮油机。

Brief introduction of ORCHID

Orchid science and technology is a specialist in protecting of environment,the headquarters is in Shanghai and entrolled in Xinmin carve out garden of student abroad of Shanghai, committed to advanced wastewater treatment equipment, particularly sludge processing equipment introduced to China.

By right of abundance experience in sewage process, we are able to collocate most logical system from automatic feeding drug to sewage transportation, according to the character of sewage.

The company's main project includes environmental protection equipment manufacturing, sales, and water quality analysis equipment sales. DYI series self-developed hair fiber plant belt-sludge dewatering machine , DYH series Drum concentrated series of integrated dehydration, Py series of automatic macromolecule drug-dunking machine, OS Series oil separator.

我们的经营理念：上善若水 至诚若拙



产品介绍

- 主营:** ■ 污泥脱水系统 (专利证书号: ZL2005 20040823.3)
- 进口全自动厢式压滤机
 - 转鼓浓缩脱水一体机
 - 静电植毛带式污泥脱水机
 - 高效水处理药剂
 - 螺旋输送机
- 干粉自动投加系统 (专利证书号: ZL2006 10026021.6)
- 高分子自动泡药机
 - 在线稀释装置
 - 高精度干粉投加头 (精确度 $\pm 1\%$)
 - 环保行业独家专业干粉真空上料机
- 过滤系统系列
- TEKLEEN全自动自清洗过滤器
- 油水分离系统
- 带式刮油机
 - 奥地利FREYLIT油水分离器
- 加药泵系列
- 法国PCM螺杆泵
 - 日本Nikkiso Eiko机械隔膜泵
- 分析仪器部门
- 德国Pisco
 - 瑞士Hamilton
 - 台湾AI-ON



Product Introduction

- Main products:** ■ Sewage dehydrate system (patent number ZL2005 20040823.3)
- Imported automatic compartment-type press filter
 - Rotated-drum concentrated dehydrator
 - Plant-hair belt sewage dehydrator
 - High effect medicament of water process
 - Screw transportation machine
- Automatic Powder addition system(patent number ZL2006 10026021.6)
- Online dilution device
 - Automatic macromolecule dunk medicament machine
 - High precision powder addition caput (definition $\pm 1\%$)
 - Environment-protecting industry single specialty powder vacuum machine
- Filtration series system
- TEKLEEN Fully automatic self-cleaning filters
- Oil separator system
- plant hair-belt oil separator
 - Austria FREYLIT plate-pack oil separator
- Add-drug pump series
- France PCM screw pump
 - Japan Nikkiso Eikoengine septum pump
- Analyse apparatus series
- Germany Pisco
 - Swiss Hamilton
 - Taiwan AI-ON



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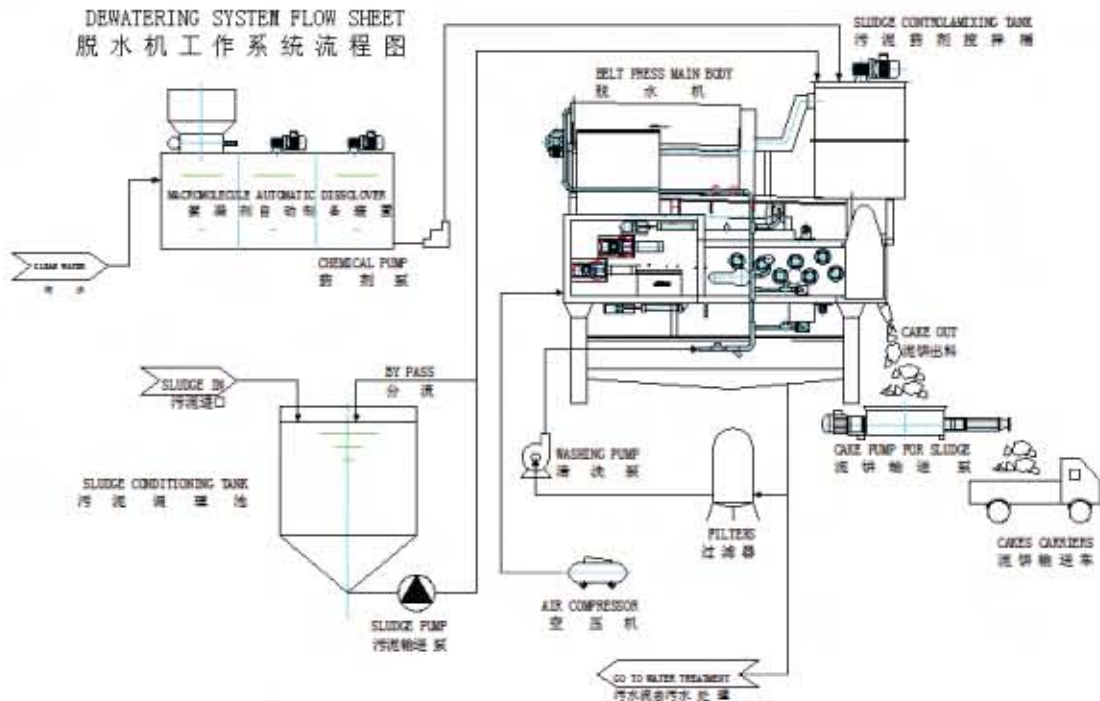
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污泥脱水处理系统流程图
Sewage dehydrate
process flow chart



典型物料脱水的性能参数（供参考）

污泥类别	物料特点	进料含水率	泥饼含水率	处理难度	絮凝剂用量 g/kg.ds	适用机型
市政污泥 (有预浓缩)	有机污泥 有一定黏度	97%~99%	78%~86%	一般	3-5	DY DYH
市政污泥 (未预浓缩)	有机污泥 有一定黏度	99%~99.6%	78%~86%	较难	4-6	DYH
电厂脱硫污泥	含固率高	90%~95%	65%~80%	较易	-	厢式压滤机
硅藻土工艺污泥	污泥量大 黏度高	97%~99%	78%~85%	难	3-5	DYI
化工厂污泥	难絮凝	97%~99%	78%~86%	难	4-7	DYI
汽车厂污泥	有涂装废水 絮凝性差	97%~99%	78%~86%	难	4-7	DYI
含油污泥	不易絮凝 黏度高	97%~99%	78%~86%	难	5-10	DYI
冶金矿山矿浆	量大, 不可加药	40%~60%	20%~25%	一般	-	厢式压滤机
啤酒厂污泥	易絮凝, 可回收	97%~99%	78%~82%	易	3-5	DYI DY
印染厂污泥	混合污泥 黏度高	97%~99%	78%~86%	较难	4-6	DY DYI
制革厂污泥	混合污泥 絮凝好	96%~98%	78%~84%	较难	3-5	DYH DYI

Capability parameter of Representative
materiel dehydration （for consulting）

sewage sort	Material trait	Moisture content of the feed	Sewage Cake water rate	Disposal difficulty	Flocculated Drug dosage g/kg.ds	Apply machine
Municipal sludge concentratio	Organic sludge Certain viscosity	97%~99%	78%~86%	Commonly	3-5	DY DYH
Municipal sludge (Nopre-concentration)	Orga nic sludge Certain viscosity	99%~99.6%	78%~86%	A little difficult	4-6	DYH
Power plant desulfurize sludge	Soild containing high rate	90%~95%	65%~80%	A little easy	-	Compart ment filter
Doatomite sludge	Sludge large volume High viscosity	97%~99%	78%~85%	Difficult	3-5	DYI
Chemical plant sludge	Hard flocculate	97%~99%	78%~86%	Difficult	4-7	DYI
Automobile plant sludge	Painting wastewater Poor flocculation	97%~99%	78%~86%	Difficult	4-7	DYI
Oil sludge	Hard flocculation High viscosity	97%~99%	78%~86%	Difficult	5-10	DYI
Metallurgical mines pulp	Large quality	40%~60%	20%~25%	Commonly	-	Compart ment filter
Beer plant sludge	Easy flocculate, reclaim	97%~99%	78%~82%	Easy	3-5	DYI DY
Printing and dyeing plant sludge	Mixing sludge High viscosity	97%~99%	78%~86%	A little difficult	4-6	DY DYI
Tannery sludge	Mixing sludge Good flocculate	96%~98%	78%~84%	A little difficult	3-5	DYH DYI

DYH系列转鼓浓缩脱水一体机

DYH series rotated-drum concentrated dehydrator



产品特点:

1. 采用 转鼓筛网浓缩系统，可适应低含固率污泥处理，省去污泥浓缩池，大大减少占地，节约投资费用。
2. 滤布驱动器无级变速，可控制污泥处理量和含水量。
3. 侧板密封式结构，水切割一次成型，确保机台耐腐蚀、无侧漏。
4. 标配PLC自动控制系统。
5. 进口滤布，SUS316接口，使用寿命更长。
6. 智能控制自动清洗系统，用水更省。
7. 超长挤压段设计，泥饼含固率高。

Product feature:

1. Using drum sieve thickening system can adapt to a low solid content sludge treatment, eliminating sludge thickening tank, greatly reducing land, saving investment costs.
2. Filter driver of the machine without speed, you can control the sludge treatment and water content.
3. Sideboard enclosed structure, forming a cutting water to ensure that the plant corrosion resistance, no side missed.
4. Standard PLC Control System.
5. Import filter material, SUS316 interface, longer life.
6. Intelligent Control automatic cleaning system, a more efficient use of water.
7. Squeeze the design of super-long, mud cake with a high rate of Solid.

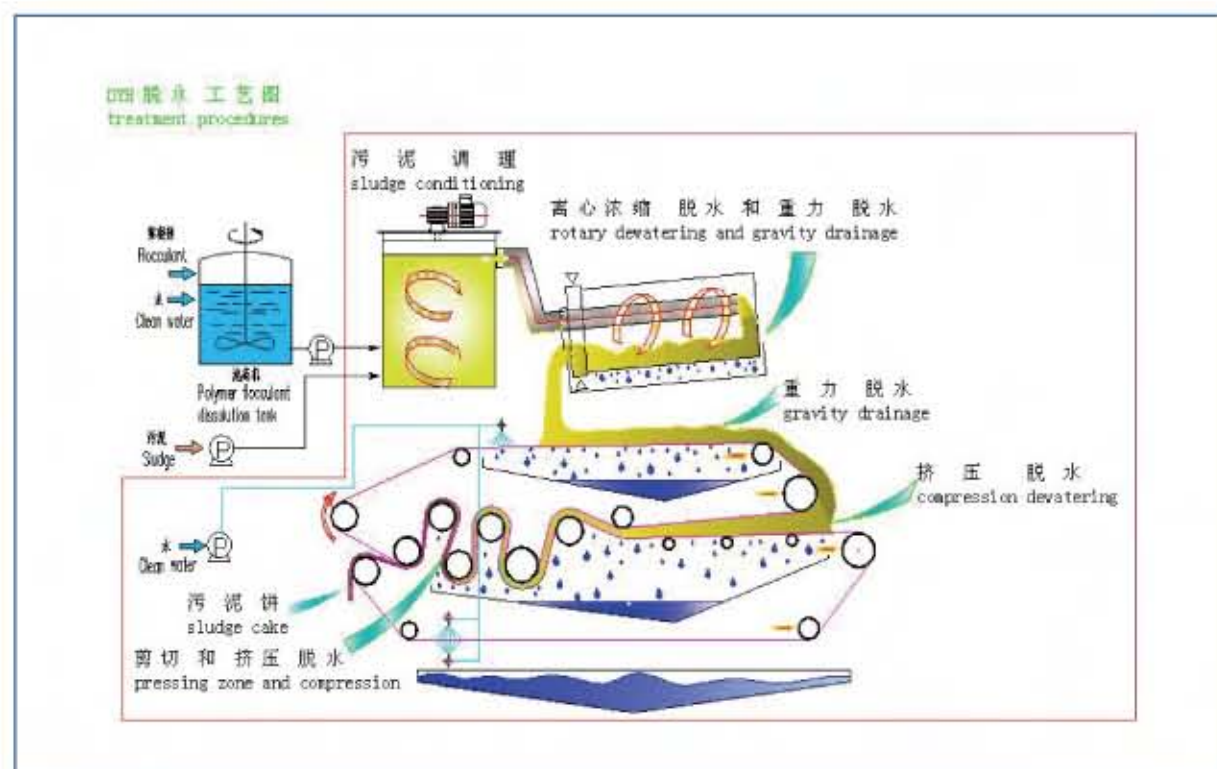


工作原理及构造:

1. 污泥在进入转鼓浓缩带式脱水一体化设备之前，通过絮凝剂制备投加系统将高分子絮凝剂打入混合反应槽中。
2. 在混合反应槽中，污泥与高分子絮凝剂经搅拌充分混合，污泥由微细颗粒迅速凝聚成大颗粒，并形成网状结构的大团絮凝体，然后进入缓慢旋转的预脱水转鼓中。在污泥被特殊装置运输到转鼓末端的过程中，大部分游离水通过滤布得以释放，达到浓缩效果，出水由过滤槽收集而与固体污泥分离。
3. 经过预脱水的污泥由斜坡滑到带式压滤机的上部滤带上，然后传输到下部滤带。在上、下滤带之间，由于逐步增压和剪切力的作用使污泥进一步脱水后排出。
4. 污泥的产量和干度可由无极变速装置控制，清洗用水量可由液位控制系统调节。

Working principles and the structure :

1. Sludge concentration entering the drum belt dewatering equipment integration, Preparation through flocculant dosing system will be mixed into the polymer flocculant reaction vessel.
2. In the mixing reaction vessel, sludge and polymer flocculant mixed by stirring, Fine particles of sludge from the rapid rally agglomerate to bigger particles, and reticular formation and structure of the big corporations floc, then enter the expected slow rotating drum which dehydration. The sludge was transported to a special device drum ends of the process, most of the free water was released through the filter cloth, Concentrated achieve results, the effluent from the filter and the collection tank sludge and solid separation.
3. After the pre-dewatering sludge from the ramp slip back belt press filter onto the upper, then the lower part of the transmission belt filter. In the upper and lower bands filter, and gradually boosting the role of shear stress, sludge dewatering further after discharge.
4. Sludge production and stem degrees can be limitless speed control device to clean water supplied from Level Control Systems.



标准配备:

主机体
转鼓浓缩系统
电控箱
空气压缩机

Standard Equip:

Mainframe
Drum-concentrate system
Electrical-control box
Air compressor

选配:

污泥输送泵
絮凝系统
清洗泵
污泥输送装置

Select Matching:

sludge feeding pump
floculate system
cleanout pump
sludge feeding devic

应用行业:

该机型能耗低, 泥饼含水率低, 适用于一般规模工厂及城市污水处理厂等污泥处理, 尤其是进泥浓度较低, 而出泥要求含固率较高的情况。

Appliance industry:

The type of low energy consumption, mud cake with low moisture content applicab-
le to the general scale factories and municipal sewage treatment plants on sludge
treatment, Progressive mud is especially low concentration, but a solid containing
mud requirements of the higher rate.

质量保证:

进口电机及减速机
施耐德或同档电控系统
欧姆龙纠偏装置
格兰富清洗水泵
全不锈钢 (SUS304或316) 架构、定制之不锈钢 (SUS304或316) 轴承座。

Guarantee of quality

Imports of motor and reducer
Schneider Brand Electric control system
Omron Brand rectify system
Grundfos Brand cleaning pump
All unit SUS304 and axietree also, well organized system assure all machine enable to counteract canker
and no leak.



技术参数:

Technique parameter:

型号 model	滤布宽度 Belt width (mm)	处理量 Processing capacity (kg.ds/hr)	含水率 Dehydrated cake moisture percentage	功率 Motor (kw)	重量 Weight (kg)	耗水量 Cleaning water consumption m ³ /hr	材质 Material	外型尺寸: Overall size (mm)				
								长(A) L	宽(B) W	高(C) H	出口高 (D)	转鼓直径 Drum diameter
DYH-500	500	50-120	70%-80%	1.2	1030	4.0	SUS304	2520	1120	2300	620	750
DYH-800	800	70-210	70%-80%	1.5	1320	5.0	SUS304	2520	1350	2300	620	750
DYH-1000	1000	90-230	70%-80%	2.5	1610	6.0	SUS304	2730	1600	2630	620	1250
DYH-1500	1500	110-320	70%-80%	2.5	1930	7.0	SUS304	2730	2000	2630	620	1250
DYH-2000	2000	170-570	70%-80%	3.3	2800	9.5	SUS304	3600	2300	2630	620	1500
DYH-2500	2500	250-680	70%-80%	3.3	3200	11.5	SUS304	3600	3000	2630	620	1500

备注:

该功率不含清洗泵功率, 不含空压机功率

清洗水可使用回用水

处理量及泥饼含水率因行业的不同略有差异.

