



技术、诚信、务实

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太仓正信干燥设备科技有限公司
 TAICANG ZHENGXIN DRYING EQUIPMENT TECHNOLOGY CO.,LTD.

太仓正信干燥设备科技有限公司，是一家专业从事干燥设备、粉体计量分装系统、混合设备、聚丙烯环保设备和污泥干化设备的设计、研发、生产、销售的科技企业。企业始终注重于产品的技术革新和完善，并坚持贯彻GMP生产标准。产品广泛应用于医药、化工、食品、轻工、矿产、电子、农药等行业。

我公司地处风景秀丽的江南水乡——江苏省太仓市双凤镇温州工业园区。南接上海，西邻苏州。离上海浦东机场92公里，上海虹桥机场38公里，地理位置优越、交通便捷。

我公司本着技术、诚信、务实的合作宗旨，真诚的与您携手合作。

Taicang zhengxin drying equipment technology co.,ltd. Is a scientific and technological enterprise specializing in the design, research and development, production and sales of drying equipment, metering and loading system, mixing equipment, polypropylene environmental protection equipment and sludge drying equipment. The enterprise pays great attention throughout the product technological innovation and the consummation, and insisted that implements gmp production standard. The product widely applies in professions and so on medicine, chemical industry, food, light industry, minerals, electron, agricultural chemicals.

Our company is situated at the beautiful scenery of the south of changjiang river —— Wenzhou industrial park, shuangfeng town taicang city jiangsu province. South meets shanghai, west neighbour suzhou. Taicang zhengxin drying equipment technology Compay is 92Km away from Shanghai Pudong International Airport, and 38km away from Shanghai Hongqiao Airport, the geographical position is superior, the transportation is convenient.

Our company in line with the technology, the good faith, the practical cooperation objective, sincere cooperates hand in hand with you.



品质源于细节 QUALITY FROM DETAILS MAKING



荣誉证书 CERTIFICATE



我们的荣誉

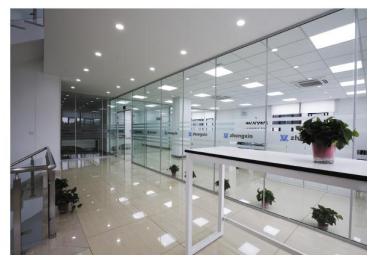
都是来自企业员工用心血与汗水默默耕耘的见证，
它凝聚了每位员工的智慧与才能；
每一个丰硕的成果，
都是企业辉煌的成就见证，
也为企业指明了通向未来的光芒大道！

Our honor

Come from the hard work and sweat of employees,
witness of work quietly.
Embodies the wisdom and talents of each employee.
Each fruitful result.
All is the testimony of company's success.
Also pointed out a bright road to the future of company.

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企业环境 CORPORATE GLIMPSE



生产与装备 PRODUCTION AND EQUIPMENT



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不锈钢双锥回转真空干燥机 STAINLESS STEEL DOUBLE CONE ROTARY VACUUM DRYER

工作原理

本机主机为一只锥形夹层罐体，内胆采用不锈钢，夹层可通入蒸汽或热水，对内胆加热，热量通过内胆壁传导至湿物料，物料受热，水份（或有机溶剂）升温汽化，不断被抽气管抽走，罐体内处于真空状态，加快了物料干燥速率。驱动电机带动罐体低速回转，物料不断上下，内外翻动，更换受热面达到均匀干燥目的。

特点

该机结构紧凑，运转平稳，操作简便，节能高效。可实现无菌操作。内胆可通入高温蒸汽进行灭菌操作，过程方便，迅速可靠。能满足GMP要求，特别适用于憎氧、热敏等特殊干燥要求的粉状物干燥。系统设置冷凝器受槽后，可回收有机溶剂。

WORK

The local host as a conical sandwich shells, tank made of stainless steel, laminated can be steam or hot water heating on the tank, heat conduction through the wall of gall bladder to the wet material, the material to heat, moisture (or organic solvent) heat of vaporization, constantly being pulled out the exhaust pipe, the body in a vacuum tank to speed up the drying rate. Low-speed rotary drive motor drives the tank, the material continuously from top to bottom, inside and outside turning, replace the heating surface to achieve uniform drying purposes.

FEATURES

The machine structure is compact, smooth, easy operation, energy efficient. Aseptic operation can be realized. Can pass into the inner cylinder temperature steam sterilization, the process convenient, quick and reliable. Can meet the GMP requirements, especially for hate oxygen, thermal and other special drying requirements powder dry. After system setting the condenser slot, could recycle organic solvents.

规格与参数 SPECIFICATIONS AND PARAMETERS

型号 Model	换热面积 (m ²) Heat transfer area (m ²)	装料系数 (%) Charge coefficient (%)	电机功率 (kw) Motor Power (kw)	外形尺寸 (长×宽×高) Dimensions (L × W × H)
SZG-30	0.5	< 50	0.75	1380 × 700 × 1200
SZG-50	0.7	< 50	0.75	1410 × 700 × 1300
SZG-100	1.55	< 50	1.1	1640 × 800 × 1770
SZG-200	1.85	< 50	1.1	1740 × 900 × 1900
SZG-300	2.21	< 50	1.1	1890 × 950 × 2000
SZG-500	3.1	< 50	1.5	2170 × 1200 × 2180
SZG-750	4.13	< 50	2.2	2650 × 1500 × 2620
SZG-800	4.6	< 50	2.2	2620 × 1200 × 2650
SZG-1000	4.96	< 50	3	2400 × 1200 × 2550
SZG-1500	6.62	< 50	4	2820 × 1500 × 2850
SZG-2000	7.99	< 50	5.5	2970 × 1500 × 2930
SZG-3000	10.3	< 50	7.5	3400 × 1600 × 3420
SZG-4000	12.76	< 50	15	3700 × 1750 × 3660
SZG-5000	14.66	< 50	15	3900 × 2000 × 4050
SZG-6000	22.2	< 50	15	3900 × 2050 × 4100
SZG-10000	26	< 50	18.5	5000 × 2200 × 5200



与众不同的抽真空系统，确保容器内无异物产生，满足GMP要求

Unique vacuum system, to ensure that no foreign objects inside the container produced, meet the GMP requirements



选配抽滤板（烧结网），可实现双锥干燥机的过滤、洗涤、干燥三合一。

Selection of filter plate (sintering mesh), filter, washing and drying of the double cone dryer can be realized in one.



搪玻璃双锥回转真空干燥机 GLASS-LINED DOUBLE CONE ROTARY VACUUM DRYER

工作原理

本机主机为一只锥形夹层罐体，内胆采用碳钢搪玻璃制成，夹层可通入蒸汽或热水，对内胆加热，热量通过内胆壁传导至湿物料，物料受热，水份（或有机溶剂）升温汽化，不断被抽气管抽走，罐体内处于真空状态，加快了物料干燥速率。驱动电机带动罐体低速回转，物料不断上下，内外翻动，更换受热面达到均匀干燥目的。本机针对金属离子有要求的和有腐蚀性的物料干燥。

特点

该机结构紧凑，运转平稳，操作简便，节能高效。可实现无菌操作。内胆可通入高温蒸汽进行灭菌操作，过程方便，迅速可靠。能满足GMP要求，特别适用于憎氧、热敏等特殊要求的粉状物料干燥。系统设置冷凝器受槽后，可回收有机溶剂。

WORK

The main machine as a conical jacketed tanks, inner tank made of glass-lined carbon steel, jacket can be steam or hot water, heating of the inner tank, the heat transmitted through the wall of inner shell to the wet material, material heated, water (or organic solvent) heat of vaporization, constantly being pulled out by the exhaust pipe, the tank body in a vacuum condition to speed up the drying rate. Low-speed rotary drive motor drives the tank, the material continuously from top to bottom, inside and outside turning, replace the heating surface to achieve uniform drying purposes. The machine is made for the dry requirements of metal ions and corrosive materials.

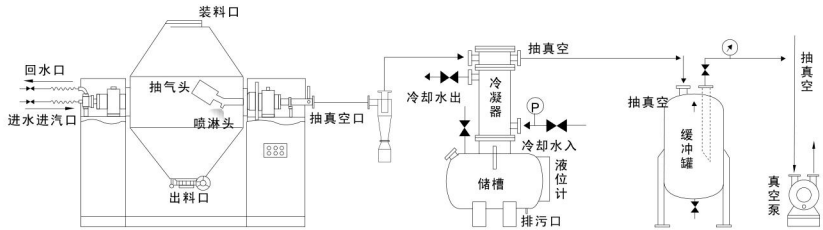
FEATURES

The machine structure is compact, smooth, easy operation, energy efficient. Aseptic operation can be realized. Can pass into the inner cylinder temperature steam sterilization, the process convenient, quick and reliable. Can meet the GMP requirements, especially for hate oxygen, there are special requirements such as thermal drying powder. After setting the condenser by the slot system, recyclable organic solvents.