以上机型, 本公司标准材质为SUS304不锈钢, 并附材质出厂品质证明书, 也可按用户要求采用SUS316L

以上图纸资料, 本公司有电子版本, 欢迎索取

以上安装技术, 无须基础, 无须预埋件及地脚螺栓

机型尺寸变更时, 恕不另行通知

Remark:

Non-cleansing power of the pump power, non-power air compressor power

Clean water can be used to wash

Processing Capacity and moisture percentage would have few difference in different industry.

For above blueprint, we also have the electron edition, welcome to apply.

Above mounting technique, no need to reparation and bolt.

Above unit, electron and rectify could be applied per requirement.

Above unit, standard medium is SUS304, and guarantee attached.

工程实例:

本公司泰兴开发区化工污水处理效果

Engineering examples :

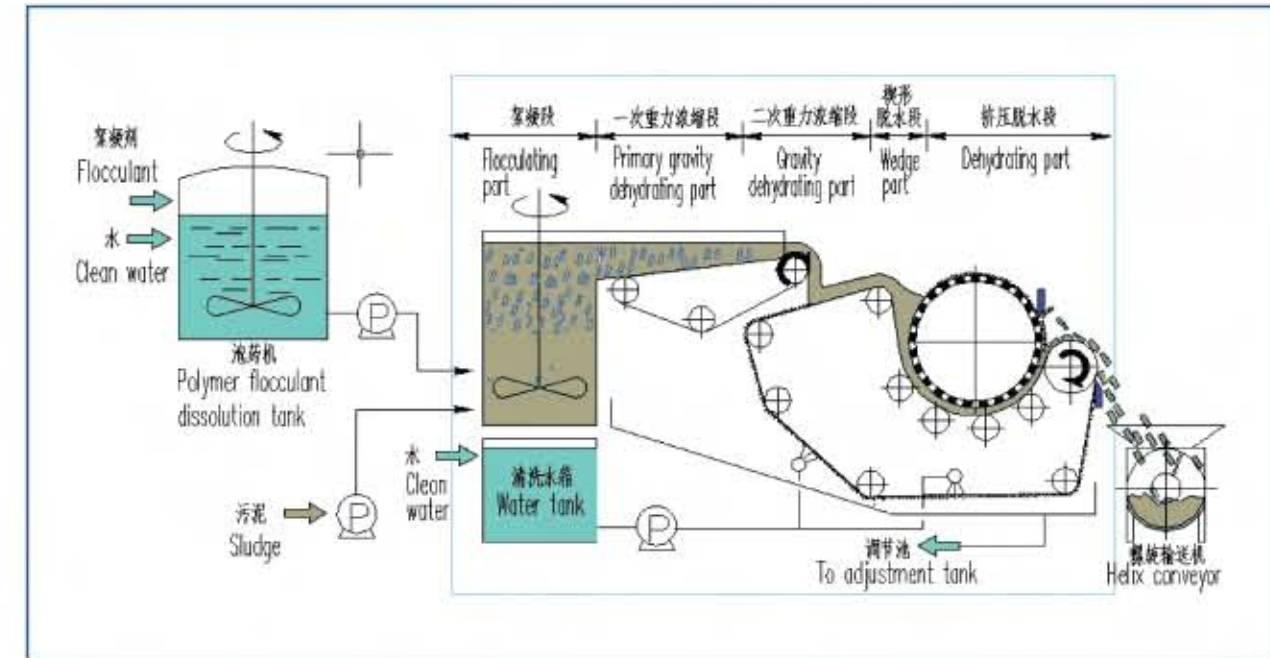
The company Taixing industrial zone wastewater treatment



机型: DYH-1000, 进泥含水率99%, 泥饼含水率77%, 处理量160kg.ds/hr

DYI系列静电植毛带式污泥脱水机

DYI series plant-hair
belt sewage dehydrator



Introduction of Static Belt Filter Press

特色：采用独特的方向性静电植毛滤带

Features: Unique standing fibers have a certain direction

优点：滤带空隙是常规滤带的数值大，可更快的过滤水分，并且易于清洗。

Advantage: Interspace of the belt is several times bigger as the normal one, the water filtrate faster and easily to clean.

由于表面有方向性植毛，可有效阻止污泥的流失。

The directivity fibers on the surface, could prevent run down of the suspended solid.

污泥不粘滤布，易于剥落，可减少清洗水用量。

The solid is not stained with belt easily to flake, and reduce the cleaning water quantity.

技术特点:

DYI型带式污泥脱水机,是三滤带式静电植毛污泥脱水机, 由于滤布的独特优势, 可轻易处理油泥, 硅藻土污泥等常规带机无法处理的污泥, 同时具备能耗低, 占地小, 维修简便等优点。

Technical features:

DYI series plant-hair belt sewage dehydrator is three-belt plant-hair belt sewage dehydrator ,owning to the spacial advantage of the filter cloth, can easily handle sludge, sludge diatomite with conventional aircraft are unable to deal with the sludge, with low energy consumption, small area, maintenance easy.



质量保证:

德国SEW或同档电机及减速机

施耐德或同档电控系统

欧姆龙纠偏装置

格兰富清洗水泵

全不锈钢架构、定制之不锈钢轴承座，严密的密封措施，确保机台耐腐蚀、无侧漏。

Guarantee of quality

SEW Brand electric machinery and reduction drive

Schneider Brand Electric control system

Omron Brand rectify system

Grundfos Brand cleaning pump

All unit SUS304 and axletree also, well organized system assure all machine enable to counteract canker and no leak.



标准配备:

主机体
电控箱
清洗泵
空气压缩机

Standerd Equip:

Mainframe
Electrical-control box
cleanout pump
Air compressor

选配:

污泥输送泵
絮凝系统
污泥输送装置

Select Matching:

sludge feeding pump
flocculate system
sludge feeding device

应用行业:

适用于要求占地小,噪音小,整洁卫生,管理操作简单,以及分离难度大的行业,如,石油,化工,房产,电子,酒店,小区污水,汽车火车修理产生的油泥等。

Application field:

It is applied for below requirement contain and noise few, clean and easy to operate, and also for the industry that difficult to apart, e.g.: petroleum, chemical, house property, electron, cabaret, waste water of residential area, and also for the greasy stain of repair auto car and train.

上海新客站机务段工程实例

本处为纯油泥,属于极难处理污泥,同时场地有限,卫生要求高.由于槽毛滤带的特长,因此纯粹的油泥也可以轻易处理.

The example of train station

It is the totally greasy stain, attribute to the most serious solid, the ground is so small and highly sanitary requirements, for the synthetic fiber 's strong suit, so it is easy to handle also.



机型: DYI-600, 进泥含水率99%, 泥饼含水率83%, 处理量60kg.ds/hr

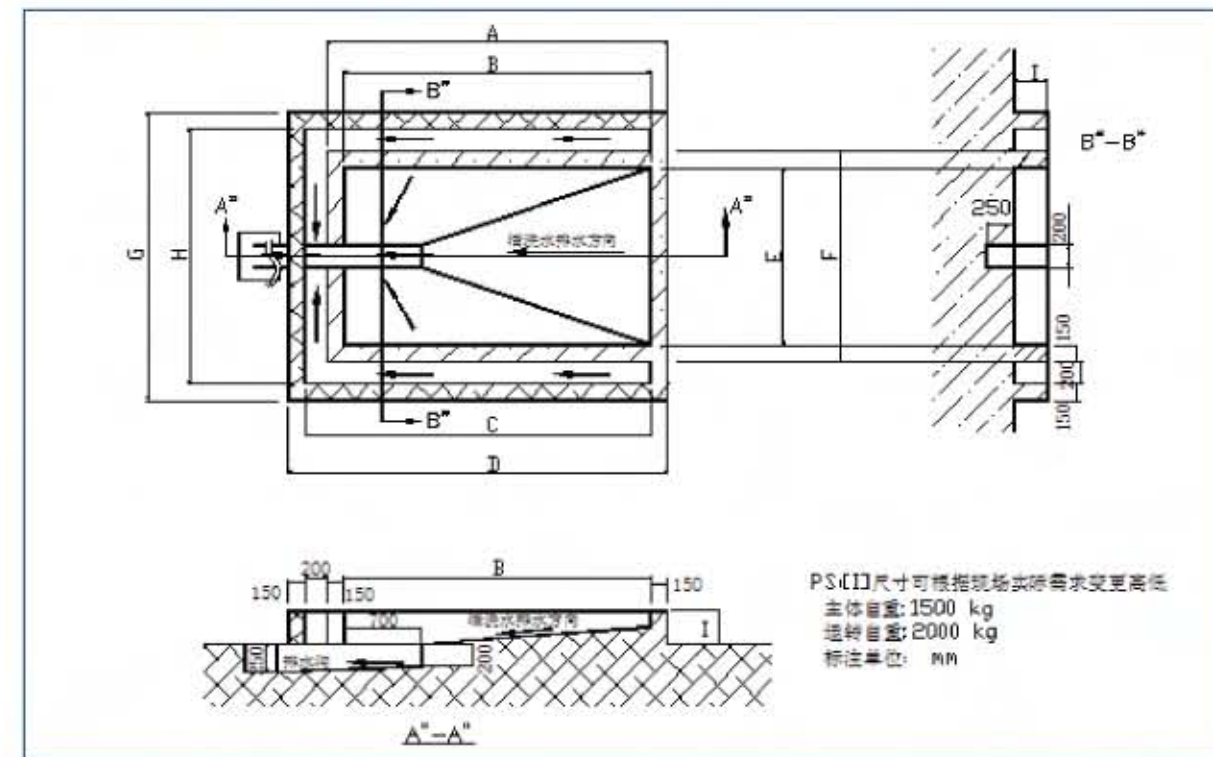
技术参数:
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								长(A) L	宽(B) W	高(C) H	出泥口高 (D) (D)
DYI -600	600	30—100	70%-80%	1.3	600	3	SUS304	2200	1000	1600	640
DYI -800	800	50—120	70%-80%	1.4	750	3.8	SUS304	2200	1200	1600	640
DYI -1000	1000	80—180	70%-80%	1.6	1350	4.6	SUS304	3100	1500	1600	300
DYI -1500	1500	100—260	70%-80%	1.9	1680	5.5	SUS304	3100	2000	1600	300
DYI -2000	2000	150—320	70%-80%	3.3	2800	7	SUS304	3700	2500	1800	300
DYI -2500	2500	250—480	70%-80%	3.3	3200	9	SUS304	3700	3000	1800	300

备注: 该功率含清洗泵功率, 不含空压功率
清洗水可使用回用水
材质可按用户要求采用SUS316L

Note :cleansing power of the pump power, non-power air compressor power
Clean water can be used to wash
Users may request materials used SUS316

脱水机基础图
The table for the dimension



脱水机基础尺寸列表 Filter Press Base Dimensions

单位(Unit): mm

型号 Type	A	B	C	D	E	F	G	H
DYI-1000	2700	2400	2750	3050	1050	1350	1950	1650
DYI-1500	2700	2400	2750	3050	1550	1850	2450	2150
DYI-1800	2700	2400	2750	3050	1850	2150	2750	2450
DYI-2000	3500	3200	3550	3850	2050	2350	2950	2650
DYI-2500	3500	3200	3550	3850	2550	2850	3450	3150

备注:

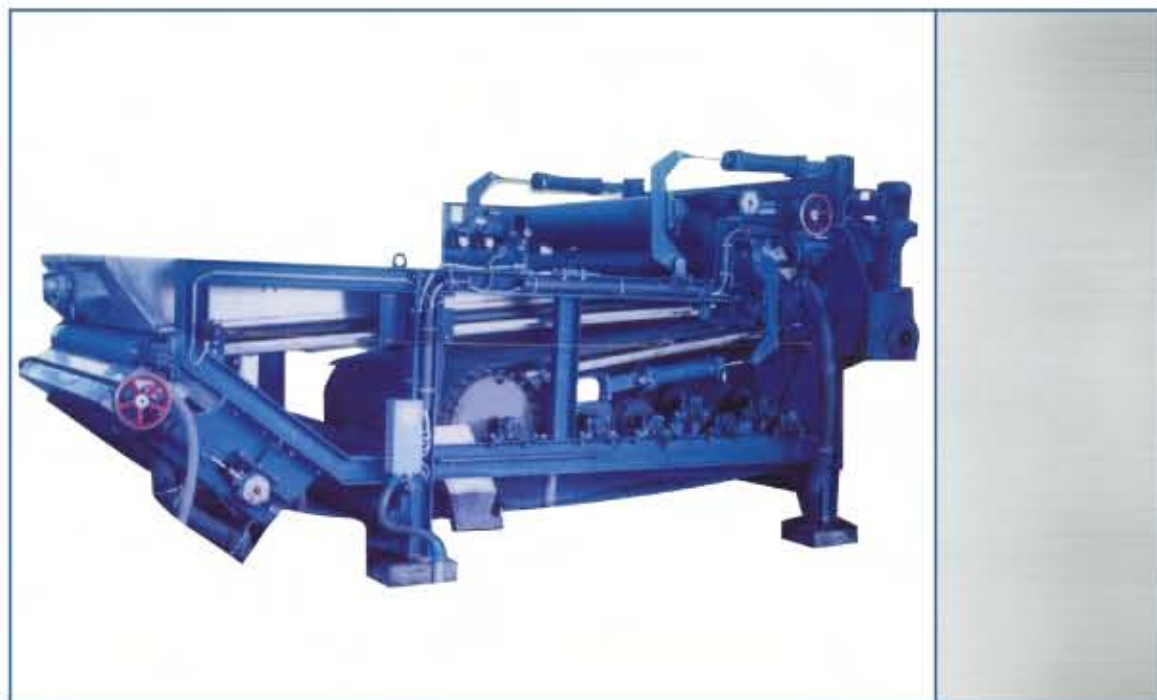
1. 以上图纸资料, 本公司有电子版, 欢迎索取
2. 以上安装技术, 无须预埋件及地脚螺栓
3. 以上机型, 本公司标准材质为SUS304不锈钢, 并附材质出厂品质证明书, 也可按用户要求采用SUS316L
4. 以上机型, 基础为混凝土结构电子版基础图备索
5. 机型尺寸变更时, 恕不另行通知

Remark:

1. For above blueprint, we also have the electron edition, welcome to apply.
2. Above mounting technique, no need to reparation and bolt.
3. Above unit, standard medium is SUS304, and guarantee attached.
4. Above unit, beton foundation already exist.
5. Without notify when those machine subject to change.

DY系列带式浓缩脱水一体机

DYseries Belt-concentrated dehydrator



技术特点:

污泥浓缩机与污泥脱水机相结合,可节省污泥浓缩池,对各种稀污泥有很强的适应性
超长的重力浓缩区和挤压脱水区,处理量大
采用回转式汽缸清洗技术,清洗能力强,滤布清洗均匀,所需水量少
大型框架式结构,坚固耐用,易检修
采用气弹簧张紧和调偏,精度高,故障率低

Technical features:

Thickener sludge and sludge dewatering machine combined savings of sludge thickening tank, the various Dilute sludge is a highly adaptive.
Supernatural gravity concentration and the extrusion dehydration, handling a large volume.
Using rotary cylinder washing, cleaning ability, uniform cleaning filter cloth, needed less water.
Large frame structure, durable and easy to repair.
Using gas spring tension and bias, high precision and low failure rate.