规格与参数 SPECIFICATIONS AND PARAMETERS

型号 Model	换热面积 (m ²) Heat transfer area (m ²)	装料系数 (%) Charge coefficient (%)	电机功率 (kw) Motor Power (kw)	外形尺寸 (长×宽×高) Dimensions (L × W × H)
SZG-100	1.61	< 50	1.1	1620 × 800 × 1500
SZG-200	1.9	< 50	1.1	1690 × 900 × 1600
SZG-300	2.16	< 50	1.1	1940 × 950 × 2300
SZG-500	2.99	< 50	1.5	2250 × 1200 × 2700
SZG-750	4.24	< 50	2.2	2470 × 1200 × 2750
SZG-1000	4.9	< 50	3	2470 × 1200 × 2750
SZG-1500	6.59	< 50	4	2820 × 1500 × 2850
SZG-2000	7.82	< 50	5.5	2970 × 1500 × 2900
SZG-3000	10.46	< 50	7.5	3450 × 1600 × 3600
SZG-4000	12.7	< 50	15	3770 × 1750 × 3620
SZG-5000	14	< 50	15	4060 × 2000 × 4200
SZG-6000	22	< 50	15	3850 × 2000 × 4050

全套装置图 COMPLETE INSTALLATION PLAN



图例 ○ — 真空表 (P) — 压力表 ◀ — 阀门 ~~~~ 软管联接



单锥系列真空干燥机 SINGLE CONE SERIES VACUUM DRYER

产品简介

单锥系列真空干燥机是一种集干燥、混合为一体的多功能全密闭的真空干燥设备。主要用于抗菌素、原料药、抗生素、精细化工等对卫生级别要求高的粉体干燥。设备设计功能符合最新GMP及FDA标准要求，与洗涤过滤干燥一体机（三合一）或离心机构成一体化自动过滤干燥系统。

产品优点

兼容性广：由于该设备整体是静止固定的，上道工序可直接与离心机或三合一对接，下道工序可直接与整粒粉碎机、分装机等连接，形成全自动化无菌生产线。
热效率高：锥体设计，搅拌部件可换热，使其换热面积大幅度提升，螺带提升搅拌后物料受热均匀。保证了较高的干燥效率。
在线清洗灭菌：配备了CIP清洗、SIP在线灭菌系统，可短时间内实现不同物料的生产转换。
处理能力：物料填充比可达到70%以上。
出料顺畅：出料、取样、卸料顺畅无残留。

INTRODUCTION

Single Cone Vacuum Dryer Series is a set of drying, mixing multifunctional fully enclosed vacuum drying equipment. Mainly for antibiotics, bulk drugs, antibiotics, fine chemicals and other high-level requirements for health powder dry. Equipment design features to meet the latest requirements of GMP and FDA standards, and wash the filter drying machine (triple) or centrifuge filtration and drying systems constitute automatic integration.

ADVANTAGES

Wide compatibility: Since the device as a whole is still fixed on the procedure directly with centrifuges or triple docking, the next process can be directly connected with the whole mill, dispensing machines, etc., to form a fully automated aseptic production line.

High thermal efficiency: cone design, mixing components can heat to greatly enhance the heat transfer area, ribbon enhance stirring material is heated evenly. Ensure a high drying efficiency.

Online Cleaning Sterilization: equipped with CIP cleaning, SIP sterilization system online, enabling production of different materials in a short time to convert.

Capacity: material filling ratio can reach more than 70%.

Smooth the material: the material, sampling, unloading smooth no residue.

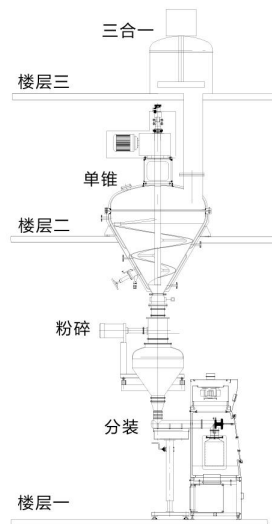
部件功能表 PARTS MENU

型号 Model	容积 (L) Volume(l)	装料系数 (%) Charge coefficient(%)	高度 (mm) Height(mm)
VD1000	1000	50%~80%	2400
VD1500	1500	50%~80%	3300
VD2000	2000	50%~80%	3800
VD3000	3000	50%~80%	4200



工艺流程图 FLOW CHART

跨层垂直布置工艺流程图



耙式真空干燥机 RAKE TYPE VACUUM DRYER

工作原理

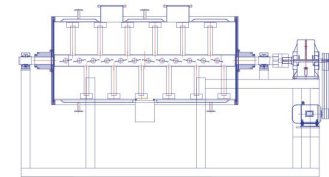
被干燥物料从壳体上方投料加入，在不断转动的耙齿的搅拌下，物料与壳体接触时，表面不断更新。被干燥物料受到蒸汽（热水、导热油）的间接加热，在耙齿的均匀搅拌、粉碎棒的粉碎下，物料内的溶剂快速气化，经干式除尘器、湿式除尘器、冷凝器、真空泵排出放空。

特点

1. 适应性强，干燥速度快。由于耙式干燥机利于夹套加热，高真空排气，所以几乎对所有不同性质、不同状态物料都适用，特别适用于易氧化、易爆、剧毒类、泥浆状、膏状、粉状物料。
2. 设备结构简单，占地小，操作简单，能耗低。
3. 干燥过程中耙齿不断转动，物料干燥均匀。
4. 干燥质量高，干燥后物料含水量达到0.5%~1%，由于耙齿在干燥过程中不断搅拌，成品为粉末状，干燥完毕后直接包装，无需粉碎。
5. 设备故障率低，生产效率高。

WORK

The material is fed from the top of the shell, in the continuous rotation of the tooth under stirring, the material and shell wall contact constantly updated. The material is indirectly heated by steam (hot water, heat transfer oil), in the stirring tooth and crush the rod. Rapid gasification of solvent in materials, the dry dust collector and wet dust collector, a condenser, a vacuum pump exhaust vent.



FEATURES

1. Strong adaptability, fast drying. Due to the jacket heating dryer, high vacuum exhaust, so apply to almost even in different materials, especially suitable for easy oxidation, explosive, toxic, slurry, paste, powder material.
2. The equipment has the advantages of simple structure, small occupation area, simple operation and low energy consumption.
3. Then the continuous rotation of 3 in the process of drying, drying uniformity.
4. high drying quality, after drying the moisture content reaches 0.5%~1%, the tooth stirring continuously during the drying process, the finished product is powder, drying after direct packaging, without crushing.
5. The equipment failure rate is low, high production efficiency.

规格与参数 SPECIFICATIONS AND PARAMETERS

型号 Model	容积（L） Volume (L)	换热面积（m ² ） Heat exchange area(m ²)	电机功率（kw） Motor Power (kw)	转速（rpm） Speed (rpm)
PZG-500L	300	3.2	7.5	8-18
PZG-750L	450	4.4	11	
PZG-1000L	600	5.1	11	
PZG-1500L	900	6.3	15	
PZG-2000L	1200	8.1	15	
PZG-3000L	1800	10.6	18.5	
PZG-4000L	2400	12.3	22	
PZG-5000L	3000	14.2	30	
PZG-6000L	3600	16.5	30	
夹套设计压力：0.3MPa				
内胆设计压力：-0.096MPa				

卧式振动真空干燥机 HORIZONTAL VIBRATING VACUUM DRYER

工作原理

本机主要依靠来自容器底部的激振器产生的机械激振力。使容器产生周期性的震动。使容器内的物料达到流化状态。物料与夹套加热的容器内壁接触传热升温，达到汽化点后在真空下水份汽化外排，使物料快速脱水干燥。

特点

物料呈流化状态，传热效果好，干燥均匀，速率提高，有明显节能效果。可实现无菌操作。内筒可通入高温蒸汽进行灭菌操作，过程方便，迅速、可靠。可真空吸料，振动出料，并可借助机械振力使物料边干燥边破碎，操作简便、省力。真空干燥满足GMP要求，尤适用热敏性物料干燥。系统设置冷凝器受槽后，可回收有机溶剂。

WORK

The machine is mainly relying on the bottom of the shaker container produced from the mechanical exciting force. Periodically shake the container produced. To achieve the flow of material within the container of the state. Materials and jacketed heating vessel wall contact heat transfer heat up to vaporization point of water vaporization in the vacuum outside the row, so that the material quickly dehydrated.

FEATURES

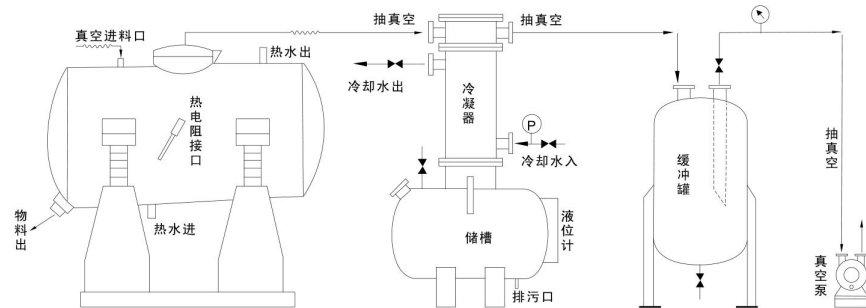
Material was fluidized state, heat transfer is good, even drying rate increased, with a clear energy saving effect. Aseptic operation can be realized. Can pass into the inner cylinder temperature steam sterilization, the process convenient, quick and reliable. Can vacuum suction, vibration, discharge, and materials by mechanical vibration force of the broken edge of drying side, simple, and effort. Vacuum drying to meet the GMP requirements, especially suitable for drying heat sensitive materials. After setting the condenser by the slot system, recyclable organic solvents.



规格与参数 SPECIFICATIONS AND PARAMETERS

型号 Model	换热面积 (m ²) Heat transfer area (m ²)	装料系数 (%) Charge coefficient (%)	电机功率 (kw) Motor Power (kw)	外形尺寸 (长×宽×高) Dimensions (L × W × H)
WZG-100	0.7	<70	0.2	860×680×1200
WZG-200	2.68	<70	0.6	1130×850×1300
WZG-300	2.58	<70	0.6	1380×1180×1500
WZG-500	3.46	<70	0.75	1600×1350×2000
WZG-800	4	<70	1.1	2100×1450×2000
WZG-1000	6	<70	0.75×2	2250×1500×2300
WZG-1200	7.8	<70	1.52×2	2450×1550×2350
WZG-1500	9.5	<70	1.52×2	2650×1550×2500
WZG-2000	12.2	<70	2.46×2	2820×1750×2600

全套装置图 COMPLETE INSTALLATION PLAN



05

立式振动真空干燥机 VERTICAL VIBRATING VACUUM DRYER

工作原理

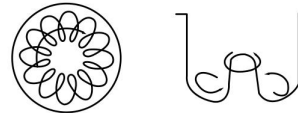
本机主要依靠来自容器底部的激振器产生的机械激振力。使容器产生周期性的震动。由于容器内底部为以圆柱形状，各点的振幅不一，使容器内的物料围绕容器中心轴线公转，又绕圆柱中心翻滚，合成环形螺旋运动，从而达到流化状态。物料与夹套加热的容器内壁接触传热升温，达到汽化点后在真空下水份汽化外排，使物料快速脱水干燥。

WORK

The machine is mainly relying on the bottom of the shaker container produced from the mechanical exciting force. Periodically shake the container produced. The bottom of container to be the cylindrical shape, the amplitude of each point is different, so that the material inside the container revolution around the central axis of the container, and rolling around the cylinder center, synthesis of circular spiral motion, to achieve the flow state. Materials and jacketed heating vessel wall contact heat transfer, heat up to vaporization point of water vaporization in the vacuum outside the row, so that the material quickly dehydrated.