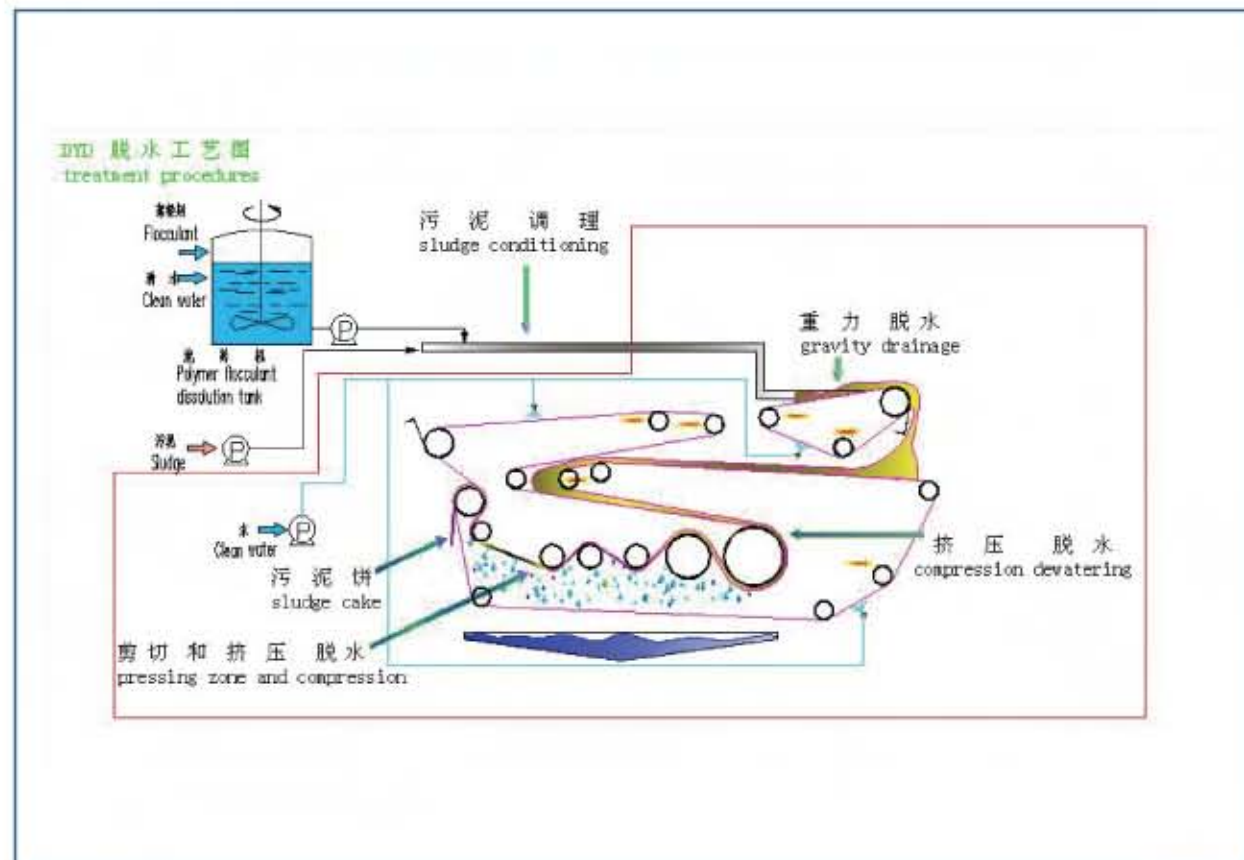
工艺流程

- 1.重力脱水区: 物料进入料箱, 经过料箱的折流除砂后均匀的布在重力脱水区的网带上, 依靠重力的作用, 脱出介质中的游离水。
- 2.楔形脱水区: 物料进入楔形脱水区后, 经过该段轻微的挤压脱水, 使介质的流动性完全丧失, 从而保证物料进入回旋脱水区是不会被压溃, 重力脱水区及楔形脱水区的网带依靠脱水板或导网辊支撑。通过该区段时两侧用封浆器防止浆料的流失。
- 3.回旋脱水区: 该区段主要依靠上下网带重合, 中间夹住介质, 通过网带的张力和网带绕回辊产生的挤压力, 挤出水分。
- 4.压榨脱水区: 该区段采用对辊偏心挤压的方法, 使局部产生高压, 从而提高介质浓度, 完成固液分离。加压方式一般为气动加压。

Technique process:

- 1.Gravity dehydration areas : materials into a bin after bin of Baffle Desanding uniform after Bush gravity dehydration in the net belt Gravity on the role of the media stepped out free water.
- 2.Wedge dehydration areas : materials into wedge dehydration zone, after the extrusion of minor dehydration, enable mobile media completely lost, thereby ensuring materials into the roundabout dehydration District will not be crushed, Gravity dehydration and dehydration wedge with the network rely on the board or dehydration I. Roll network support. Through the zone when both sides used to prevent the closure pulp slurry for the loss.
- 3.Roundabout dehydration District : The next section on the main network with coincidence, in the middle clamping medium, through the net with the tension band around the net and roll back the extrusion pressure, extrusion water.
- 4.Dewaterer areas : the use of Section roll extrusion eccentric ways in which local produce high pressure, thereby increasing media concentration complete solid-liquid separation. Pressure normally for pneumatic compression.

工作原理图 Work principle chart



品质保证

- 机架：采用优质碳素钢板折弯成形及焊接。表面采用先进的防腐技术处理，最后涂装，既防腐又美观。
- 辊体：以厚壁钢管为主体采用烘装工艺制成毛坯辊，辊体外圆、端面、轴头全部挂耐腐蚀胶，而且在靠近轴承的部位设有防水台。以保护轴承。对被处理介质有特殊要求的辊体，采用不锈钢包覆或NIP合金镀层处理。
- 脱水板：采用高分子PEA板中间钻孔，该脱水板具有硬度高，耐磨性好，耐腐蚀和聚酯网之间的摩擦小等优点，主要安装在重力脱水区和楔形脱水区。
- 封浆装置：采用聚氨酯材料制成，既具有一定的弹性又有一定的耐磨性，安装在楔形脱水区以防止浆料流失。

Quality Assurance

- Rack : Bending quality carbon steel forming and welding. Surface application of advanced anti-corrosion technology, with the final painting, both preservation and aesthetically pleasing.
- Roller : A thick-walled pipe for the main process equipment used scones made from rough roller, roller vitro round face, the first axis linking corrosion resistant plastic. Bearing in close to the site with waterproof Taiwan. To protect bearings. To be treated with special media have requested the body roll, use stainless steel or coated alloy coating treatment NIP.
- Dehydration plate : PEA board polymer intermediate drilling, the dewatering plate with high hardness and good wear resistance. corrosion resistant polyester net and friction between the small advantages, such as the installation of the gravity main dehydration dehydration and the wedge area.
- To prevent the loss of slurry: polyurethane material, we have a certain degree of flexibility is definitely the wear resistance, Wedge dehydration installed in the area to prevent the loss of slurry.

标准配备:

主机体
转鼓浓缩系统
电控箱
空气压缩机

Standard Equip:

Mainframe
Drum-concentrate system
Electrical-control box
Air compressor

选配:

污泥输送泵
絮凝系统
清洗泵
污泥输送装置

Select Matching:

sludge feeding pump
floculate system
cleanout pump
sludge feeding device

应用行业:

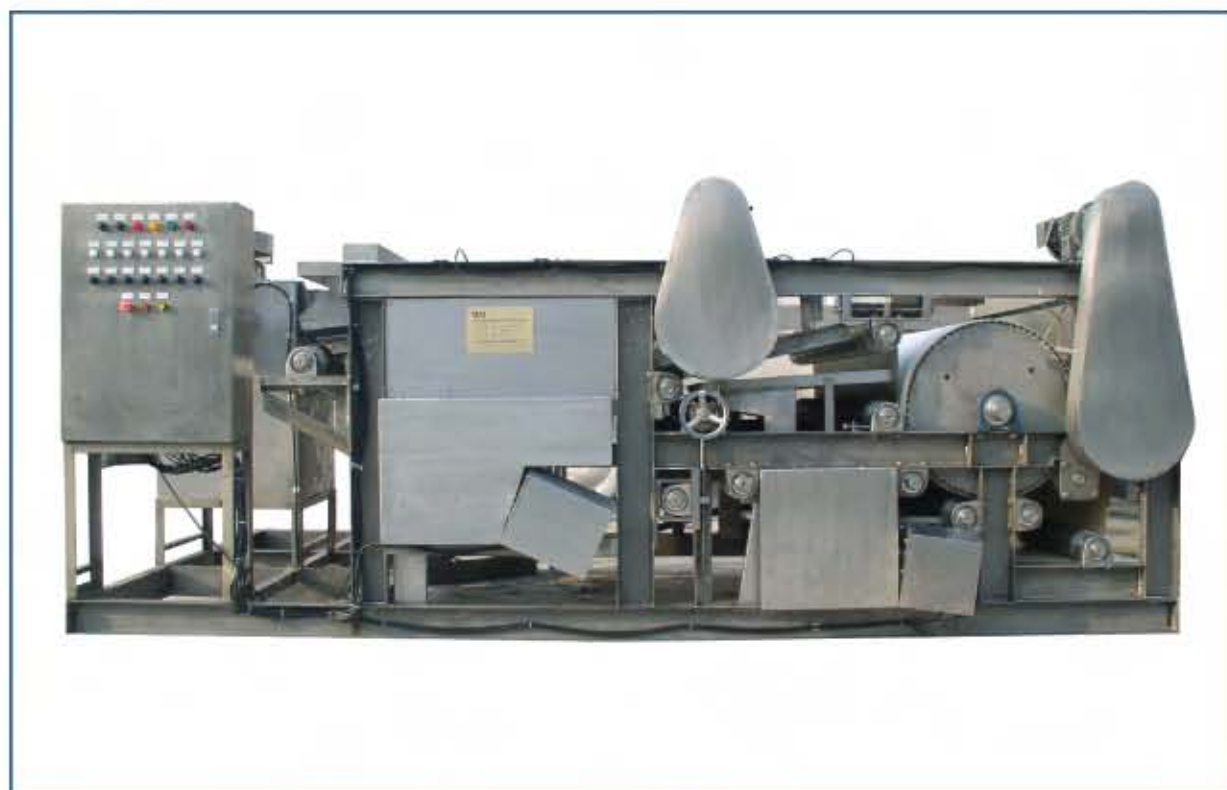
- 1.适用于大型市政污水,大型工厂及冶炼厂以及对污泥含水率有严格要求的项目,如冶金工业,钢铁工业,自来水厂,气体脱硫。
- 2.适用于污泥量大,进泥浓度低的项目。如造纸、化纤、制糖、酿造等行业。包括未进行污泥浓缩的市政污水。

Application Industries :

- 1.Apply to the large municipal sewage, large factories and smelters and the moisture content of the sludge, there are strict requirements for the project, If metallurgical industry, the steel industry, water works, gas desulfurization.
- 2.Apply to the large volume of sludge, the sludge into a low concentration of items such as paper, fiber, sugar, and brewing industries. Not include sludge thickening for the municipal wastewater.

工程实例:

本公司供应中国锦都一金昌的DY-2500型脱水机
The press we offer the Jin Chang city



机型: DY-2500, 进泥含水率98%, 泥饼含水率79%, 处理量1200kg.ds/hr

技术参数:

Technique parameter:

机型 Type	带宽 Bandwidth (mm)	产量 output Kg.ds/hr	进料浓度 Feed concentration	出料浓度 Discharging concentration	外形尺寸 Dimensions 长 X 宽 X 高 (mm)	配用 动力 (KW)	重量 (kg)
DY-1000	1000	150-470	≥2%	20-25%	5590×2717×2562	2.2	3600
DY-1500	1500	250-600	≥2%	20-25%	5590×3717×2562	3.0	5900
DY-1800	1800	460-900	≥2%	20-25%	5590×3920×2562	4.0	8100
DY-2000	2000	530-1000	≥2%	20-35%	7300×3950×3047	4.0	10800
DY-2500	2500	640-1100	≥2%	20-35%	7300×4590×3047	5.5	12600
DY-3000	3000	720-1300	≥2%	20-35%	7300×4950×3047	7.5	15000

备注:处理量及泥饼含水率因行业的不同略有差异。(参见样本第1页, 典型物料脱水的性能参数)

Remark: Processing Capacity and moisture percentage would have few difference in different industry.

以上机型, 本公司标准材质为碳钢防腐

以上图纸资料, 本公司有电子版, 欢迎索取

以上安装技术, 无须预埋件及地脚螺栓

机型尺寸变更时, 恕不另行通知

Above models, the company standards for carbon steel materials

Preservation drawings above information, the Company is the electronic version, Welcome for the installation of more technology,

Not embedded parts and bolts

Type size change, do not inform any more.

高分子自动泡药机絮凝剂制备系统

Flocculation preparation system macromolecule automatic drug machine



在水处理工艺中，自动、精确的药剂制备及投加是发展的趋势。

奥德公司依托在废水处理领域多年的工作经验，可以为制备及投加混凝剂和助凝剂提供完整的设备和服务。

此设备适用于所有固体和液体絮凝剂，经过多年实践的检验，本公司干粉投加装置具备优良的使用性能和长期良好的信誉。

该设备可预留加药泵安装位置，可方便的改变为PAM乳液稀释及投加装置。

Macromolecule Automatic Dissolver(Powder feeding system)

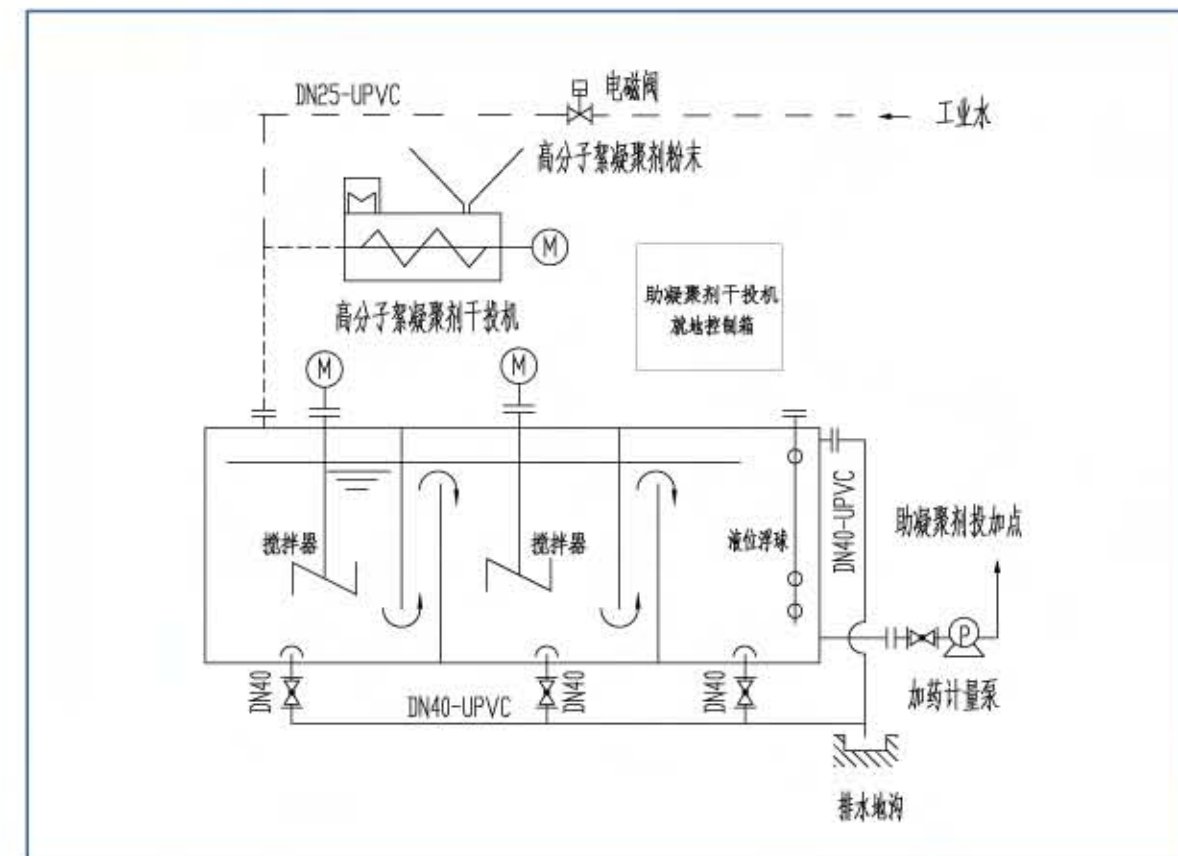
Powder feeding and preparation in the field of sewage and drinking water disposal, especially in the craft of sludge, exactitude preparation and feeding is necessary.

S.O.E Co. rely on years ' experience, could supply the integrity service for above preparation and feeding.

This equipment apply all solid and liquid condensation, for years ' practice, the powder feeding system has the excellent handling property and good credit.