干燥原理 (图) (物料旋转翻动，上下翻动)

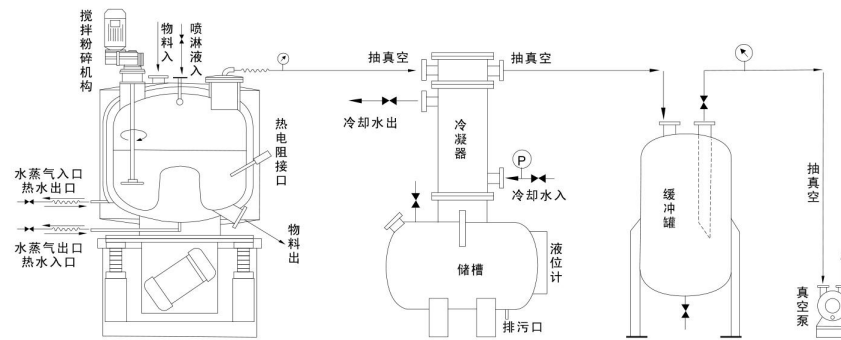
DRYING PRINCIPLE (FIGURE) (MATERIAL ROTATE FLIP, FLIP UP AND DOWN)



规格与参数 SPECIFICATIONS AND PARAMETERS

型号 Model	换热面积 (m ²) Heat transfer area (m ²)	装料系数 (%) Charge coefficient (%)	电机功率 (kw) Motor Power (kw)	外形尺寸 (Φ×高) Dimensions (Φ×H)
LZG-100	1.87	<60	0.75	Φ900×1860
LZG-300	2.85	<60	0.75	Φ1100×1860
LZG-500	3.5	<60	1.1	Φ1200×2500
LZG-1000	6	<60	1.5×2	Φ1500×3100
LZG-2000	8.5	<60	2.2×2	Φ1800×3160
LZG-150	2.36	<60	1.1×2	Φ900×1860
LZG-850	5.06	<60	1.5×2	Φ1600×2200

全套装置图 COMPLETE INSTALLATION PLAN



06

FZG(方形)真空干燥箱 FZG(SQUARE VACUUM DRYER)

工作原理

- 1.FZG(方形)真空干燥箱属于静态式真空干燥机。物料在静态入干燥器内干燥时,物料处于静止状态,形体不会损坏,干燥前还可进行消毒处理。
- 2.真空状态下物料溶剂的沸点降低,适用于干燥不稳定或热敏性物料;真空干燥箱有良好的密封性,所以又适用于干燥需要回收溶剂和含强烈刺激、有毒气体的物料。

适用范围

广泛应用于制药、化工、食品、染料等行业,符合GMP要求。

WORKING

Model FZG square vacuum drier belongs to static drier. When raw material is dried in static drier, raw material is in static state and its shape can not be destroyed. Before drying it can carry out the treatment of disinfection. When raw material is dried in dynamic drier, raw material is turned over ceaselessly. So it can be dried better and more uniformly.

SCOPE

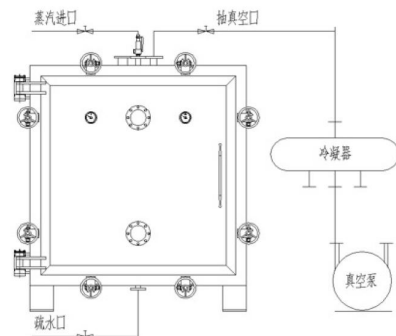
Widely used for pharmaceutical industry, chemical industry, foodstuff industry, dyestuff industry and so on. Conformity with the requirement of GMP.



规格与参数 SPECIFICATIONS AND PARAMETERS

规格	内净尺寸	外形尺寸	烘架层数	层间距离	烘盘尺寸	烘盘数	烘架管内工作压力 (MPa)	烘箱工作温度 °C	空载真空度 (MPa)	设备重量
Model	Net size	Dimension	Rack layer	Distance	Pan size	Pan	Pressure	Temperature	No-load vacuum	Weight
FZG-4	700x800x850	1125x1095x1690	4	81	460x600x45	4	≤0.784	-35~150	-0.1Mpa	250
FZG-6	850x850x1220	1275x1145x1880	4	120	460x600x45	8	≤0.784	-35~150	-0.1Mpa	600
FZG-10	1500x1220x1060	1925x1515x1720	5	120	460x640x45	20	≤0.784	-35~150	-0.1Mpa	1400
FZG-15	1500x1220x1400	1925x1515x2060	8	120	460x640x45	32	≤0.784	-35~150	-0.1Mpa	2100
FZG-25	1560x1580x1650	1985x1875x2310	11	120	460x640x45	60	≤0.784	-35~150	-0.1Mpa	3500

全套装置图 COMPLETE INSTALLATION PLAN



YZG(圆形)真空干燥箱 YZG SQUARE VACUUM DRIER

工作原理

- 1.YZG(圆形)真空干燥箱属于静态式真空干燥机。物料在静态入干燥器内干燥时,物料处于静止状态,形体不会损坏,干燥前还可进行消毒处理。
- 2.真空状态下物料溶剂的沸点降低,适用于干燥不稳定或热敏性物料;真空干燥箱有良好的密封性,所以又适用于干燥需要回收溶剂和含强烈刺激、有毒气体的物料。

适用范围

广泛应用于制药、化工、食品、染料等行业,符合GMP要求。

WORKING

Model YZG round vacuum drier belongs to static drier. When raw material is dried in static drier, raw material is in static state and its shape can not be destroyed. Before drying it can carry out the treatment of disinfection. When raw material is dried in dynamic drier, raw material is turned over ceaselessly. So it can be dried better and more uniformly.

SCOPE

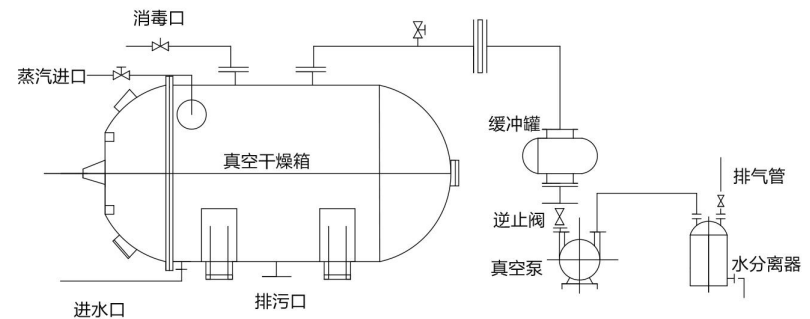
Widely used for pharmaceutical industry, chemical industry, foodstuff industry, dyestuff industry and so on. Conformity with the requirement of GMP.



规格与参数 SPECIFICATIONS AND PARAMETERS

规格	内净尺寸	外形尺寸	烘架层数	层间距离	烘盘尺寸	烘盘数	烘架管内工作压力 (MPa)	烘箱工作温度 °C	空载真空度 (MPa)	设备重量
Model	Net size	Dimension	Rack layer	Distance	Pan size	Pan	Pressure	Temperature	No-load vacuum	Weight
YZG-600	Ø600x980	1135x810x1020	4	80	310x600x45	4	≤0.784	35~150	-0.1	250
YZG-800	Ø800x1250	1700x1045x1335	4	80	520x410x45	4	≤0.784	35~150	-0.1	600
YZG-1000	Ø1000x1530	1700x1190x1500	6	100	420x410x45	12	≤0.784	35~150	-0.1	800
YZG-1400	Ø1400x2050	2390x1680x1920	8	100	460x640x45	32	≤0.784	35~150	-0.1	1400
YZG-1500	1500x1050x1400	1700x1300x1850	8	120	460x640x45	32	≤0.784	35~150	-0.1	2100

全套装置图 COMPLETE INSTALLATION PLAN



V型混合机 V-MIXER

工作原理及特点

- 1、本机结合国内外同类产品优点，采用真空吸料和蝶阀出料，实行无尘操作。
- 2、V型不对称混合筒体结构新颖，物料具有独特的四方向混和运动轨迹，较一般V型混合效果好，混合精度高，速度快。

适用范围

本机适用于制药、化工、食品、冶金、电子、塑料、陶瓷、饲料等行业的干粉或颗粒状物料的混合。

WORKING PRINCIPLES AND CHARACTERIS

- 1, the machine combines the advantages of similar products at home and abroad, the use of vacuum suction and discharge valve, the implementation of dust-free operation.
- 2, V-type novel asymmetric hybrid tube structure, the direction of the material has a unique blend of four trajectory instead of the usual V-mixing is good, mix of high precision and speed.

SCOPE

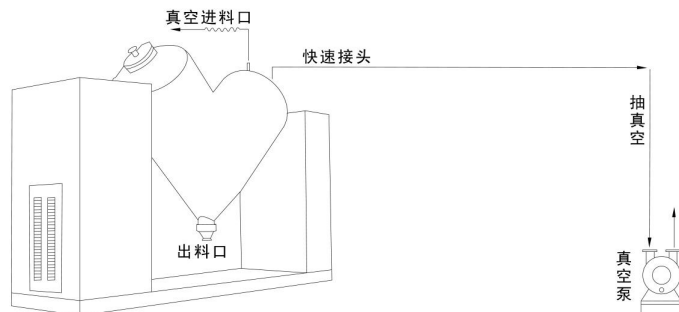
This machine is suitable for pharmaceutical, chemical, food, metallurgy, electronics, plastics, ceramics, feed and other industries powder or granular material mixed.



规格与参数 SPECIFICATIONS AND PARAMETERS

型号 Model	容积 (L) Volume (L)	装料系数 (%) Charge coefficient (%)	电机功率 (kw) Motor Power (kw)	外形尺寸 (长×宽×高) Dimensions (L × W × H)
V200	200	< 50%	1.5	2000 × 1100 × 1900
V500	500	< 50%	2.2	2500 × 1200 × 2200
V1000	1000	< 50%	4	3100 × 1450 × 2800
V1500	1500	< 50%	5.5	3500 × 1500 × 3200
V2000	2000	< 50%	5.5	4100 × 1500 × 3550
V3000	3000	< 50%	7.5	4550 × 1600 × 4000

全套装置图 COMPLETE INSTALLATION PLAN



不锈钢双锥型混合机 STAINLESS STEEL DOUBLE CONE TYPE MIXER

工作原理及特点

- 1、本机结合国内外同类产品优点，采用真空吸料和蝶阀出料，实行无尘操作。
- 2、双锥形混合筒体结构新颖，物料具有独特的四方向混合运动轨迹，较一般混合机 效果好，混和精度高，速度快，容积大。

适用范围

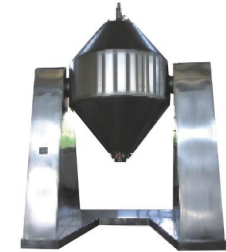
本机适用于制药、化工、食品、冶金、电子、塑料、陶瓷、饲料等行业的干粉或颗粒状物料的混合。

WORKING PRINCIPLES AND CHARACTERISTICS

- 1, the machine combines the advantages of similar products at home and abroad, the use of vacuum suction and discharge valve, the implementation of dust-free operation.
- 2, double-cone mixed-cylinder structure is new, the material has a unique four-direction mixture of motion trajectories, a better mixed effect than ordinary mixer, high mixing precision, high speed, large volume.

SCOPE

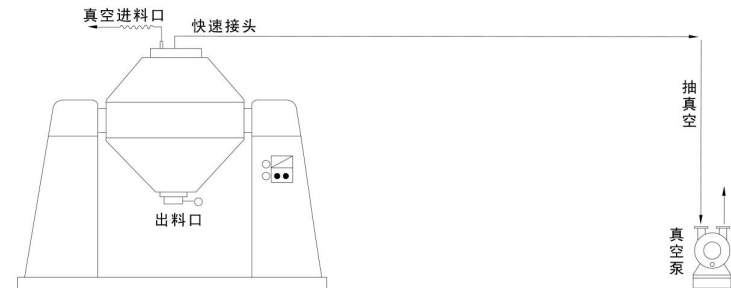
This machine is suitable for pharmaceutical, chemical, food, metallurgy, electronics, plastics, ceramics, feed and other industries powder or granular material mixed.



规格与参数 SPECIFICATIONS AND PARAMETERSTICS

型号 Model	容积 (L) Volume (L)	装料系数 (%) Charge coefficient (%)	电机功率 (kw) Motor Power (kw)	外形尺寸 (长×宽×高) Dimensions (L × W × H)
SZH-300	300	< 60%	1.1	1500 × 800 × 1400
SZH-500	500	< 60%	1.5	1960 × 1200 × 2000
SZH-1000	1000	< 60%	2.2	2250 × 1200 × 2450
SZH-1500	1500	< 60%	3	2700 × 1500 × 2750
SZH-2000	2000	< 60%	4	2650 × 1500 × 3000
SZH-3000	3000	< 60%	7.5	3500 × 1600 × 3530
SZH-4000	4000	< 60%	7.5	3300 × 1700 × 3750
SZH-5000	5000	< 60%	15	3650 × 2000 × 3900
SZH-6000	6000	< 60%	15	3850 × 2000 × 4150
SZH-10000	10000	< 60%	18.5	5000 × 2000 × 4600

全套装置图 COMPLETE INSTALLATION PLAN



粉体计量分装系统 POWDER METROLOGICAL PACKING SYSTEM

工作原理

本系统由干燥系统、筛分系统、粉碎系统、计量分装系统、PLC控制系统组成。系统采用真空泵所产生的负压实现了物料在双锥干燥完成之后的转移、筛分、粉碎、计量分装等工序的连续生产。杜绝了粉尘对工作环境、周边环境和操作人员带来的污染和伤害。符合GMP要求，适用于制药、食品、化工、电池等行业。

特点

该系统主要用于工业自动化的称重配料，它对粉状、散粒状物料进行连续输送、精确计量、自动配料，能够实现多种物料的精确配比混合加料，为生产节省大量的劳动力。

WORK

The system consists of drying system, screening system, crushing system, metering and loading system, and PLC control system. The negative pressure produced by vacuum pump is used in the system to realize the continuous production of material transfer, screening, crushing, metering and packing after the completion of double cone drying. Dust pollution and damage to working environment, surrounding environment and operators are eliminated. It meets GMP requirements and is suitable for pharmaceutical, food, chemical, battery and other industries.

FEATURES

The system is mainly used for weighing and proportioning of industrial automation. It carries out continuous transportation, accurate measurement and automatic proportioning of powder and granular materials. It can realize the accurate proportioning and mixing of various materials and save a lot of labor for production.

系统工艺流程图 SYSTEM PROCESS FLOW CHART

干燥
Drying出料
Discharge缓冲料仓
Buffer silo筛分
Screening粉碎
Smash计量分装
Packing

粉体计量分装系统 POWDER METROLOGICAL PACKING SYSTEM

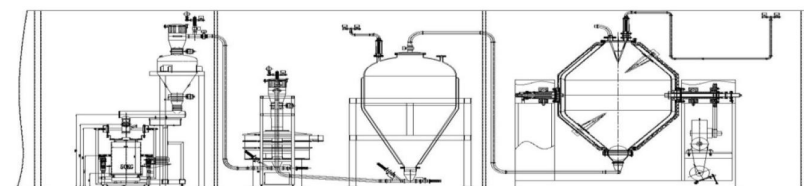
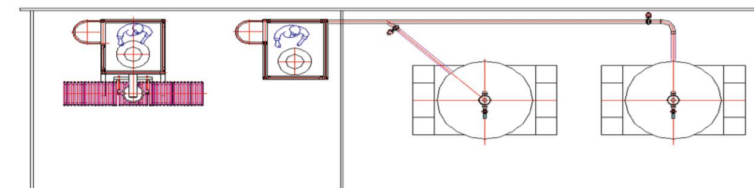
特点 CHARACTERISTIC

高效、智能
Efficient & Intelligence洁 净
GMP安 全
Safety

设备参数 Equipment parameters

物料装载重量：10-25KG	Material Loading Weight：10-25KG
装载速度：90s	Loading speed：90s
适用物料：颗粒、粉末	Applicable materials: granules and powders

系统工艺流程图 SYSTEM PROCESS FLOW CHART

计量分装系统
Packing筛分系统
Screening
system中转料仓
Storage
bin干燥机
Drying
equipment

全自动无菌提升混合机 AUTOMATIC ASEPTIC ENHANCE MIXER

工作原理

全自动无菌提升混合机是在吸收消化西欧国家先进技术的基础上，自行开发研制而成的。该机设计合理、结构紧凑、运行稳定、物料混合均匀度高、操作简便，符合制药业“GMP”规范，完全能满足固体制剂密闭生产工艺流程，是固体粉粒状物料混合的理想设备。

全自动无菌提升混合机由混合料桶、提升回转机构、程序控制系统三大部份组成。在混合料桶内配备不锈钢无动力导流板，使物料在混合料桶旋转时形成多维运动状态，确保物料混合的均匀性。

功能与特点

- 1、该机能同时适用四种不同容积规格的混合料桶，满足大批量、多品种的生产需求，达到一机多用，还可与其他分体处理设备配套使用。
- 2、该机采用PLC程序控制，触摸屏操作显示，变频调速，能自动完成混合的全部程序，并具有人机界面及生产数据储存打印功能。
- 3、该机采用机械传动方式，避免了由液压传动而引起的漏油及由此导致的环境污染和药品质量问题。
- 4、该机混合料桶可拆卸，使物料在生产过程中不需要频繁转料，从而防止了料尘飞扬和交叉污染，优化了物料转运工序，清洗方便，配合SIP/CIP清洗站，可以在线清洗和灭菌。
- 5、该机设置了双道红外线探测器、声光报警安全装置及减震装置，操作简便、运行稳定。
- 6、料筒容积、混合转速、提升高度、偏转角度可根据客户需求定制。
- 7、在特殊区域可做穿墙布置。

WORKS

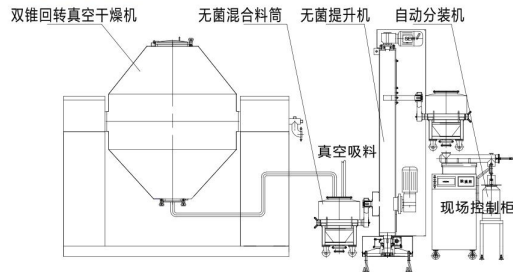
Automatic aseptic improve mixing machine is in the digestion and absorption of advanced technology on the basis of Western European countries, developed into a. This machine is reasonable in design, compact structure, stable operation, material mixing uniformity, simple operation, in accordance with the pharmaceutical industry "GMP" specification, can fully meet the solid preparation of closed production process, is the ideal equipment for granular materials mixed solid powder.