工作原理:

Working principle



干粉溶液制备过程是通过各个溶液槽分级逐步完成的，溶液槽之间隔开，保证每个溶液槽内的最佳反应时间和恒定浓度，避免在预制槽和药液储存槽之间有任何直接通路，自动控制系统与储存槽上的液位控制器相连，一旦液位达到低位，触发进水电磁阀打开，干投机启动，投加量按照水量设定，以获得精确浓度，当液位达到最高点，此循环过程就停止，当然搅拌器还按设定时间继续工作。

The process of powder solution preparation operate each solution tank glade, and they are blocked off. And it could assure the best reaction time and invariableness consistency of every solution tank, avoid any direct touch of prefabricate tank and liquid storage tank, and automatic control system is joined with level sensor, to gain the exactitude chroma. When the level reach the apogee, the circle process stop.

技术特点:

全自动运行,节省人工
 药剂投加量精确可调,保证处理效果,避免浪费
 全不锈钢(SUS304或316)箱体、全进口配件,质量可靠,抗腐蚀性良好.
 保养简易,外观精美
 无需基础座及固定
 强大的技术支持,可按用户要求设计流程
 所有信息为触点式输出
 搅拌机灵活调节运行时间,确保效果,节省能源.
 运行过程中带空运转和溢流保护.
 按客户要求可灵活改装2箱,单箱式.
 高效率的药液混合系统:

Characteristic:

Automatically operate
 The amount of the powder feeding is exactitude
 All SUS304 crust, all imported parts
 Easy to maintain
 The fastness is no need
 Strong technical support
 All message is output by touch
 The time of mixing could be adjust
 In the process of operating, it with the empty operate and overfall protect
 Double tank also could be changed by customer's request

品质保证:

- 1.拉丝不锈钢板材
- 2.控制箱保护等级:IP54
- 3.进口水射流设备
- 4.进口专用不锈钢搅拌机
- 5.数控焊接设备,确保槽体精确密封.
- 6.药液混合器采用不锈钢一体化制作,溶药效果100%.

Guarantee of quality:

- 1,All SUS304 material
- 2,The level of protect control tank: IP54
- 3,Import jet equipment
- 4,Import SUS304 mixing equipment
- 5,Numerical control equipment
- 6,All SUS 304 mixer, the effect is 100%

应用:

城市污水助凝
 工业废水助凝
 饮用水处理
 污泥处理和沉淀
 硫酸制造
 造纸\冶炼
 电解溶液之中和
 石化工业
 制糖业
 石灰投加

Appliance

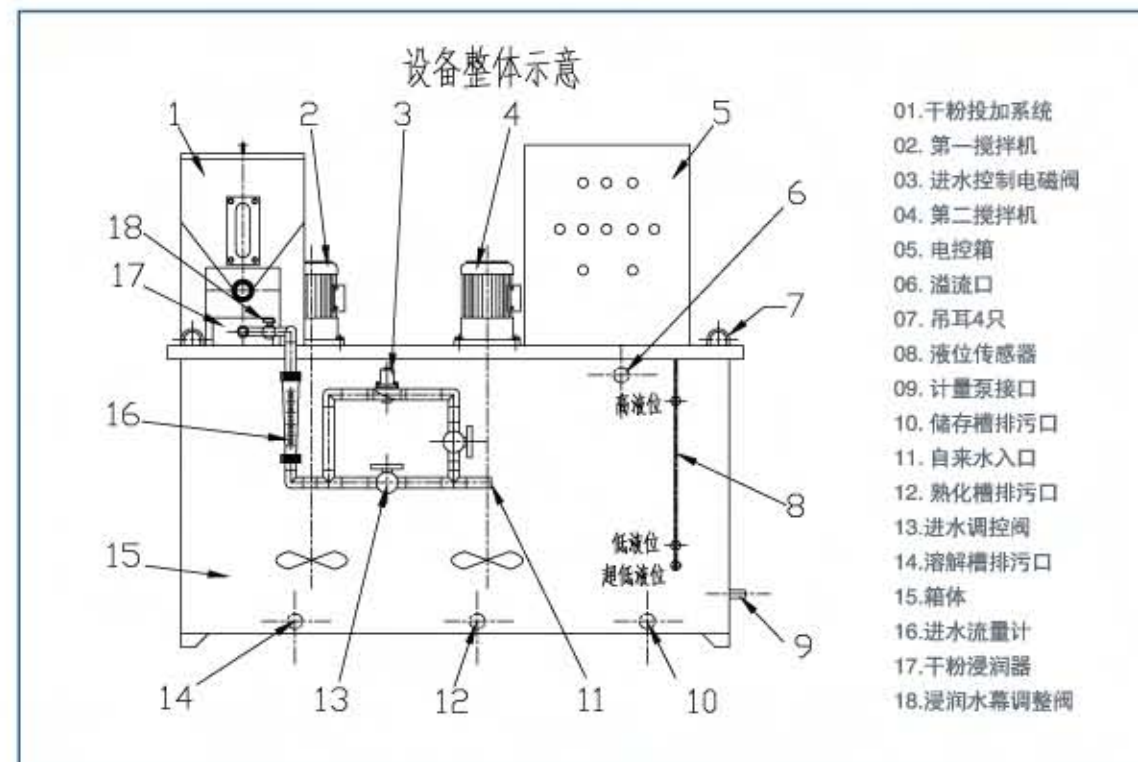
Aid condensation of city sewage
 Aid condensation of industry sewage
 Disposal of drinking water
 Disposal and deposit of sludge
 Produce of vitriol
 Paper making and smelt
 Counteract of electrolytic solution
 Petrification industry
 Refine sugar industry
 Calcareousness feeding

工程实例:

广州大沙地污水处理厂



机型: PY3-3000, 处理量3m³/hr,泡药浓度0.5%



标准配置: The standard compound

- ① 多种容积的储存料斗 Powder feeding hopper
- ② SUS304混合搅拌槽 SUS304 mixing tang
- ③ SUS304均匀熟化槽 SUS304 Equalization tang
- ④ SUS304储存供料槽 SUS304 solution storage/feeding tang
- ⑤ 变频干粉投加系统 powder stoker
- ⑥ 药液混合器 mixer
- ⑦ 螺杆防潮加热器 anti-condensation heater
- ⑧ 注水控制电磁阀 solenoid valve
- ⑨ 低速不锈钢搅拌机 agitator
- ⑩ 自动控制系统 control panel
- ⑪ Y型过滤器 Y strainer
- ⑫ 流量计 flow regulator

选配: The choiced compound

- 1 干粉真空吸料机 powder vacuum feed machine
- 2 防空穴料斗震荡器 powder level sensor
- 3 药粉断料监测报警仪 optional equipment
- 4 料斗防潮加热器 anti-condensation heater
- 5 水压监测仪 pressure gauge
- 6 加药定量泵 dosing pump
- 7 PLC自动控制 PLC control panel
- 8 储存供料槽加装搅拌机 solution storage/feeding tang agitator
- 9 溶解后药液稀释装置 Dissolved solution dilution device
- 10 触摸屏动态显示 Touchscreen dynamic display

** 针对造纸厂, 本公司干粉投加系统完全达到要求的精确度。

** 该系统的关键是PY型干粉进料器, 用于稳定或变化的投加粉末和颗粒, 为达到特定的投加容量, 干粉进料器可选配不同转速的马达、减速齿轮以及不同直径的计量螺杆。送料管带电加热。

** 高自动化的控制系统为药品的准确计量提供了技术上的保证, 该系统包括三室调配及组合式溶药比例调节系统, 可实现智能化运行, 提供现场/自动/远程等服务。

** to the paper making factory, our powder feeding system could reach its definition request

** The key of this system is powder stock, to reach the a feeding amount specifically, it could be match different motor, gear and screw

** High automatic system assure the technical support, it contains three-room preparation and solution adjustment system

技术参数

机型	产量 L/h	料斗 L	管径		设备外廓尺寸(mm)				重量 kg	功率 kw	材质
			进水口	排空口	长	宽	总高	药槽高			
Py3-500	500	45	DN25	DN32	1420	800	1700	760	350	1.3	SUS304
Py3-1000	1000	45	DN25	DN32	1730	1180	1790	900	400	1.3	SUS304
Py3-1500	1500	45	DN25	DN32	1850	1230	1790	900	470	1.3	SUS304
Py3-2000	2000	45	DN25	DN40	2450	1230	1840	900	500	1.8	SUS304
Py3-3000	3000	45	DN25	DN40	2490	1470	1900	1120	650	2.4	SUS304
Py3-5000	5000	60	DN25	DN50	3660	1650	1900	1100	900	3.4	SUS304
Py3-8000	8000	60	DN25	DN50	4350	1850	1900	1200	1280	5.0	SUS304
Py1-500	500	45	DN25	DN32	800	800	1500	800	320	0.5	SUS304
Py1-1000	1000	45	DN25	DN32	1000	1000	1700	1000	360	0.5	SUS304
Py1-1500	1500	45	DN25	DN32	1500	1000	1700	1000	400	0.7	SUS304
Py1-2000	2000	45	DN25	DN40	2000	1000	1700	1000	440	0.95	SUS304

安装及基础:

干粉投加装置安装方便, 无须专门基础, 现场的安装只是水源和电源的连接。

- 进水管的预留可根据设备尺寸图。
- 干粉投加装置出厂之前已经过检验及调试, 设备只须按规范连接电源线即可。
- 设备安装后, 操作人员需经过本公司专业人员培训后方可操作设备。
- 干粉投加装置备有电子版设备信息图, 欢迎索取。

Installment and foundation

It is easy to install the our powder feeding system, only the electrical source join with water source.

- The preparation of water inlet could be according to its data
- All powder feeding system have been checked and debug
- The worker only after trained could operate the system
- Electron data also be offer, welcome to ask for

PY2系列双槽式全自动絮凝剂配制系统（固液、液液溶解装置）

PY2 series of notches automatic flocculant preparation system (solid-liquid and liquid-liquid dissolved devices)

本系统根据某些浓溶液、固体粉粒（如高分子药剂）具有难溶解、易结块、长期暴露空气易凝结的特点制作，解决了采用常规的简易泡药不能充分溶解，人工投加会产生浪费人力、投加量不精确、溶液浓度不准确等诸多问题。

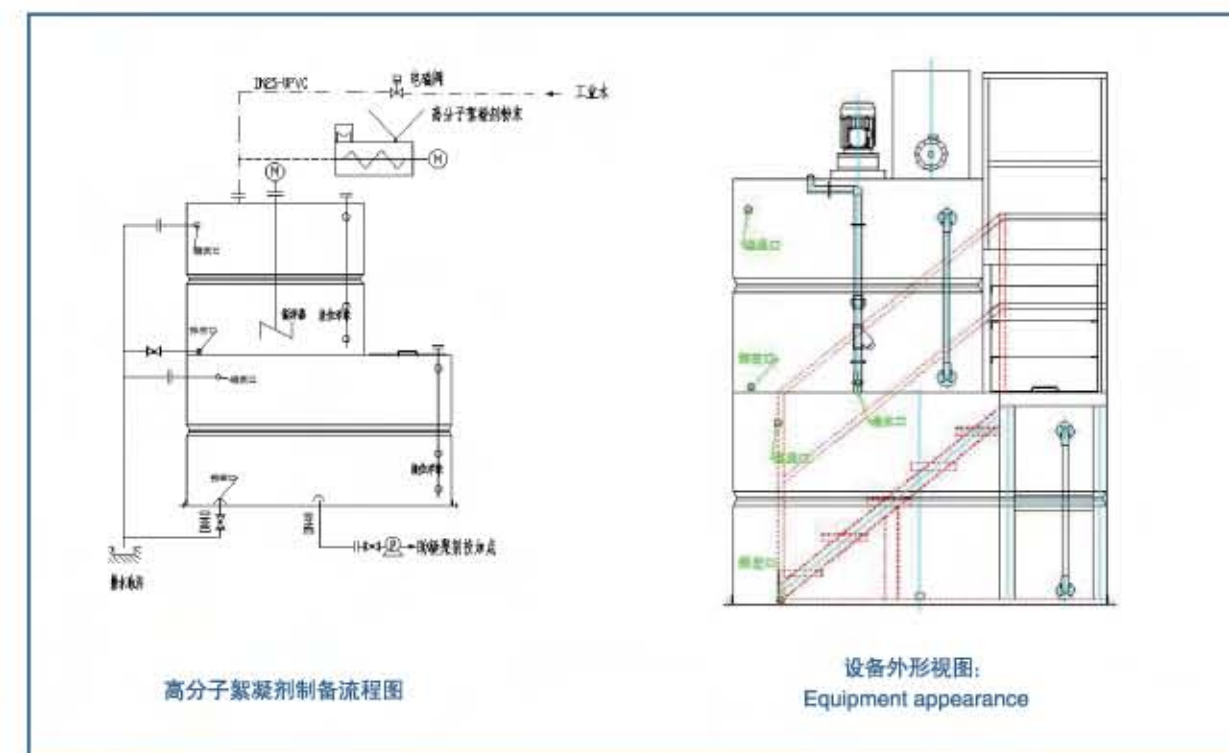
本系统为一套稀释、搅拌及计量浓溶液、固体粉粒（高分子絮凝剂）溶液的自动配制装置。适用于高浓度絮凝剂溶液的制备。

The system under certain concentrated solutions, solid powder (such as polymer Pharmacy) has hard dissolved, easy caking, prolonged exposure to air condensation of the characteristics of easy production, a conventional solution of simple foam drug not fully dissolved, artificial increases will have to vote a waste of manpower, the amount of inaccurate, solution concentration accurate many other issues.

The system is a dilution, mixing and metering concentrated solutions, solid powder (polymer flocculant) solution preparation automatic devices. Applied to high concentration of flocculant solution preparation.



PY2-4000 处理量: 4000L/h 最大溶解浓度: 0.5%



工作原理

固液、液液（絮凝剂）溶液配制过程是通过上下溶液箱逐步处理完成的，溶液箱之间隔开，保证溶药箱内的最佳时间和恒定的浓度，避免在溶药箱和储存箱之间产生任何直接通路。系统由PLC自动控制，控制箱与安装在溶液储存箱上的液位计相连，一旦贮药箱中液位达到“中位”，且溶液在溶药箱内完全溶解后，信号触发电动放药阀打开，将溶解充分的絮凝剂放到下贮药箱内；药粉的投加量的大小可以调节，以获得精确的浓度。自动情况下循环运行，确保系统时刻有成熟的溶解溶液使用

Principle

Solid-liquid and liquid-liquid (flocculant) solution through the preparation process from top to bottom box step-by-step solution to complete the solution between separate boxes, boxes guarantee dissolved the best time and constant concentration to avoid the dissolution boxes and storage bins between any direct access. PLC control system, the control box with the installation of the solution storage tank connected to the Level Meter which once reached Level "median" and the solution in the chest dissolved completely dissolved, the electric signals trigger drug release valve is opened, will be fully dissolved under the flocculant into storage boxes; The vote powder volume increases the size can be adjusted to obtain precise concentration. Automatic operation of recycling to ensure that the system is ripe for the moment dissolved solution use

特点

- 上下式二槽一体（溶药箱、储药箱）连续式配制，此设备占用空间小、结构牢固、便于操作、保养、清理等。水压要求宽松，人力成本最低。
- 有粉状或液态（选配）双重进料功能设计，可满足不同需求。
- 有比例调配功能，可依实际需求在一定范围内任意调整配制所需药液浓度。
- 配制浓度均匀适中，可减少因人力调配不当造成结粒（块）现象发生，使得管路或泵堵塞，增加不必要的人员维护费用及药粉支出费用。
- 设备由PLC控制整个配制过程，在正常运行情况下，可完全满足用户的连续使用完全溶解得固体溶液。
- 溶液储存槽中溶熟溶液了可通过加药泵（选配）与水在线稀释至所需浓度，通过静态混合器（选配）得到均匀溶液。

Features

- The one-two slot (dissolved boxes, storage boxes) continuous preparation, the equipment footprint small, solid structure, ease of operation, maintenance, cleaning and so on. Hydraulic requirements relaxed, human lowest cost.
- A powder or liquid (matching) the double feed functional design, to meet different needs.
- A proportion of the deployment functions, in accordance with the actual needs a certain extent arbitrary preparation of the necessary adjustments Concentration.
- Preparation of uniform moderate concentrations can be reduced due to improper manpower deployment guitar tablets (block), which occur makes pipe or pump plug, unnecessarily increases the cost of maintenance and personnel expenses powder.
- PLC control equipment by the entire preparation process, in the normal running circumstances, the user can fully meet the continuous use of completely dissolved in solid solution.
- Storage Tank solution dissolved solution can be cooked through dosing pump (matching) and the water - diluted to the required concentration, through static mixer (matching) to be uniform solution.