Automatic aseptic improve mixing machine is composed of the material mixing barrel, lifting rotary mechanism, procedure control system three parts. In the material mixing barrel is equipped with stainless steel without power diversion plate, so that the material forming the multi-dimensional movement barrel rotation when mixed, to ensure the uniformity of mixed materials.

FUNCTIONS AND FEATURES

- 1, the function at the same time for four different volume specifications, satisfy the mass, the variety of production needs, to achieve a multi-purpose machine, also can with other processing equipment supporting the use of.
- 2, the machine adopts PLC control, touch screen display, frequency control, can automatically complete the program mixed, and a man-machine interface and data storage function of printing production.
- 3, the machine adopts mechanical drive way, avoid by hydraulic transmission caused by the oil spill and the resulting environmental pollution and drug quality problems.
- 4, the mixing barrel can be disassembled, so that the material in the production process does not need frequent transfer material, from the surface to prevent the material dust and cross contamination, optimize the material handling process, convenient cleaning, with SIP/CIP cleaning stations, online cleaning and sterilization.
- 5, the machine is provided with double channel infrared detectors, sound and light alarm safety device and a damping device, easy operation, stable operation.
- 6, volume of barrel, mixing speed, height, angle of deflection can be customized according to customer demand.
- 7, in the special area can be arranged through the wall.

工艺流程图 FLOW CHART



ZSL真空上料机 ZSL VACUUM APPENDING MACHINE

工作原理

启动后，压缩空气进入真空发生器，同时料斗的放料门关闭，料斗中产生真空。通过真空气流的作用，被输送的物料经软管被输送到真空料斗中，同时料斗的放料门在气缸的推动下开启，物料从放料门自动放入受料设备中。同时，储存在汽包中的压缩空气反吹过滤器，过滤器自动清洗，周而复始，物料被源源不断地送入受料设备中。

适用范围

气动式真空上料机是利用压缩空气通过真空发生器产生高真空实现对物料的输送，不需要机械式真空泵，减轻了工人的劳动强度，杜绝了粉尘污染。该机具有结构简单、体积小、免维修、噪音低、控制方便、消除物料静电和符合GMP要求等特点。真空发生器产生的高真空，使被输送的物料杜绝了分层现象，保证了混合成分的均一性，是粉碎机、筛分机、混合机、干法制粒机、压片机、胶囊填充机、包装机等机械自动上料的首选设备。

WORKING

After start-up, compressed air getting into the vacuum generator, at the same time, the discharge door of hopper is closed, and the hopper becomes vacuum. Through the vacuum airflow, the conveyed material by the hose is transported to the vacuum hopper, concurrently the hopper discharge door is opening under the promoting of the air cylinder, the material from the discharge door automatically into the receiving equipment, and the compressed air stored in the air bag back flush filter, the filter is cleaning itself automatically, running in cycle, the material is set into the receiving equipment constantly.

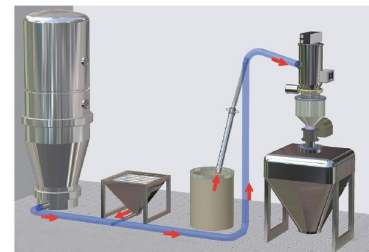
PRINCIPLE

Pneumatic vacuum feeding machine is using compressed air via the vacuum generator producing high vacuum to realize the transport of the material, don't need a mechanical vacuum pump. The machine can reduce the labor intensity of the workers, and prevent dust pollution. The machine has the characteristics of simple structure, small volume, free repair, low noise convenient control, eliminating the static electricity of materials and meeting the requirements of GMP. High vacuum generator make the conveyed material eliminate the stratification phenomenon, and ensure the uniformity of mixture components. It is the first selection of automatic feeding device, such as grinder machine, screening machine, mixing machine, dry granulator, tablet press, capsule filling machine, packing machine and so on.



全套装置图

COMPLETE INSTALLATION PLAN



规格与参数 SPECIFICATIONS AND PARAMETERS

型号 Model	输送量 (Kg/h) Transport capacity	耗气量 (L/min) Air consumption	供气压力 (MPa) Pressure	外形尺寸(长宽高) Dimensions(LxWxH)
ZSL-1	350	180	0.6	140x575
ZSL-2	700	360	0.6	220x780
ZSL-3	1500	720	0.6	290x850
ZSL-4	3000	1440	0.6	420x1150
ZSL-5	6000	2880	0.6	420x1250
ZSL-6	9000	4320	0.6	420x1350

污泥低温带式干化机 THE LOW-TEMPERATURE BELT DRIERS

工作原理

利用除湿热泵对污泥采用热风循环的方式烘干：
热泵干化中只需要输入1kW电功率，可获得3~5kW传统干化加热功率。

除湿热泵：是利用热泵原理回收水蒸气潜热和空气显热，再加热空气的一种装置。

除湿热泵= 除湿(冷凝去湿)+热泵(能量回收)

技术特点

高效 减重80%/减容67%

一步到位：可直接将83%含水率污泥干化至10%，无需分段处置干化彻底：可得到10%含水率污泥。

节能 1度电可除水3~4Kg

采用热泵热回收技术，密闭式干化模式无废热排放；

安全 低温\低粉尘\无摩擦

80℃以下低温干化；

静态堆放，与接触面无机械静电摩擦；

干料为颗粒状，无粉尘危险；

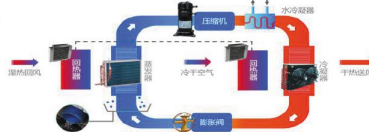
出料温度低(<50℃)，无需冷却，直接储存。

环保 无废气\无二次污染

密闭循环干化，无排风，无臭气外溢；

采用低温干化，H₂S、NH₃析出量大大减少；

冷凝水(污泥水份)处置简单。



WORKING PRINCIPLES

Use desiccant heat pump on the sludge with the method of hot air circulation drying;

In the heat pump drying need only enter 1 kw electric power, can obtain 3 ~ 5 kw traditional dry heating power.

Desiccant heat pump: is the use of refrigeration system to make hot and humid air cooling dehumidifying, at the same time, through the principle of heat pump back to water vapor latent heat and sensible heat air, a device of heating air again.

Desiccant heat pump (condensation dehumidification) + = dehumidification heat pump (energy recovery)

WORKING CHARACTERIS

Effective weight loss 80% / allow 67% reduction

One pace reaches the designated position, can be directly to 83% moisture content of sludge drying to 10%, without block disposal

Can get 10% moisture content of sludge drying thoroughly..

1 KWH energy saving can be in addition to water 3 ~ 4 kg

Using heat pump heat recovery technology, closed drying mode without waste heat discharge;

Safety, low dust, no friction at low temperature

Low temperature drying under 80 °C;

Static stall, with no mechanical contact static friction;

Dry for granular, no dust danger;

Discharging temperature is low (< 50 °C) without cooling, storage directly.

No gas, no secondary pollution of environmental protection

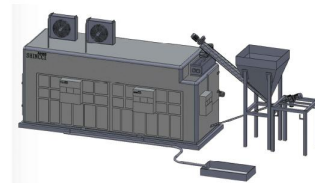
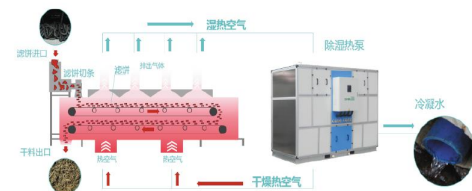
Closed loop dry, no wind, no odor spillover;

Using low temperature drying, H₂S, NH₃ precipitation quantity greatly reduced;

Condensate (sludge moisture) simple disposal.

全套装置图

COMPLETE INSTALLATION PLAN



污泥低温带式干化机 THE LOW-TEMPERATURE BELT DRIERS

规格与参数 SPECIFICATIONS AND PARAMETERSTICS

型号	CQD600FL	CQD1200FL	CQD2400FL	CQD3600FL	CQD4800FL	CQD6000FL
减重量/24h	600kg	1200kg	2400kg	3600kg	4800kg	6000 kg
减重量/h	25kg	50kg	100kg	150kg	200kg	250kg
总功率	9kw	15kw	27kw	41kw	55kw	69kw
热泵模块数	1台	1台	1台	3台	2台	5台
压缩机台数	1台	1台	4台	3台	6台	5台
冷却方式	风冷FL					
制冷剂	R134a					
电源	380V/3H/50Hz					
干燥温度	40 ~ 58℃(湿风)/65 ~ 75℃(送风)					
控制系统	触摸屏+PLC可编程控制器					
污泥适用范围	含水率(50%-85%)					
干料含水	变频调节 含水率(10%-60%)					
成型方式	切条(60%-85%)					
外形尺寸mm	2830-1350-2350	2500-2550-2350	4800-2700-2500	5300-2550-2350	7000-2700-2500	8100-2550-2350
结构形式	整装	组装	组装	组装	组装	组装
重量	1.6吨	2.1吨	3.4吨	4.6吨	6.2吨	7.1吨

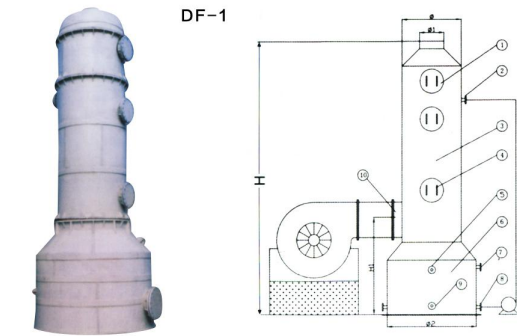
型号	CQD7200FL	CQD9600SL	CQD12000SL	CQD14400SL	CQD16800SL	CQD19200SL
减重量/24h	7200kg	9600kg	12000kg	14400kg	16800kg	19200kg
减重量/h	300kg	400kg	500kg	600kg	700kg	800kg
总功率	83kw	111kw	138kw	166kw	194kw	222kw
热泵模块数	3台	2台	5台	3台	7台	4台
压缩机台数	12台	8台	20台	12台	28台	15台
冷却方式	风冷FL					
制冷剂	R134a					
电源	380V/3H/50Hz					
干燥温度	40 ~ 58℃(湿风)/65 ~ 75℃(送风)					
控制系统	触摸屏+PLC可编程控制器					
污泥适用范围	含水率(50%-85%)					
干料含水	变频调节 含水率(10%-50%)					
成型方式	切条(60%-85%)					
外形尺寸mm	9700-2700-2500	8250-3300-3000	15100-2700-2500	11350-3300-3000	20500-2700-2500	14850-3300-3000
结构形式	组装	组装	组装	组装	组装	组装
重量	9.0吨	10.2吨	13.8吨	14.4吨	18.6吨	16.6吨