组成部分

1. 干粉供料储存仓;
2. 干粉浸润器;
3. 干粉输送机;
4. 溶解搅拌溶解箱;
5. 溶液储存箱;
6. 电控箱;
7. 进水管路配件;
8. 楼梯等辅助设备;

Component

1. Dry storage warehouse for materials;
2. dry powder infiltration;
3. powder conveyor;
4. dissolved mixing box;
5. solution storage containers;
6. electric control boxes;
7. the inlet pipe fittings;
8. staircases and other auxiliary equipment;

设备外形视图:

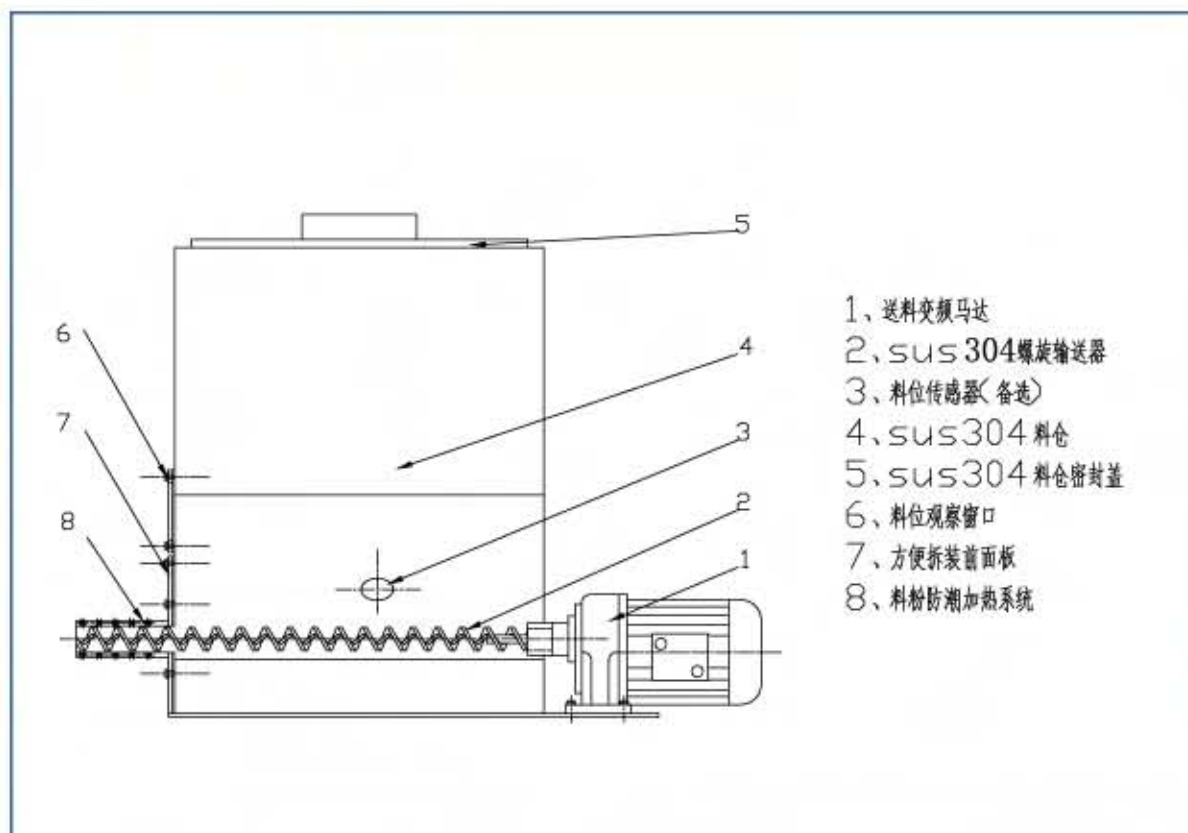
Equipment appearance

型号 Type	最大外形尺寸 (mm) The largest dimensions LXWXH	配置能力 (L/h) Volume	功率(KW) Power	溶药箱容积(M³) Volume Dissolution boxes	贮药箱容积(M³) Volume storage boxes
PY2-1000	2050X1050X3050	1000	1.68	1.2	1.8
PY2-1500	1750X1250X3050	1500	1.68	1.7	2.5
PY2-2000	2150X1450X3050	2000	2.38	2.4	3.5
PY2-3000	2550X1750X3050	3000	2.38	3.5	5.3



PY系列干粉投加机:

PY type powder feeding system



配套PY3系列高分子自动投加装置系统,适用于各类的PAM,PAC,石灰,活性炭,氧化铜等物料:

流量范围0.1—500公斤/小时,并可以在10%—100%之间进行调节

进料螺杆三重保护,确保误操作情况下正常运行

可选配料斗震荡装置以适应流动性差的干粉投加

活动前板,内部清洁容易

料仓中不存在死区,物料可达到最大排净

无需检测,无需添加润滑油

Match with PY3 automatic feeding system, applied PAM, PAC, and calcareousness etc:

If the flow range between 0.1-500kg/hour, it could adjust between 10%-100%

Triple protect of the input screw

Hopper concussion system could be matched

The front shroud could be activate

Material could be cleaned whole hog

No need to check and measure

配置:

Technical parameter and type

1. 带控制系统型

手动/自动/远程 自带变频器 配自动防潮加热器

2. 无控制系统型

无变频器,可选无极调速电机 配自动防潮加热器

3. 其他标准配置

电机,料斗,基础座

1. With control system

Manual/automatically/long-distance match with transducer and heater

2. Non-control system

No frequency conversion, could match with stepless timing machine match with heater

3. Other standard type

Motor, hopper and foundation



本公司供深圳富士康电子有限公司
氧化铜干粉投加机(含真空上料机)

P450后稀释系统

药液稀释装置原理:

根据测算, 5‰的高分子絮凝剂溶液,如果溶解成1‰,时间为2min, 而2‰的高分子絮凝剂溶液,如果溶解成1‰,时间为2second. (理论数据,实际由于药品种,气温等原因有一定的差异)

因此,2‰浓度药液经加药泵打出之后,又加入同流量的水,经管道混合器充分混合后,药液变为1‰,达到直接投加的浓度.从经济的角度考虑,采用高分子自动泡药机可适当溶解高于正常投加的比例,经后稀释装置稀释后投加,不会影响效果.

P450 pipeline mixer (dilute behind)

principle of solution dilute system:

According to measure and calculate, 5‰ condensation solution, if dissolve to 1‰, need 2mins. But 2‰ solution, if dissolve 1‰, it need 2second.

So, after the 2‰ solution inout by pump, and flow same amount water, after mixed the chroma become 1‰.

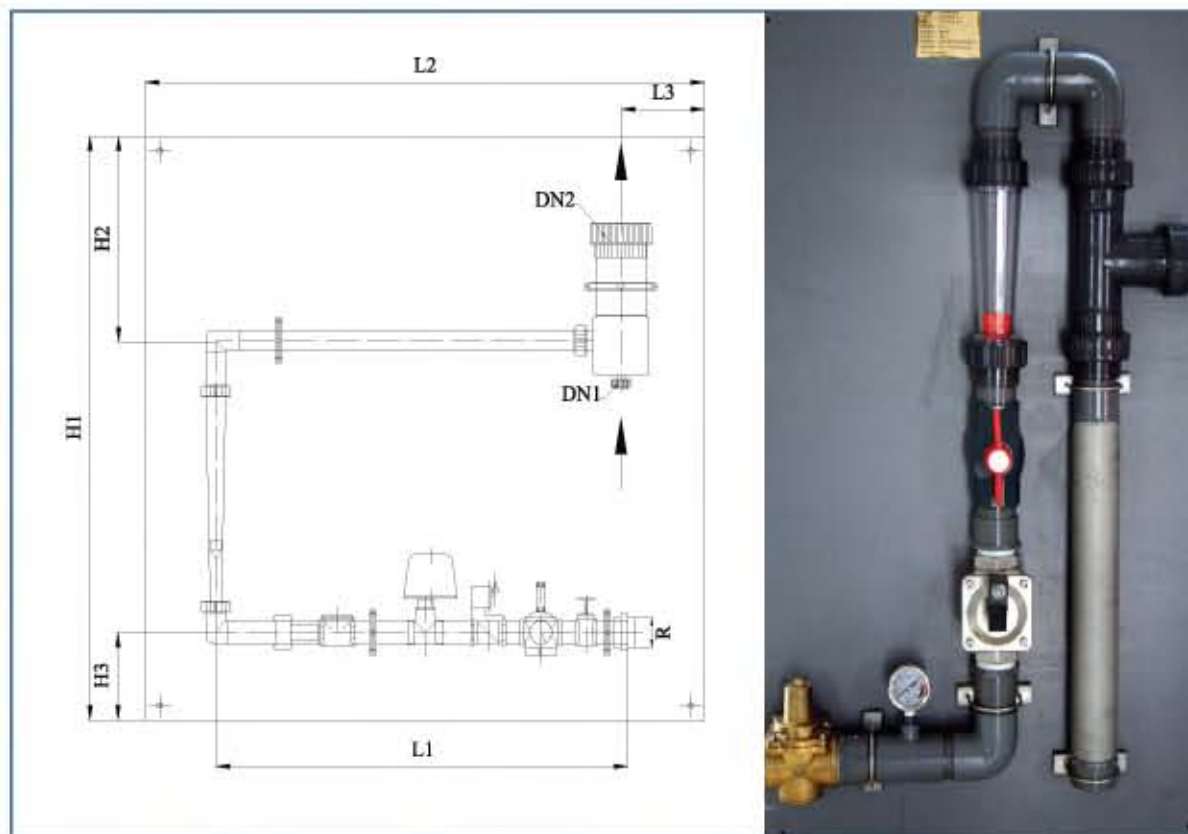
Considering from the side of economy, use the dissolver machine could dissolve proportion above.

P450后稀释系统特点:

1. 本系统包括截止阀,过滤器,减压阀,电磁阀,流量计,专用混合器
2. 控制阀与加药自控系统联动,实现在线稀释自动控制
3. 专用混合器为全不锈钢材质,持久耐用.
4. 与高分子自动泡药系统配合使用,增加加药系统经济性
5. 连接方式, 大于DN50采用法兰连接, 其余采用螺纹连接。
6. 所有原件统一安装于底板上。

Characteristic of PY450 dilute system

1. The system contains cut-off valve, filter, Germany brand solenoid valve and flow regulator and mixer.
2. Control valve join with feeding system
3. The mixer is made of SUS304
4. Match with dissolver system, built up economical efficiency
5. If bigger than DN50, join with surface bluing, others use the screw thread



型号 Type	出口流量 Exit flux	DN1	DN2	DN3	L1	L2	L3	H1	H2	H3
P450- 2000	2000	32	50	25	600	1000	100	1000	300	175
P450- 4000	4000	32	50	32	680	1000	100	1000	300	160
P450- 6000	6000	32	50	40	750	1000	100	1000	300	140
P450- 10000	10000	32	50	40	750	1000	100	1000	300	140

高压自动厢式压滤机

性能卓越
迪美AUTOMAT压滤机的卓越设计能使滤饼获得95%的干固体，滤液中的悬浮物≤100 ppm
厢式压滤机采用与今天通行的任何脱水工艺相比较，性能更为出色的固体-液体分离技术

AUTOMAT压滤机与传统厢式压滤机的比较

- 低运行成本
迪美AUTOMAT压滤机由于降低了能耗，减少了操作人员干预和对备件的需要，从而使脱水成本降低了75%以上
- 自动化，操作灵活
迪美AUTOMAT压滤机有多种不同自动化水平的型号，能满足各种不同应用的特殊要求

AUTOMAT压滤机

产品种类齐全满足各种需求

压滤板尺寸 (毫米)	工作压力 (巴)	最大滤室容积板 厚25和35毫米	总滤饼体积 (升)	总过滤面积 (平方米)	空重 (公斤)
630X630	7-15	80-67	301.84-765.60	23.52-30.16	2770-3535
800X800	7-15	118-100	633.66-1506.78	50.15-85.14	4300-5300
1000X1000	7-15	116-100	1361.36-2467.08	106.56-139.59	8500-12790
1200X1200	7-15	140-120	2303.68-4245.92	179.91-239.19	18120-24770
1500X1500	7-15	147-129	3756.48-7472.64	292.11-419.84	27950-33150
1500X2000	7-15	180-158	4638.74-12536.45	364.19-697.08	30585-45758
2000X2000	7-15	180-160	8385.85-16877.85	533.17-1073.09	40780-61010

AUTOMAT

在各类过滤应用中均有出色表现 迪美的过滤技术应用于淤泥脱水



进料系统

- 缩短过滤周期
- 降低含水量

絮凝系统

- 能减少絮凝剂消耗量、降低成本

滤布酸洗

- 能保持滤布性能特点
- 减少滤布损耗
- 改善过滤性能

滤饼运送

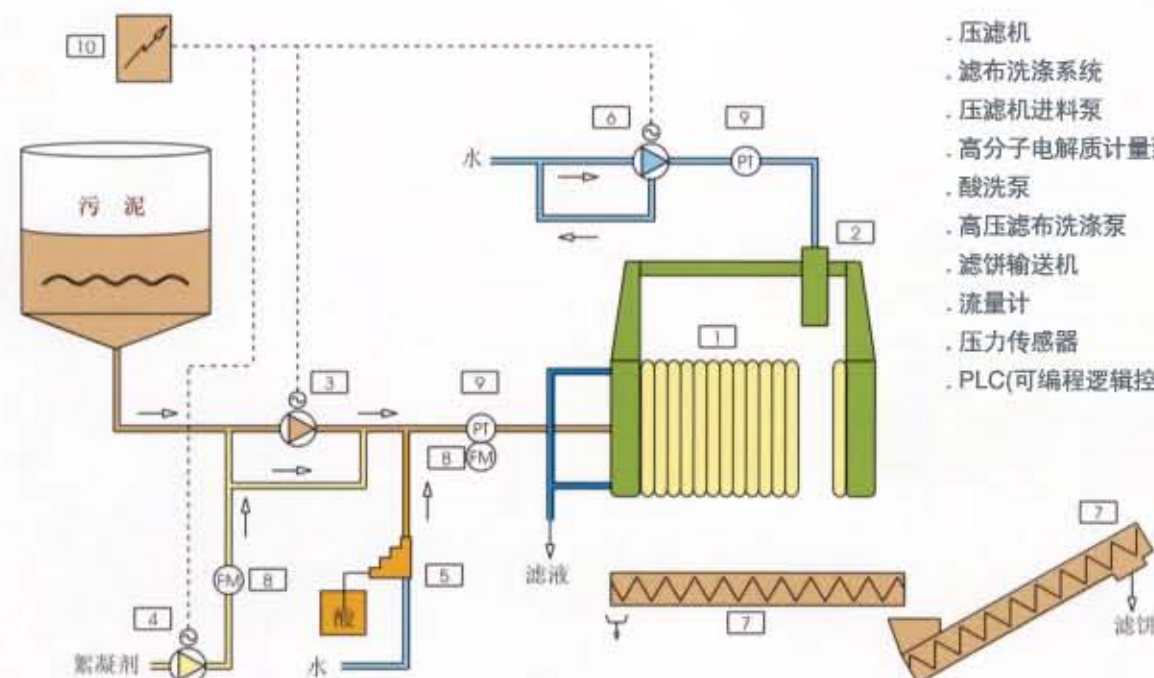
- 能减少脱水滤饼的储存空间

工艺过程自动化

- 连续控制过滤循环
- 减少操作员干预
- 整个工艺工程效率提高

污泥脱水系统

- 压滤机
- 滤布洗涤系统
- 压滤机进料泵
- 高分子电解质计量泵
- 酸洗泵
- 高压滤布洗涤泵
- 滤饼输送机
- 流量计
- 压力传感器
- PLC(可编程逻辑控制器)



迪美的过滤技术应用于工业工艺

进料系统

- 缩短过滤循环时间
- 降低含水量
- 保持产品的化学/物理性能

隔膜板挤压

- 脱水性能优越
- 缩短过滤循环时间
- 滤饼体积最小

滤饼洗涤

- 降低洗液用量
- 洗涤效果高达98%

滤饼吹干

- 减少滤饼水分至5%
- 降低空气消耗量

滤布高压洗涤

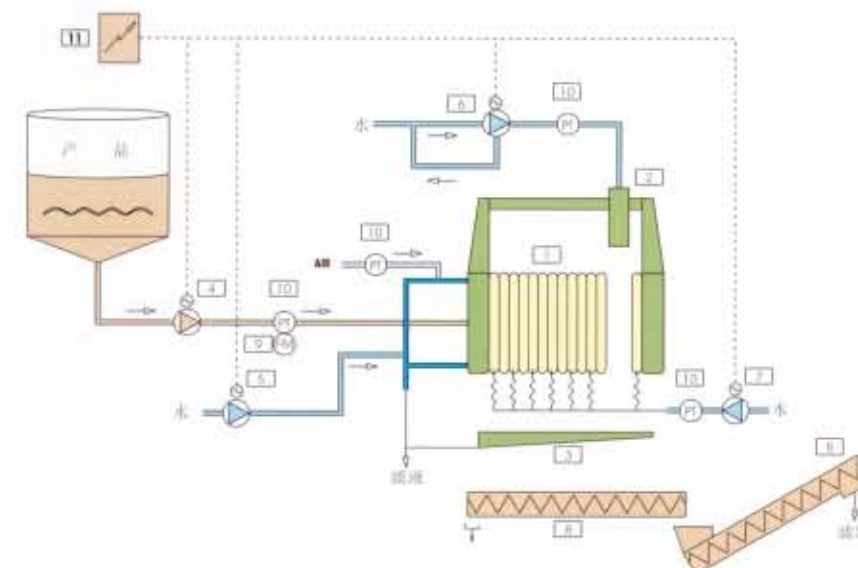
- 能保持滤布性能特点
- 避免滤布逐渐被堵塞的现象
- 对压滤机做全面高等级清洗

滤饼输送

- 能减少脱水滤饼的储存空间
- 脱水滤饼处置高灵活性和高精度

工艺过程自动化

- 过滤循环连续控制
- 减少操作员干预
- 高效的整个工艺工程



污泥脱水系统

- 压滤机
- 滤布洗涤系统
- 压滤机进料泵
- 高分子电解质计量泵
- 酸洗泵
- 高压滤布洗涤泵
- 滤饼输送机
- 流量计
- 压力传感器
- PLC(可编程逻辑控制器)



AUTOMAT GHT压滤机-1500×2000毫米 滤板



AUTOMAT GHT压滤机-2000×2000毫米 滤板

高产的AUTOMAT GHT 板式压滤机

- 每小时可达200吨的干燥固体产量
- 过滤面积高达1200平方米
- 极佳的工艺效果
- 能耗最低
- 结构牢固
- 每吨运行费用低
- 能获得最佳效果



快开式全自动压滤机



附属配备

滤布清洗单元
隔膜式滤板
输送机或集水盘

Surrounding equipment

Cloth washing unit
Membrane plate
Conveyor or drainage pan

适用范围

化学工艺: 制造、肥料、染料、颜料、石墨、纯碱
食品工艺: 制糖、啤酒、面粉、酱油、饮料、油脂、糖精、味精.....
矿业: 砂石场、大理石、高岭土、膨润土、碳酸钙、氨基酸、白烟.....
冶金工艺: 非铁金属工艺
废水处理与污泥脱水处理
净水处理几制程用设备

Suitable occupation

Chemical industries: Medicine fertilizer dye graphite
Food industries: Sugars, beer, flour, Soybean sauce beverage grease saccharine artificial flavor etc
Mining industries: Sand and stone pit marbles mount morillonite bentonite calcium carbonate amino acid white smoke etc
Mtailurgic industries, non-iron metallic industries
Wastewater treatment and sludge demwatering
Water purification equipment and industrial processing equipment

优点

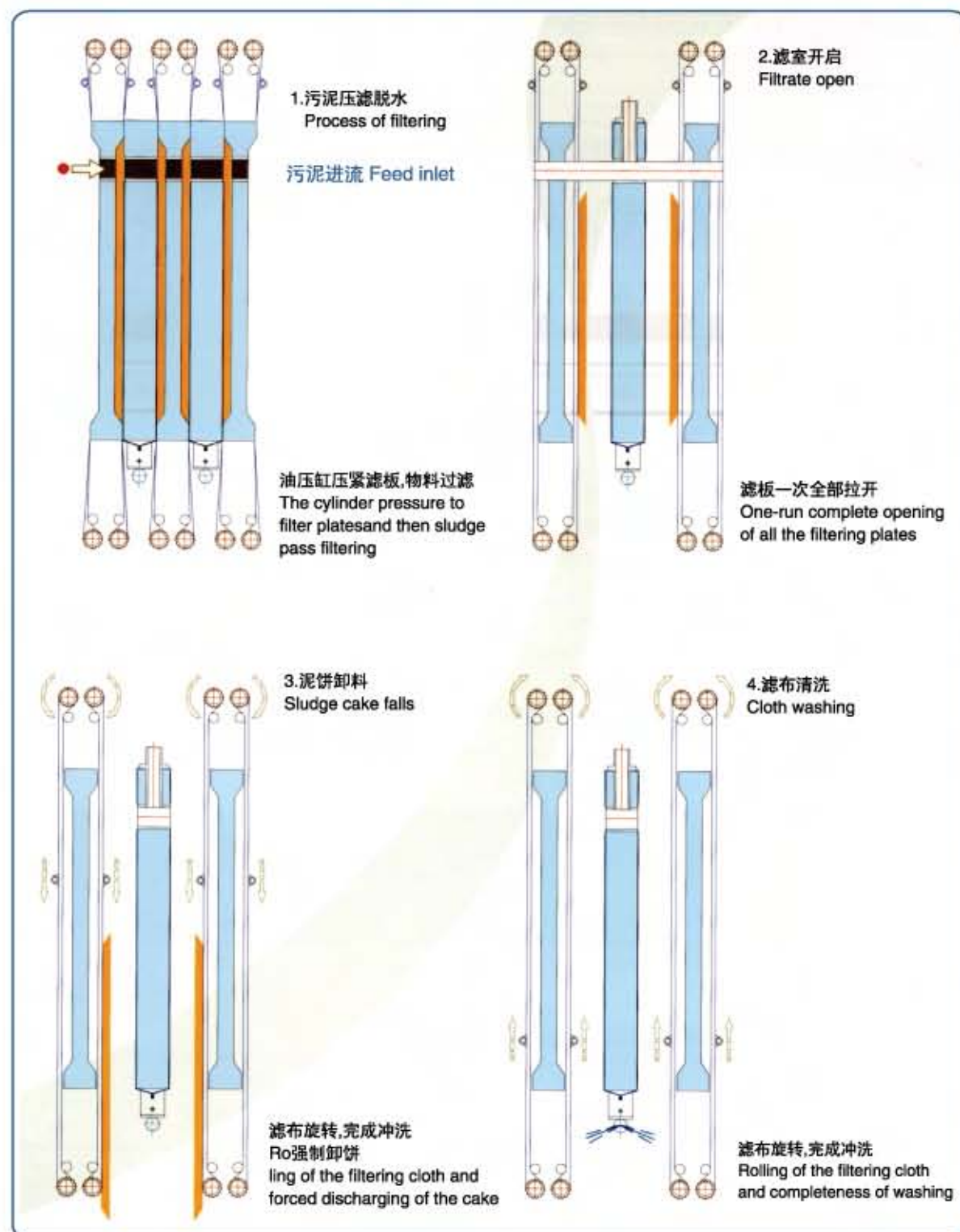
滤板一次全自动拉开, 卸饼速度快
工作稳定可靠
滤布全面一次性自动清洗
滤布清洗时间短
滤布整体自动移动, 强制卸饼彻底
隔膜挤压滤饼, 含水率低, 且隔膜寿命长, 气密性佳, 经济型良好
模组式机构, 拆装运输简易
超大处理能力, 以较小的机型即可达成既定的处理量, 可节省厂房空间及用地面积

The best fast opening type filter press

Automatic opening of all filter plates at one time, fast cake discharging and reliable operation
Completing automatic washing of the entire working face of filter cloth at one time. Short time of the cloth
Integrate movements of the filtering cloth and thorough forced discharging of cake
Inserted isolation membrane low water content. Long service life of the membrane energy saving low cost.
Easy transportation. Disassembly due to the assembled frame and compact design
For small size but have a super capacity. To save more room

快开式压滤机流程图

Fast opening automatic type filter press process

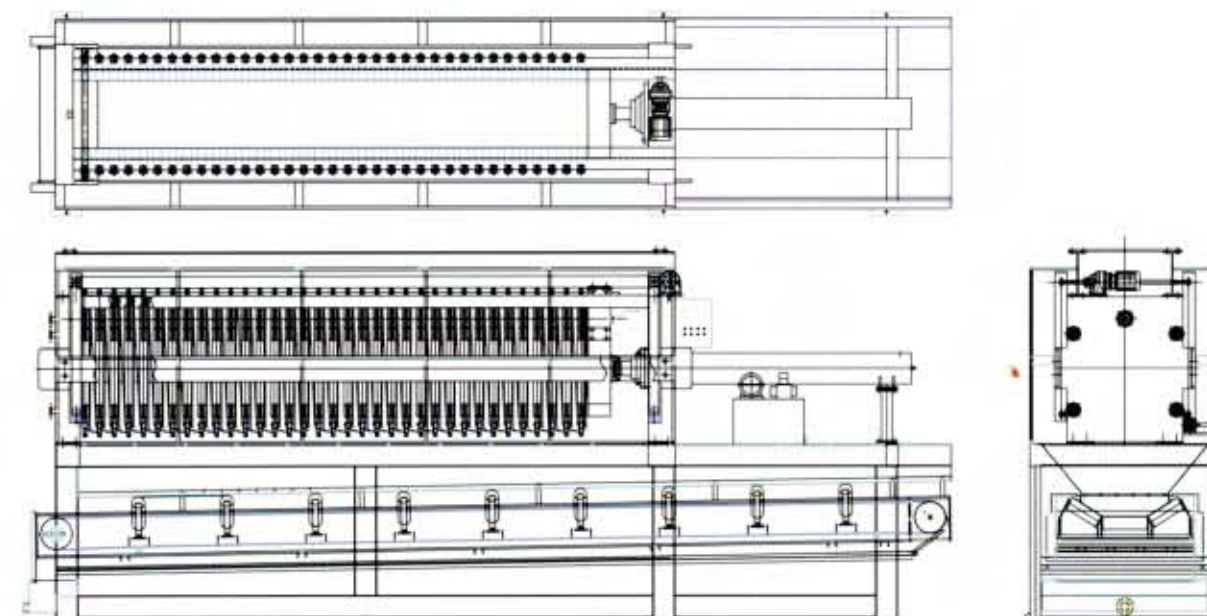


色块说明

滤饼
Filter cake

滤板
Filter plate

滤布
Filter plate



动作原理

油压动力单元启动 >>> 滤板闭合 >>> 污泥泵启动 >>> 泥饼曾建立 >>> 泥饼脱水成块 >>> 污泥泵浦断电 >>> 残液回吹 >>> 膜片二次逆压脱水 >>> 泥饼风干 >>> 泥饼开启/落料输送机启动 >>> 滤布上(进料+卸料+冲洗cycle只需30分钟)

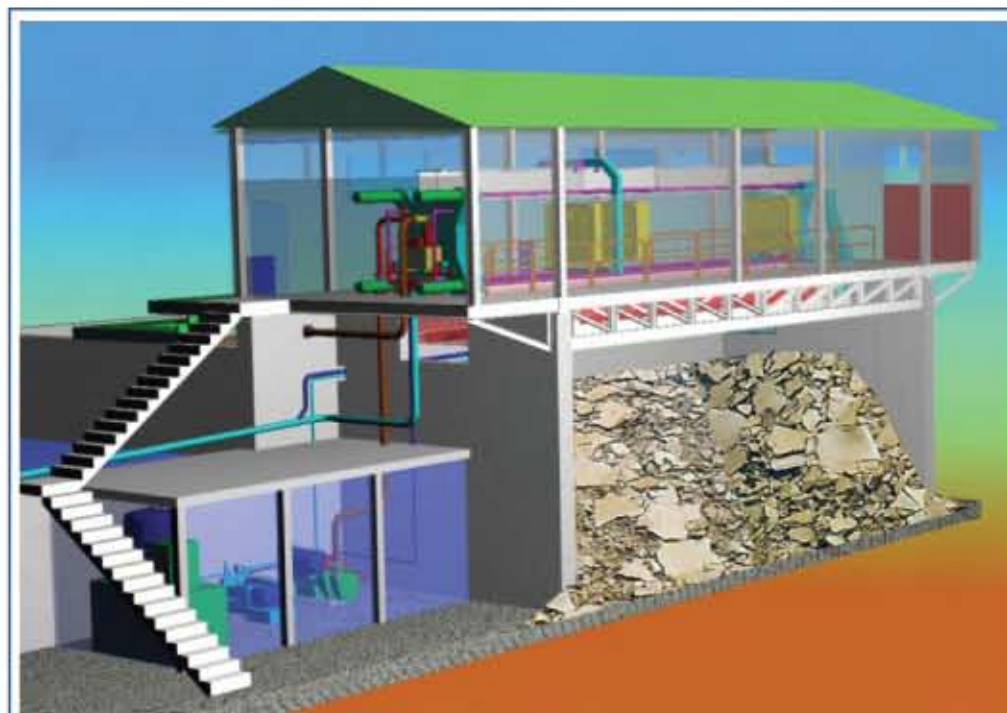
Filter press operation procedure

Start hydraaulic power unit >>> close filter plates >>> Start sludge pump >>> Build up sludge cake layer >>> Remove water from sludge and from cake >>> sludge pump shut off >>> Blow back residue liquid >>> Second squeezed to membrane >>> Air dry the filter cake >>> Filtrate open >>> Sludge cake falls off >>> Start conveyor >>> Clothes wash up and down(enter sludge + falls cake + wash=30min for one cycle)

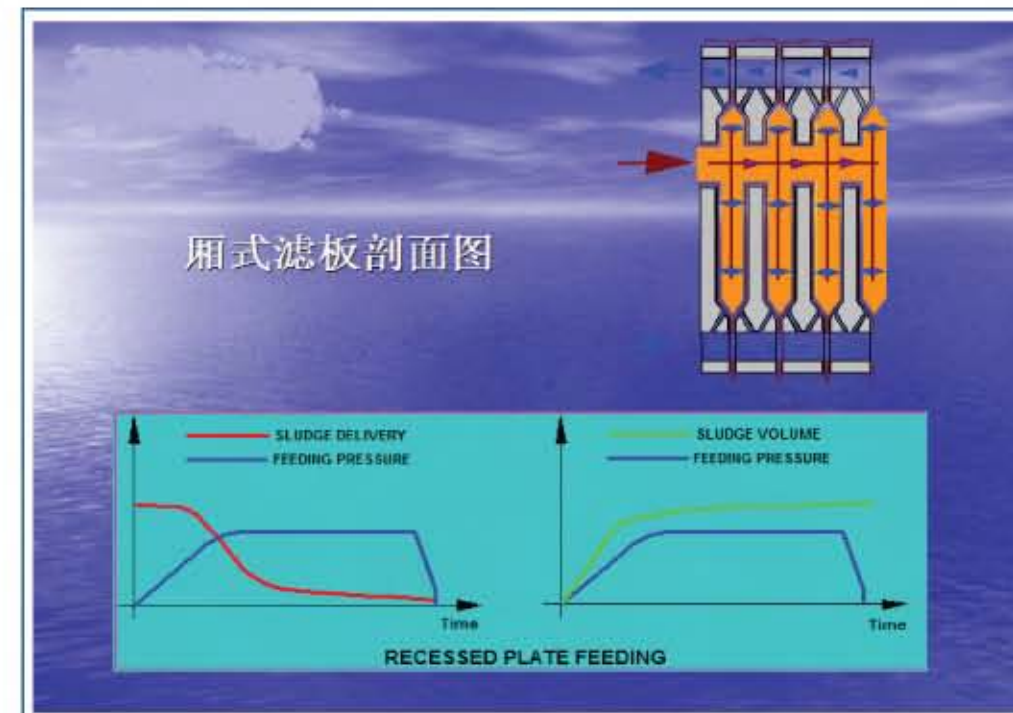
型号	过滤面积 M ²	滤板厚度 Xmm	滤板数量 N	滤室容积 (liter/cycle)	滤板尺寸 (mm)	整体外观尺寸 (mm)L*W*H	油压泵浦 HP
DRXA1000	2*(N-1)	75	N	25*(N-1)	1000*1000	(2NX+1385)*1682*4058	7.5

NOTE: 特殊规格接受定制(Other special specifications is accepted)