型号	CQD21600SL	CQD24000SL	CQD26400SL	CQD28000SL	CQD31200SL	CQD33600SL
减重量/24h	21600kg	24000kg	26400kg	28000kg	31200kg	33600 kg
减重量/h	900kg	1000kg	1100kg	1200kg	1300kg	1400kg
总功率	250kw	277kw	305kw	333kw	361kw	389kw
热泵模块数	9台	5台	11台	6台	13台	7台
压缩机台数	36台	20台	44台	24台	52台	28台
冷却方式	水冷SL					
制冷剂	R134a					
电源	380V/3H/50Hz					
干燥温度	40 ~ 58℃(湿风)/65 ~ 75℃(送风)					
控制系统	触摸屏+PLC可编程控制器					
污泥适用范围	含水率(50%-85%)					
干料含水	变频调节 含水率(10%-50%)					
成型方式	切条(60%-85%)					
外形尺寸mm	25900-2700-2500	18150-3300-3000	31300-2700-2500	21450-3300-3000	38700-2700-2500	24750-3300-3000
结构形式	组装	组装	组装	组装	组装	组装
重量	23.4吨	21.4吨	28.2吨	25.6吨	33.0吨	29.8吨

型号	CQD36000SL	CQD38400SL	CQD40800SL	CQD43200SL	CQD45600SL	CQD48000SL
减重量/24h	36000kg	38400kg	40800kg	43200kg	45600kg	48000 kg
减重量/h	1500kg	1600kg	1700kg	1800kg	1900kg	2000kg
总功率	418kw	444kw	472kw	500kw	527kw	555kw
热泵模块数	15台	8台	17台	9台	19台	10台
压缩机台数	60台	32台	68台	36台	76台	40台
冷却方式	水冷SL					
制冷剂	R134a					
电源	380V/3H/50Hz					
干燥温度	40 ~ 58℃(湿风)/65 ~ 75℃(送风)					
控制系统	触摸屏+PLC可编程控制器					
污泥适用范围	含水率(50%-85%)					
干料含水	变频调节 含水率(10%-50%)					
成型方式	切条(60%-85%)					
外形尺寸mm	42100-2700-2500	28050-3000-3000	47500-2700-2500	31350-3300-3000	52900-2700-2500	34650-3300-3000
结构形式	组装	组装	组装	组装	组装	组装
重量	37.8吨	34.0吨	42.6吨	38.2吨	47.4吨	42.4吨

聚丙烯废气净化塔、尾气吸收塔、洗涤塔 POLYPROPYLENE EXHAUST GAS PURIFICATION TOWER/EXHAUST ABSORB TOWER/SCRUBBER

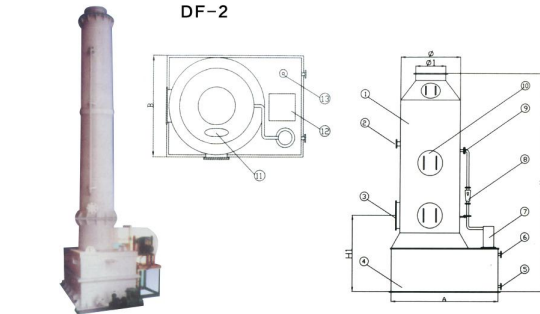
聚丙烯废气净化塔、尾气吸收塔、洗涤塔 POLYPROPYLENE EXHAUST GAS PURIFICATION TOWER/EXHAUST ABSORB TOWER/SCRUBBER



DF-1

部件功能表 PARTS MENU

序号 Model	部件名称 Part Name	材料 Materials	备注 Remarks
1	检修口 Manhole	PP/PVC	可作视窗口 Can be used as the window
2	喷淋口 Mouth spray	PP	可作视窗口 Can be used as the window
3	塔体 Wind tower	PP	
4	填料进出口 Export packing	PP/PVC	
5	进水口 Intake	PP	
6	贮液室 Liquid storage room	PP	
7	溢流口 Overflow	PP	
8	循环出水口 Recycling outlet	PP	
9	排污口 Outfall	PP	
10	进风口 Inlet	PP	



DF-2

部件功能表 PARTS MENU

序号 Model	部件名称 Part Name	材料 Materials	备注 Remarks
1	主箱体 Part Name	PP	1
2	除雾收集液出口 Export desolting exudate	PP	1
3	进风口 Wind inlet	PP	1
4	循环水箱 Circulating water tank	PP	1
5	排污口 Outfall	PP	1
6	溢流口 Overflow	PP	1
7	液体泵 Liquid pumps	PP	1
8	流量计 Flowmeter	PVC	1
9	喷淋口 Mouth spray	PP	1
10	检修口 Manhole	PP	2
11	收集器检修口 Manhole collector	PP	1
12	循环水箱检修口 Circulating water tank access door	PP	1
13	进风口 Intake	PP	1



DF-3

部件功能表 PARTS MENU

序号 Nominal volume	1	2	3	4	5	6	7	8	9	10	11
部件名称 Part Name	进风口 Inlet	喷淋口 Mouth spray	检修口 Manhole	视窗 Windows	阀门 Valve	耐酸泵 (acid-resistant pump)	配料箱 Ingredient box	补液口 Dial replenishment	溢流口 Overflow	排污口 Outfall	出风口 Outlet
材料 Materials	PP	PP	PP	PVP	RPP	RPP	PP	PP	PP	PP	PP

结构特点及应用范围

设备采用聚丙烯全塑制造，广泛应用于化工、医药、石油等行业生产过程中的尾气，废气等吸收和净化处理，达标排放。

使用条件及安装要求

设备使用应符合材料使用条件，工作温度-5℃~80℃。安装应紧固设备底部螺栓，必要时安装防风钢绳。

STRUCTURAL FEATURES AND APPLICATIONS

Polypropylene plastic manufacturing equipment, widely used in chemical, pharmaceutical, oil and other industries in the process of gas production, gas and other absorption and purification, emissions standards.

TERMS OF USE AND INSTALLATION REQUIREMENTS

Equipment shall comply with the material conditions, working temperature -5℃ ~ 80℃. Installation should be the end of bolt tightening equipment necessary to install wind rope.

DF-I系列净化塔外型规格及技术指标

DF-I SERIES OF PURIFICATION TOWER FORM FACTOR AND TECHNOLOGY INDICATORS

型号 Model	处理风量 m³/h Air volume m³/h	Φ	Φ1	Φ2	H1	H	净化率 (90%) Purification rate (90%)	推荐水泵 Recommended Pump
DF-I-500	1200	500	200	800	1200	3500	90%	25FP-8
DF-I-600	2000	600	200	1000	1200	3500	90%	25FP-8
DF-I-700	3000	700	300	1000	1400	4000	90%	32FP-11
DF-I-800	4000	800	300	1200	1400	4000	90%	32FP-11
DF-I-1000	5000	1000	400	1400	1400	4500	90%	40FP-18
DF-I-1200	6000	1200	450	1600	1600	4500	90%	40FP-18
DF-I-1400	8000	1400	500	1800	1600	5000	90%	50FP-22
DF-I-1600	10000	1600	600	2000	1800	5000	90%	50FP-22
DF-I-1800	15000	1800	700	2200	2000	5500	90%	50FP-22
DF-I-2000	20000	2000	800	2400	2200	5500	90%	65FP-26
DF-I-2200	25000	2200	1000	2600	2500	6000	90%	65FP-26
DF-I-2500	30000	2500	1000	2800	2500	6000	90%	65FP-26

DF-II系列净化塔外型规格及技术指标

DF-II SERIES OF PURIFICATION TOWER FORM FACTOR AND TECHNOLOGY INDICATORS

型号 Model	处理风量 m³/h Air volume m³/h	Φ	Φ1	H1	H	A	B	净化率 (90%) Purification rate (90%)	推荐水泵 Recommended Pump
DF-II-500	1200	500	200	1200	3500	1500	800	90%	25FP-8
DF-II-600	2000	600	200	1200	3500	1500	1000	90%	25FP-8
DF-II-700	3000	700	300	1400	4000	1600	1200	90%	32FP-11
DF-II-800	4000	800	300	1400	4000	1600	1400	90%	32FP-11
DF-II-1000	5000	1000	400	1400	4500	1800	1600	90%	40FP-18
DF-II-1200	6000	1200	450	1600	4500	2000	1800	90%	40FP-18
DF-II-1400	8000	1400	500	1600	5000	2200	2000	90%	50FP-22
DF-II-1600	10000	1600	600	1800	5000	2500	2200	90%	50FP-22
DF-II-1800	15000	1800	700	2000	5500	2600	2400	90%	50FP-22
DF-II-2000	20000	2000	800	2200	5500	2800	2600	90%	65FP-26
DF-II-2200	25000	2200	1000	2500	6000	3000	2800	90%	65FP-26
DF-II-2500	30000	2500	1000	2500	6000	3200	3000	90%	65FP-26