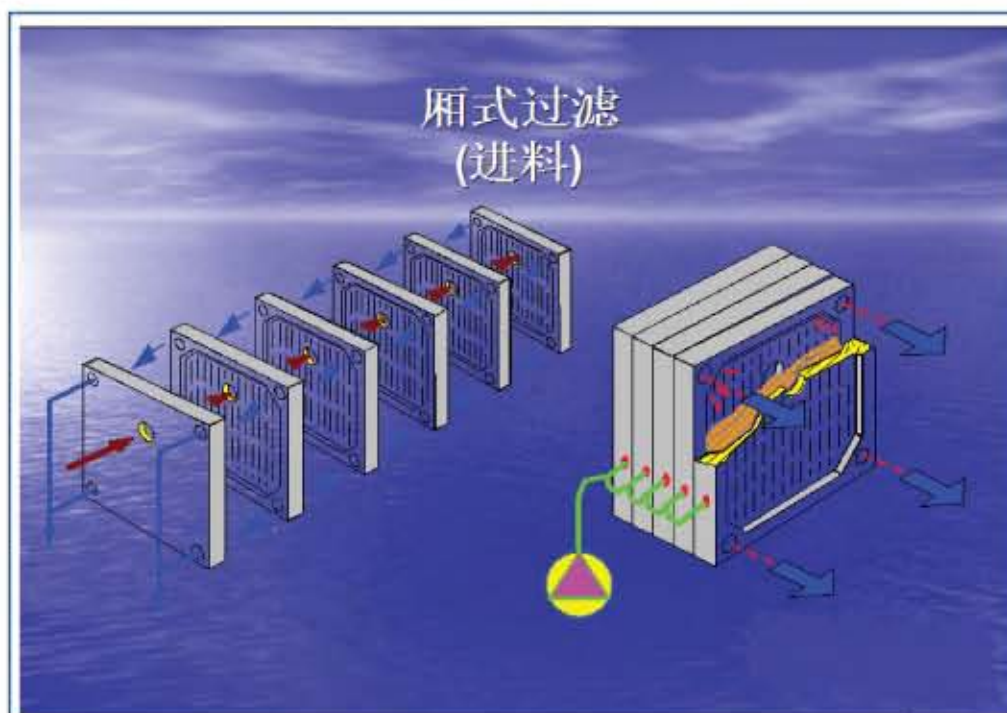
厢式压滤机工程图
Technique parameter:



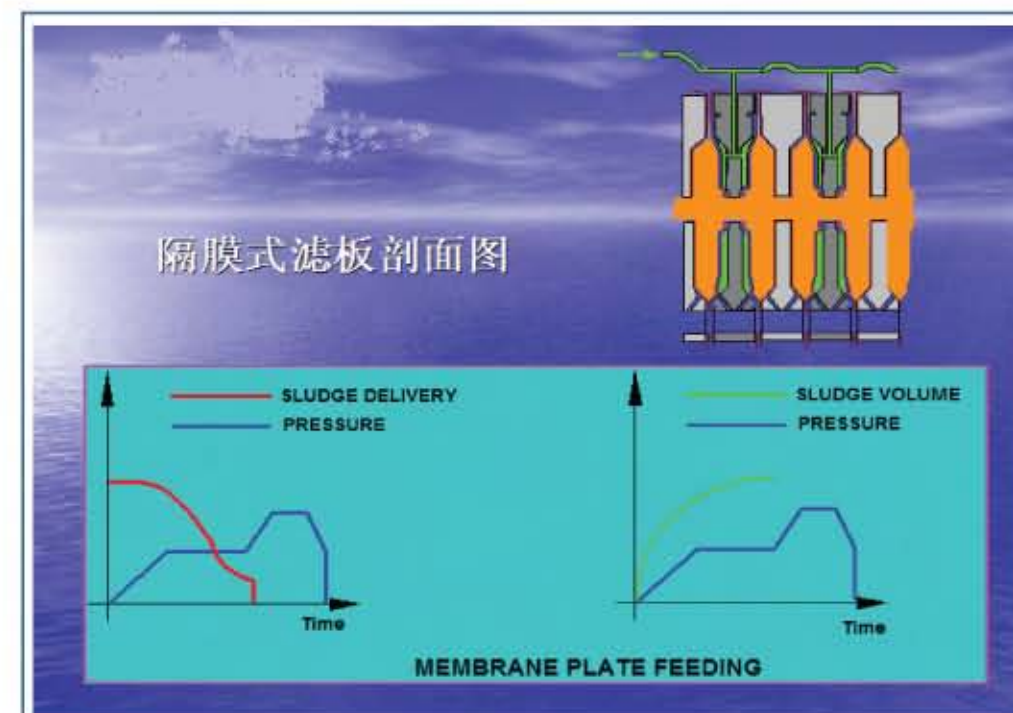
自动板框压滤机系统布置立体图



板框滤板剖面图



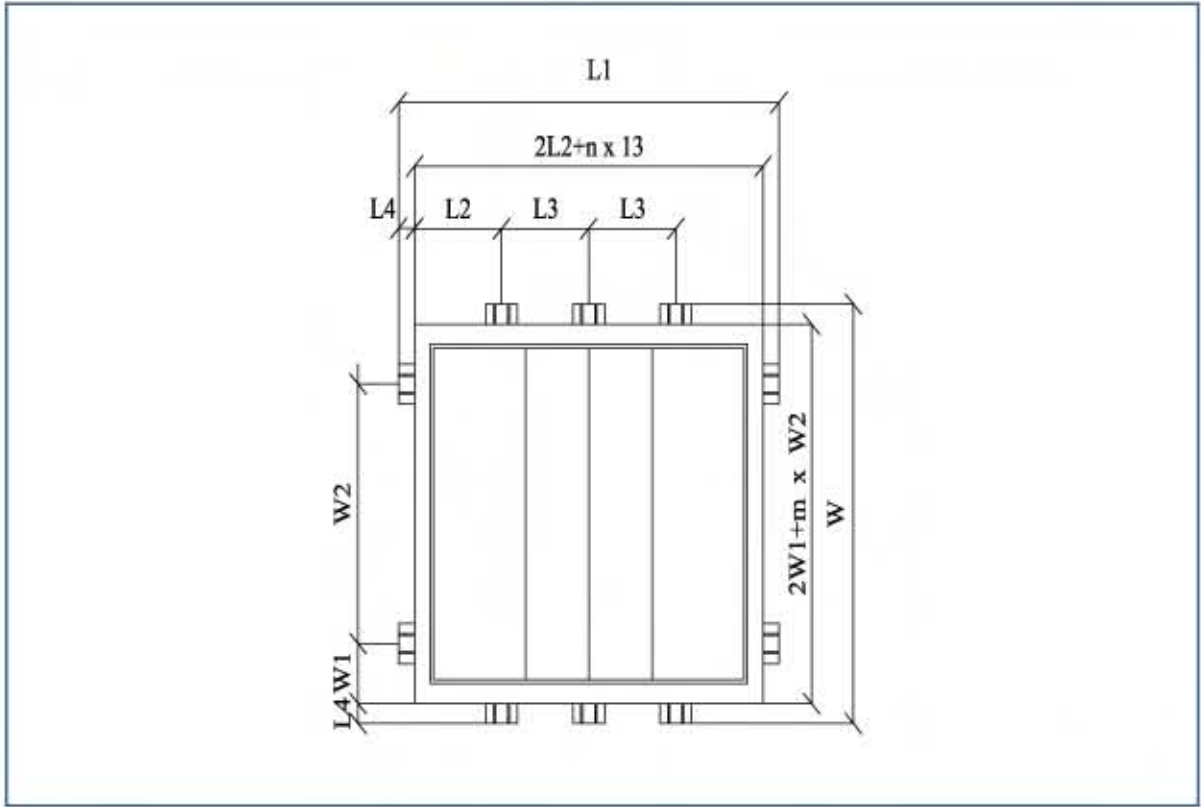
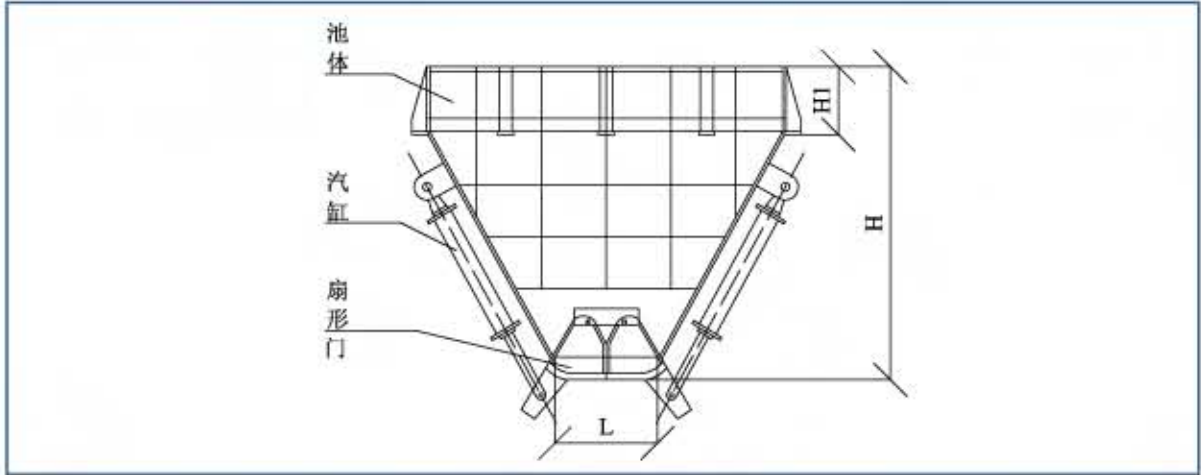
自动板框压滤机系统布置立体图



隔膜式滤板剖面图

QD型气动污泥斗

QD型气动泥斗示意图



技术特点

QD型气动污泥斗装置为污泥储仓，它常与厢式压滤机配套使用，可实现污泥的定期排放，便于污泥脱水系统的运行管理，是较为先进的污泥储存设备。

Technical features:

QD sludge bucket-type pneumatic devices for the sludge storage warehouse, which often associated with the use of complementary Van filter can achieve the periodic discharge of sludge sludge dewatering system to facilitate the operation and management is a more advanced sludge storage devices

QD型气动污泥斗主要技术参数

参数 型号	最大容积 (m ³)	L1 (mm)	H (mm)	W (mm)
QD2	2.5	2200	1900	1900
QD4	4.5	2500	2200	2200
QD6	6.5	2700	2450	2500
QD10	10.8	3200	3000	2700
QD12	12.8	3700	3000	2700
QD14	14	4200	3000	2700

法国PCM螺杆泵

France PCM MOINEAU pump



法国PCM螺杆泵

PCM是世界容积泵顶级制造商。

作为螺杆泵发明厂商，有着70多年的生产和应用经验。

PCM完全掌控橡胶技术包括配方、混合、注胶、聚合等工业流程，

这使PCM产品完全符合工业领域流体特性复杂的要求。

PCM螺杆泵中的M系列，具备安装及维修方便，更短，更轻，更少部件等优势。

2006年，上海奥德水处理科技有限公司成为PCM合作伙伴

France PCM compact screw pump

PCM is the world's top volume pump manufacturers.

Screw pump invention as the original manufacturer, has 70 years of experience in production and application.

PCM complete control over the rubber technology, including milk, mixing, plastic injection, polymerization and other industrial processes, This makes PCM products fully meet the industrial area of fluid characteristics of complex requirements.

PCM screw pump the Series M, with the installation and maintenance of convenience, a shorter, lighter, less parts, and other advantages.

EcoMoineau M Series PCM莫瓦诺系列

投资低Economical
能耗少Ecological
维修快Eco-design

EcoMoineau系列

The EcoMoineau Range

- 输送污泥和药剂
- 适用于各种环境
- For liquid sludge and reagents.
- For all environmental applications.

EcoMoineau系列的优势

- 体积紧凑
- 结构简单，重量轻
- 投资低，维护简单

BENEFITS Of EcoMoineau range

- reduced size
- fewer parts and reduced weight
- economical and simplified maintenance

莫瓦诺技术优势

- 注重产品质量
- 稳定无脉冲流量（如：进料烘干单元）
- 易于维护

BENEFITS Of Moineau technology

- respects the product
- constant, non-pulsating flow (e.g.: feed to drying units)
- easy maintenance

M系列：浮动定子

- 定子被排出法兰简单地固定，但仍与转子自由的运转
 - 莫瓦诺技术与浮动定子结合使相同性能的泵可以设计的更短
- M Series: Floating Stator
- Held in place simply by the discharge flange, the stator remains free to move with the rotor.
 - Use of the floating stator principle with Moineau technology leads to a much shorter design for the same level of performance.



参数：废水处理流程

	M系列浮动转子	M系列固定转子	I系列固定转子
最大流量	16m ³ /h	24m ³ /h	24m ³ /h
最大压力	10bar	24bar	24bar
最高连续运行温度	90°C	90°C	90°C

PERFORMANCE : Wastewater treatment process

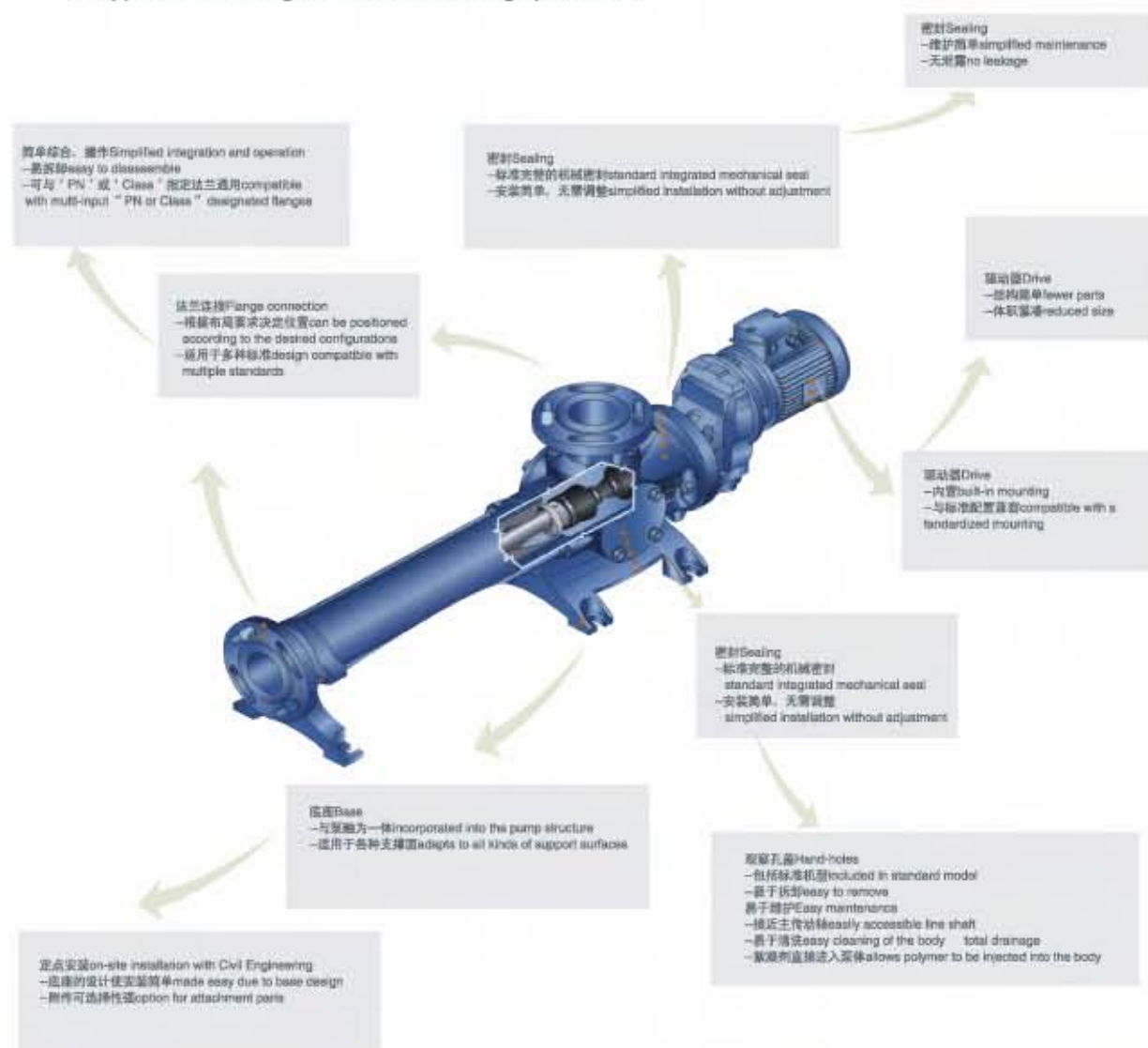
	Floating Fixed on M	Fixed Stator on M	Fixed Stator on I
Maximum flow rate	up to 16 m ³ /h	up to 30 m ³ /h	up to 250 m ³ /h
Maximum pressure	10 bar	24 bar	24 bar
Maximum temperature in continuous operation	90°C	90°C	90°C

M系列：固定定子

- 定子固定在钢框架内和主传动轴上防止异常运动
- 固定定子的传统设计，使泵能满足大流量和高压力的各种应用

M Series: Fixed Stator

- The stator is secured in a steel frame and the line shaft absorbs the eccentric movement.
- The conventional design of a fixed stator makes it possible to meet the needs of a variety of applications for large flow rates and/or high pressures.