DF-III型系列废液净化塔外型规格及技术指标

DF-III SERIES WASTE PURIFICATION TOWER FORM FACTOR SPECIFICATIONS

序号 ITEM	处理风量 m³/h Air volume m³/h	外形长度 Overall length	外形高度 Overall height	外形宽度 Overall Width
DF-III-500	1200	2500	1000	1200
DF-III-600	2000	2500	1100	1300
DF-III-700	3000	3000	1200	1400
DF-III-800	4000	3000	1300	1500
DF-III-1000	5000	3500	1400	1600
DF-III-1200	6000	3500	1600	1800
DF-III-1400	8000	4000	1800	2000
DF-III-1600	10000	4000	2000	2200
DF-III-1800	15000	4500	2200	2400
DF-III-2000	20000	5000	2500	2600
DF-III-2200	25000	5500	2600	2800
DF-III-2500	30000	6000	2800	3000

立式水膜除尘器 VERTICAL WATER FILM DUST

结构特点及用途

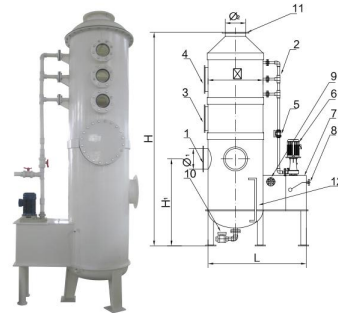
设备特点：采用聚丙烯制造，广泛应用于化工、医药、石油、农药、机械加工等行业生产过程中的尾气、废气等吸收和净化处理，达标排放。

用途：湿式除尘器可以有效地将直径为 $0.1\sim 20\mu\text{m}$ 的液态或固态粒子从气流中除去。同时，也能脱除部分气态污染物。具有设备投资少、结构比较简单、除尘效率较高。设备本身一般无活动部件，操作及维修方便、占地面积少等优点。能够同时进行有害气体的净化、烟气的降温冷却和增湿，特别适用于处理高温和有易燃可能性的气体。此外，在操作时能有效地防止粉尘的二次扬尘。

使用温度： $-5\sim 80^\circ\text{C}$ 工作温度。

使用条件：

适用于非纤维性的、能受冷且与水不发生化学反应的含尘气体，不适用处理粘性较大的粉尘，含有憎水性和水硬性粉尘的气体。



立式设备外形尺寸表

外形尺寸	H	H ₁	Ø	Ø ₁	Ø ₂	L
单位(mm)	3150	1260	Ø800	Ø300	Ø300	1450

STRUCTURAL CHARACTERISTICS AND USES

Features: the use of polypropylene, widely used in chemical, pharmaceutical, petroleum, and other industries in the production process exhaust, exhaust and other absorption and purification treatment, discharge standards.

Uses: Wet dust can effectively be of a diameter of $0.1\sim 20\mu\text{m}$ removing liquid or solid particles from the gas stream. While also removing some of gaseous pollutants. With less investment in equipment, the structure is relatively simple, high collection efficiency. The device itself is generally no easy moving parts, operation and maintenance, small footprint and so on. Capable of cleaning a harmful gas, while cooling and humidifying the flue gas cooling, humidity and particularly suitable for handling the possibility of flammable gas. Further, when the operation can effectively prevent the secondary dust dust.

Conditions of use:

Temperature: $-5\sim 80^\circ\text{C}$ operating temperature.

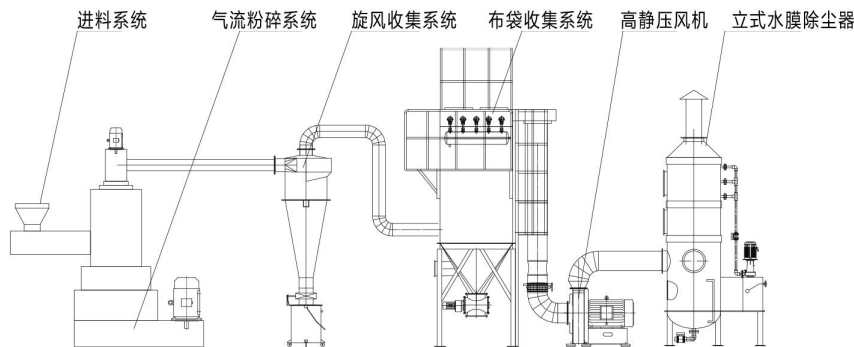
For non-fibrous, can be affected by dust and gas cooler does not react with water, the NA of the dust handling viscous, hard water containing hydrophobic dust and gas.

Parts menu

部件功能表 PARTS MENU

序号 Sequence number	1	2	3	4	5	6	7	8	9	10	11	12
部件名称 Part name	进风口 Inlet	喷淋口 Mouth spray	检修口 Manhole	视窗 Windows	阀门 Valve	耐腐蚀泵 Corrosion-resistant pump	配料箱 Ingredients Box	补水口 Rehydration mouth	溢流口 Overflow	排污口 Outfall	出风口 Outlet	液位计 Level Meter
材料 Material	PP	PP	PP	PVP	RPP	RPP	PP	PP	PP	PP	PP	PP

工艺流程图 FLOW CHART



卧式水膜除尘器 HORIZONTAL WATER FILM DUST

结构特点及用途

设备特点：

采用聚丙烯制造，广泛应用于化工、医药、石油、农药、机械加工等行业生产过程中的尾气、废气等吸收和净化处理，达标排放。

用途：湿式除尘器可以有效地将直径为 $0.1\sim 20\mu\text{m}$ 的液态或固态粒子从气流中除去。同时，也能脱除部分气态污染物。具有设备投资少、结构比较简单、除尘效率较高。设备本身一般无活动部件，操作及维修方便、占地面积少等优点。能够同时进行有害气体的净化、烟气的降温冷却和增湿，特别适用于处理高温和有易燃可能性的气体。此外，在操作时能有效地防止粉尘的二次扬尘。

使用温度： $-5\sim 80^\circ\text{C}$ 工作温度。

使用条件：

适用于非纤维性的、能受冷且与水不发生化学反应的含尘气体，不适用处理粘性较大的粉尘，含有憎水性和水硬性粉尘的气体。



STRUCTURAL CHARACTERISTICS AND USES

Structural characteristics and uses

Features: the use of polypropylene, widely used in chemical, pharmaceutical, petroleum, and other industries in the production process exhaust, exhaust and other absorption and purification treatment, discharge standards.

Uses: Wet dust can effectively be of a diameter of $0.1\sim 20\mu\text{m}$ removing liquid or solid particles from the gas stream. While also removing some of gaseous pollutants. With less investment in equipment, the structure is relatively simple, high collection efficiency. The device itself is generally no easy moving parts, operation and maintenance, small footprint and so on. Capable of cleaning a harmful gas, while cooling and humidifying the flue gas cooling, humidity and particularly suitable for handling the possibility of flammable gas. Further, when the operation can effectively prevent the secondary dust dust.

Conditions of use:

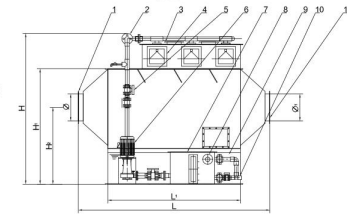
Temperature: $-5\sim 80^\circ\text{C}$ operating temperature.

For non-fibrous, can be affected by dust and gas cooler does not react with water, the NA of the dust handling viscous, hard water containing hydrophobic dust and gas.

Parts menu

部件功能表 PARTS MENU

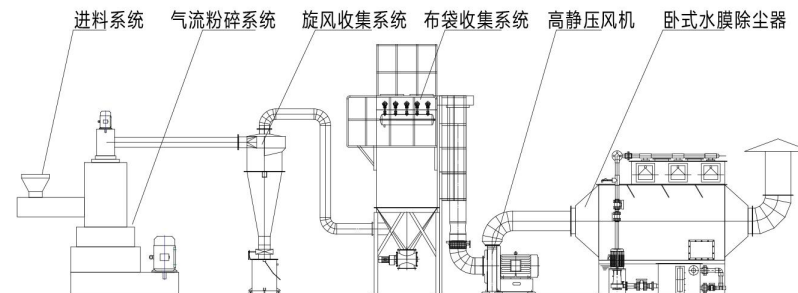
序号 Sequence number	1	2	3	4	5	6	7	8	9	10	11
部件名称 Part name	进风口 Inlet	喷淋口 Mouth spray	检修口 Manhole	视窗 Windows	阀门 Valve	耐腐蚀泵 Corrosion-resistant pump	配料箱 Ingredients Box	补水口 Rehydration mouth	溢流口 Overflow	排污口 Outfall	出风口 Outlet
材料 Material	PP	PP	PP	PVP	RPP	RPP	PP	PP	PP	PP	PP



卧式设备外形尺寸表

外形尺寸	H	H ₁	H ₂	Ø	Ø ₁	L	L ₁
单位(mm)	2100	1550	1050	Ø400	Ø400	3100	2200

工艺流程图 FLOW CHART



客户提供 CUSTOMERS WITH

- 1、废气处理量（如没有准确的处理量可提供的情况下，需描述工况及处理工位的详细情况。）
- 2、废气及含尘气体的组成（至少要有被吸收组分的浓度）。
- 3、净化后气体各组分的浓度控制要求。
- 4、控制系统的操作要求。

立式水喷射真空机组（环保型） VERTICAL WATER JET VACUUM UNIT (ENVIRONMENTAL PROTECTION)

设备特点

环保型水喷射真空机组具有机械强度高、耐腐蚀性能强、结构简单、体积小效率高等特点。在同类型产品中，使用寿命长、排气量大、真空度高、设备更稳定。

五大特点：

1. 抽入的气体先进入石墨列管冷凝器，可对被抽介质进行冷凝，减少机组的抽气负荷。
2. 循环液经过石墨盘管冷却后，能保持在适宜的温度下运行，保障设备的使用性能到达最佳状态。
3. 设备大大降低了循环水箱对补水的要求，基本能做到无废水排放。
4. 简直的废气经除沫器后，液体回到循环储液罐，废气进入处理系统。
5. 冷凝列管和冷却盘管均采用聚丙烯改性石墨管，离心泵为全塑聚丙烯材质，具有优良的耐腐蚀性能。

应用

广泛应用于化工、制药、食品、环保等行业，主要应用在真空吸收、真空过滤、真空浓缩、真空干燥、真空输送、真空除氧等工艺。

Equipment characteristics

The environment-friendly water jet vacuum unit has the characteristics of high mechanical strength, strong corrosion resistance, simple structure, small volume and high efficiency. In the same type of products, the service life is long, the exhaust volume is large, the vacuum degree is high, and the equipment is more stable.