驱动器：M系列泵专用于固定流量或变化流量

Drives: The M series pumps are intended for fixed or variable flow rates



EcoMoineau: 新理念

PCM数年来一直坚定地致力于环保的方式。这种公司政策已通过了ISO14001认证，同样的方法也可用于EcoMoineau系列。考虑到可持续发展要求：经济化的设计和整体运行周期费用是这个新系列的核心。

EcoMoineau: A new concept

PCM has been firmly committed to an environmental approach for a number of years.

This company policy has been confirmed by the ISO 14001 certification. This approach is also reflected in the EcoMoineau range, which takes into account the demands of sustainable developments: eco-design and the overall Life Cycle Costs (LCC) are at the heart of this new range

经济化的设计

从开始设计的阶段，经济化的设计就降低了产品使用周期的各阶段对环境的影响。

ECO-DESIGN

Eco-design reduces the products impact on the environment through all stages of its life cycle, starting with the design phase.



国际专利权International patent

连接的紧固件系统Fastening system for joints



EcoMoineau系列可依据环境的变化来选用

EcoMoineau非常适合用在水处理和工程领域。由于它将简单的功能应用于泵的设计中，使它能大多数不同应用提供最理想的溶液。

EcoMoineau range applied to your needs for the Environment

The EcoMoineau is ideally suited for the Water Treatment and Environment markets. It offers an optimized solution for the most diverse applications thanks to simple functions built into the design of the pump.

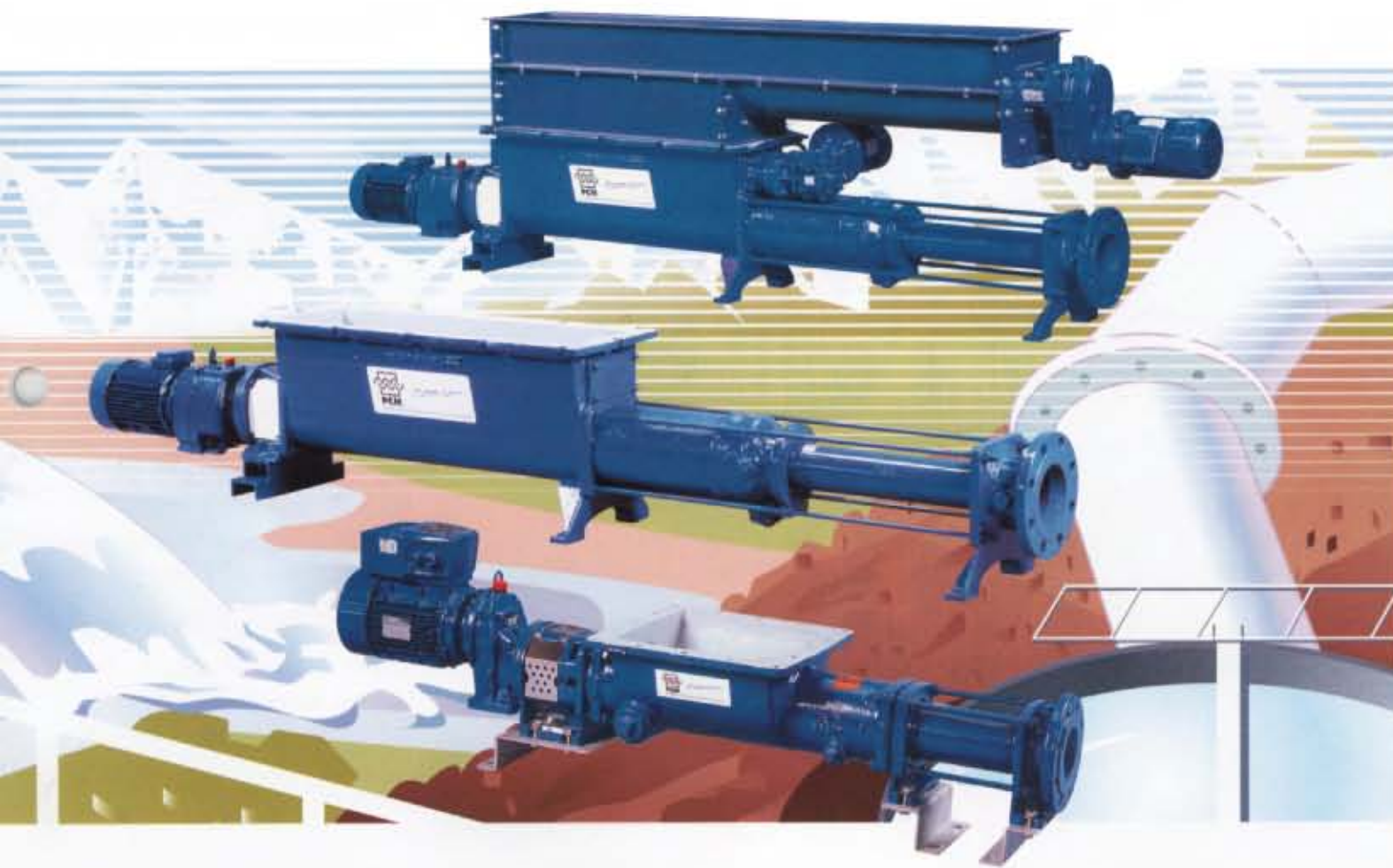


PCM莫瓦诺系列

Gavo 污泥输送泵

Cake pumps for sludge treatment and high viscosity products

用于污泥处理和高含固物质的泵



环境工程应用中的污泥处理 Sludge treatment in environmental applications

所有工业中浆状的、难抽吸的物质中的应用

Other applications for pasty, hard-to-pump products in all industrial sectors.

Gavo泵的优势

用于脱水污泥和高含固物质输送:

- 输送污泥气味小
- 用于石灰处理的搅拌
- 适用于各种污泥脱水设备
- 比其它的输送装置更经济,

如: --传送带

--螺旋输送机

- 依据安装运行条件改进
- 比活塞泵的高压力输出更经济

A full range of cake pumps for the recovery of dewatered sludge and high viscosity products:

- Transports sludge with minimum odour
- Allows for mixing in lime treatment applications
- Suitable for all sludge dewatering equipment
- Economical compared to other means of transfer

such as : -- belt conveyor

--screw conveyor

- Evolutionary depending on the installation service conditions
- An economical alternative to piston pumps for high discharge pressure

莫瓦诺技术的优势:

- 注重产品质量
- 稳定的无脉冲流量 (如: 对烘干单元的进料很重要)
- 维护简单

Moineau technology

- Respects the product
- Constant, non-pulsating flow (important for feeding drying units, for example)
- Easy maintenance

系数:

- 最大流量: 32m³/h (GCA: 50 m³/h)
- 最大压力: 12bar-18bar-24bar
- 最高连续运行温度: 80°C
- 标准储料槽宽度: 275mm
- 用水脱水装置的标准储料槽长度: 基本机型500, 1000和1500mm
- 根据需要可增加长度至: 2000, 2500和3000mm

Characteristics:

- Maximum flow rate: up to 32 m³/h (50 m³/h for GCA)
- Maximum pressure: 12 bar - 18 bar - 24 bar
- Maximum temperature in continuous operation: 80°C
- Standard hopper width: 275 mm
- Standard hopper length for dewatering equipment: 500, 1000 and 1500 mm for basic models
- Adaptation of a transfer system increasing lengths to 2000, 2500 and 3000 mm

环境工程应用中的污泥处理

Sludge treatment in environmental applications

所有工业中浆状的、难抽吸的物质的应用

Other applications for pasty, hard-to-pump products in all industrial sectors.



GTA

Gavo在带式浓缩中的应用Gavo for belt thickener applications

- 特定用于浓缩污泥specifically for thickened sludge
- 带式浓缩或转鼓浓缩belt thickener or drum recovery
- 低含固量和易变粘性物质low dryness content and variable viscosity

GCA

Gavo在离心机中的应用Gavo for centrifuge applications

- 离心机浓缩centrifuge thickening
- 非粘性，浆状物non-sticky, pasty products
- 低含固量，低粘性物质low dryness content and low viscosity

GVA

Gavo的多种应用Gavo for various applications

- 非粘性的浆状物质non-sticky, pasty products
- 高含固量物质high dryness content
- 高粘性物质high viscosity

GBB

Gavo含剪切破碎机Gavo with bridge-breaker

- 粘性的浆状物质sticky, pasty products
- 高含固量，高粘性物料products with high dryness content and high viscosity
- 石灰处理可能用一个内置的、高性能的剪切破碎搅拌机lime treatment possible using a built-in, high-performance bridge-breaker mixer

GCA

Gavo在离心机中的应用

Gavo for centrifuge applications

GVA

Gavo的多种应用

Gavo for various applications

应用:

- 离心机浓缩
- 脱水用滤袋、离心机和其他设备
- 输送易剪切的非粘性浆状物
- 抽吸低或高含固量和易变粘性的脱水污泥

Applications

- centrifuge thickening
- dewatering using belt filter, centrifuge and other equipment
- transfer of non-sticky, pasty products with no danger of bridging
- pumping of dewatered sludge with low or high dryness content and variable viscosity

优势

- 料斗的形状改善了流体的流通
- 合理的排出装置为不同的应用和站点的运行情况
- 根据站点的运行情况改进
- 大料斗泵
 - 比传统的泵短25%
 - 维护简单，操作更快，更容易
 - 低的备件费用

Advantages

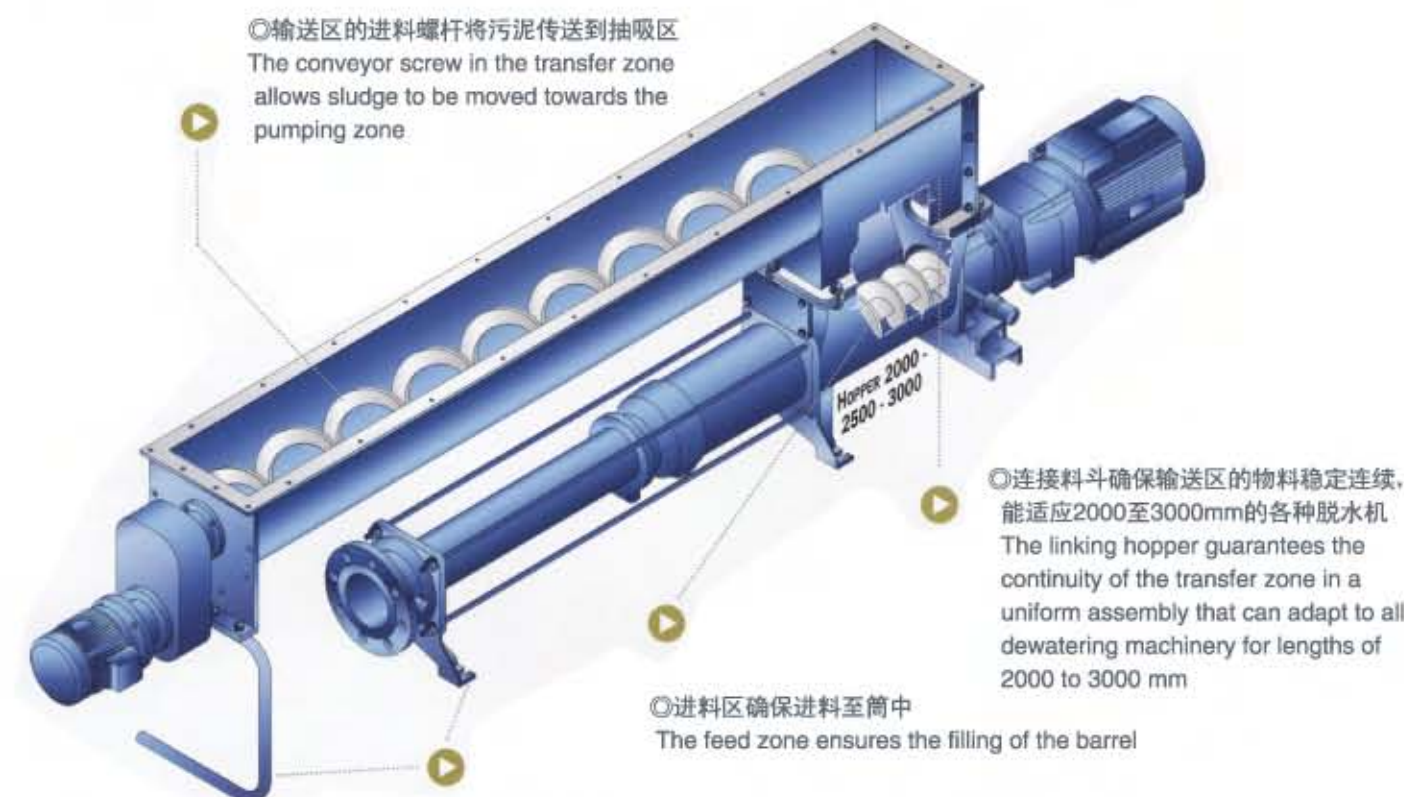
- improved fluid circulation owing to the shape of the hopper
- optimal discharge for the application and the site's service conditions
- evolutionary depending on the site's service conditions
- large hopper pump
 - up to 25% shorter than a conventional solution
 - simpler maintenance, faster and easier operation
 - lower-cost spare parts

小料斗设计 Design - Small Hopper



⑦排水管含有一个润滑管装置，它更好地调整抽吸不同物料的压力
The discharge pipe includes a tube lubrication device for better management of discharge pressure during pumping of difficult products

大料斗设计 Design - Large Hopper



最大参数
- 流量: 50m³/h或30m³/h
- 压力: 24bar
- 料斗: 3000mm
Maximum characteristics
- flow rate up to 50 or 30m³ per hour
- pressure up to 24 bar
- hopper up to 3000 mm

可选附件
- 油脂密封
- 干运转保护
- 安全压力开关
- 流量液位控制
- 润滑聚合物
Recommended accessories and options
- grease-sealing
- dry running protection
- safety-pressure switch
- flow rate managed by level control
- polymer lubrication



①2000mmGVA输送区的详情detail of transfer zone on a 2000 mm GVA
②GCA用于离心分离机出口GCA with centrifuge outlet

③回收污泥料仓出口 recovery of sludge with silo outlet
④回收污泥炉进料 recovery of sludge for furnace feeding

资质证书



公司业绩

■ 金川集团中水回用工程DY-2500污泥脱水机项目

DY-2500 sludge dehydrator item of Jinchuan Group Water Reuse Project



■ 南京同仁堂污泥处理工程DYI-1000污泥脱水机项目。

(该项目为二〇〇五年国家重点环境保护实用技术示范工程)

DYI-1000 sludge dehydrator item of Nanjing Tong Ren Tang sludge process Project

(The project for 2005 state Environmental Protection practical demonstration of the technology works)



■ 马来西亚TECK GUAN LTD DYI-1500污泥脱水机项目

DYI-1500 sludge dehydrator item of Malaysia TECK GUAN LTD



■ 绍兴污水处理厂 PY2-4000 絮凝剂制备系统

Shaoxing swage treatment factory PY2-4000 Flocculation preparation system



■ 马鞍山第二热电厂1、2#机组烟气脱硫工程自动厢式压滤机项目

Automatic compartment-type press filter item of Maanshan Second thermoelectricity plant 1、2# unit flue gas desulfurize project



■ 谏山电厂2×600MW发电机组烟气脱工程自动厢式压滤机项目

Kanshan power plant 2×600MW Units from flue gas desulfurize project automatic compartment-type press filter item