Five characteristics:

1. The exhausted gas enters the graphite tube condenser first, which can condense the extracted medium and reduce the exhaust load of the unit.
2. After cooling by graphite coil, the circulating liquid can keep running at the appropriate temperature to ensure the best performance of the equipment.
3. The equipment greatly reduces the requirement of the circulating water tank for water replenishment, and basically can achieve no wastewater discharge.
4. After the exhaust gas passes through the demister, the liquid returns to the circulating tank and the exhaust gas enters the treatment system.
5. Polypropylene modified graphite pipes are used in condensing tube and cooling coil. Centrifugal pump is made of all-plastic polypropylene material, which has excellent corrosion resistance.

Application

It is widely used in chemical, pharmaceutical, food, environmental protection and other industries. It is mainly used in vacuum absorption, vacuum filtration, vacuum concentration, vacuum drying, vacuum transportation, vacuum deoxidization and other processes.

规格与参数 Specifications and parameters

规格 Model	真空度 MPa	最大抽气量m ³ /h Maximum capacity	配套离心泵型号 Centrifugal pump	电机功率kW Motor power	外形尺寸mm Shape size
PP-L-30	-0.098	30	S40X32-18	1.5	1300X800x1900
PP-L-40	-0.098	40	S40X32-20	2.2	1300X800x1900
PP-L-60	-0.098	60	S50X40-25	3	1450X1000x2200
PP-L-100	-0.098	100	S50X40-28	4	1450X1000x2200
PP-L-180	-0.098	180	S80X65-30	5.5	1650X1200x3000
PP-L-280	-0.098	280	S80X65-32	7.5	1650X1200x3000
PP-L-360	-0.098	360	S100X80-30	11	1850X1350x3000
PP-L-500	-0.098	500	S100X80-32	15	1850X1350x3000
PP-L-600	-0.098	600	S100X80-35	18.5	1850X1350x3000



DF系列真空机组 DF SERIES VACUUM UNIT

设备特点

DF型系列真空机组，采用防腐PP水箱，缓冲罐，RPP水冲泵，RPP水泵，止回阀，蒸汽水喷射泵，罗茨真空泵组成各系列机组，结构紧凑，能耗低，真空高，可移动。

使用注意事项

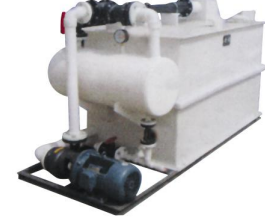
1. 设备应安装在平整坚实的基础上，保证设备的负重强度。
2. 开机前水箱灌满水，打开水泵进水阀门。水泵严禁脱水空转及反转，以防损坏水泵。
3. 汽水串联机组应先启动水泵，水喷射真空开始工作，然后打开蒸汽开关，蒸汽泵开始工作。罗茨—水喷射机组应先启动水泵，水喷射真空开始工作，真空度到-0.092Mpa时，才能启动罗茨真空泵，低于真空-0.092Mpa，应立即停止罗茨真空泵工作，建议安装设备控制电器开关，便于操作。
4. 使用时循环水箱应经常补充冷却水更换循环水，降低工作水温，严防循环水中有颗粒杂物。
5. 设备停机时应先关闭蒸汽阀门，停止罗茨真空泵，打开真空罐上放空阀门，降低真空度。然后停止工作。否则产生倒吸及损坏设备。

FEATURES

DF series vacuum unit, the use of anti-corrosion PP tanks, buffer tanks, RPP water will pump, RPP pump, check valve, steam water jet pump died, the composition of the series Roots vacuum pump unit, compact, low energy consumption, high vacuum, removable.

CAUTION

1. equipment should be installed in the formation of a solid basis, to ensure that the equipment works heavy intensity.
2. water tank filled with water before starting, open the pump inlet valve. Water pump with dehydration is strictly prohibited and reverse idling pumps to prevent damage to the pump.
3. soft drinks series machine unit should start the pump firstly, water jet vacuum start to work, and then open the steam switch, the steam pump to work. Roots water jet unit should start the water pump, water jet vacuum start to work, after vacuum degree up to -0.092mpa, then to start the root vacuum pump, lower than the vacuum-0.092mpa, roots vacuum pump shall immediately stop work, suggest to install the electrical equipment control switch, easy to operate.
4. when using recycled water tank, should often add cooling water to replace recycled water regularly, reducing the work temperature of water, to prevent circulating water have particle impurities.
5. when stop the equipment, should first close the steam valve, stop the roots vacuum pump, open the vacuum tank venting valve, lower vacuum. And then stop working. Otherwise, inverted. Suck happened and damage the device.

DFP—1卧式水喷射真空机组系列
DFP-1 HORIZONTAL WATER
JET VACUUM UNIT SERIES

- | | |
|----------|---|
| 1、水喷射真空泵 | 1, the water jet pump |
| 2、放空阀 | 2, the vent valve |
| 3、水箱 | 3, tank |
| 4、泄流、排污口 | 4, discharge, outfall |
| 5、耐腐蚀离心泵 | 5, corrosion-resistant centrifugal pump |
| 6、缓冲罐 | 6, buffer tank |
| 7、补水口 | 7, replenishment port |
| 8、止回阀 | 8, check valve |
| 9、真空表 | 9, vacuum gauge |

设备外形尺寸 EQUIPMENT DIMENSIONS

型 号 Model	极限真空度 Mpa Limit vacuum Mpa	保证真空度 Mpa To ensure the vacuum Mpa	最大抽气量 m ³ /H The maximum amount of exhaust m ³ /H	卧式机组外型尺寸 Horizontal Unit Dimensions			配套离心泵 Complete pump	
				长 L	宽 W	高 H	型号 Model	功率KW Power KW
DFP-1-20	0.0985	0.098	20	1100	800	800	50FP-20	1.5
DFP-1-40	0.0985	0.098	40	1100	800	800	50FP-22	2.2
DFP-1-60	0.0985	0.098	60	1600	1000	1200	65FP-25	4
DFP-1-80	0.098	0.098	80	1600	1000	1200	65FP-25	4
DFP-1-100	0.0985	0.098	100	1800	1000	1300	80FP-30	4
DFP-1-120	0.098	0.097	120	2000	1000	1300	80FP-30	4
DFP-1-160	0.0985	0.098	160	2000	1000	1300	80FP-32	5.5
DFP-1-200	0.098	0.097	200	2000	1000	1300	80FP-32	5.5
DFP-1-280	0.0975	0.0965	280	2500	1000	1300	80FP-32	7.5
DFP-1-360	0.099	0.098	360	2500	1200	1300	100FP-30	11
DFP-1-400	0.099	0.098	400	2500	1200	1400	100FP-32	15
DFP-1-500	0.098	0.097	500	2500	1200	1400	100FP-32	15

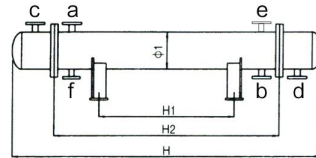
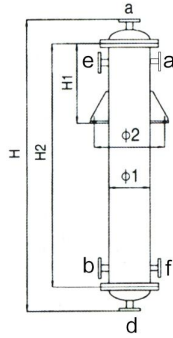
注：DF-1型成套机组底座采用钢架结构

注：DF-2型成套机组底座采用全塑结构

Note: DF-1 type steel structure, complete with the base unit

Note: DF-2 type with plastic base complete structural unit

石墨改性聚丙烯列管式换热器、冷凝器 GRAPHITE MODIFIED POLYPROPYLENE TUBE HEAT EXCHANGER, CONDENSER



物理机械性能表

PHYSICAL AND MECHANICAL PROPERTIES OF THE TABLE

管口表 NOZZLE TABLE		石墨改性聚丙烯性能 Graphite Modified Polypropylene		纯聚丙烯性能 Pure Polypropylene	
管口 NOZZLE		数据 Data		数据 Data	
a	壳程出口或入口 Shell outlet/inlet	比重 Specific Gravity	1.1	比重 Specific Gravity	0.91
		工作温度℃ Operating Temperature °C	-5~100℃	工作温度℃ Operating Temperature °C	-5~100℃
b	壳程入口或出口 Shell inlet/outlet	线膨胀系数×10 ⁻⁵ /℃ Linear expansion coefficient×10 ⁻⁵ /°C	5.7~12	线膨胀系数×10 ⁻⁵ /℃ Linear expansion coefficient×10 ⁻⁵ /°C	6~13
		抗冲击强度kg/cm ² Impact strength kg/cm ²	≤6.5	抗冲击强度kg/cm ² Impact strength kg/cm ²	≤15
c	管程入口或出口 Tube side inlet/outlet	抗拉强度kg/cm ² Tensile strength kg/cm ²	≤230	抗拉强度kg/cm ² Tensile strength kg/cm ²	≤300
		焊接抗拉强度kg/cm ² Weld tensile strength kg/cm ²	≤123	焊接抗拉强度kg/cm ² Weld tensile strength kg/cm ²	≤165
d	管程出口或入口 Tube side outlet/inlet	导热系数千卡/米·小时·度 Thermal conductivity kcal / m. Hour. Degrees	2.6	导热系数千卡/米·小时·度 Thermal conductivity kcal / m. Hour. Degrees	
		工作压力 正压MPa Pressure MPa	≤0.3	工作压力 正压MPa Pressure MPa	0.3
e	放气口 Bleed port	工作压力 负压MPa Negative pressure MPa	-0.1	工作压力 负压MPa Negative pressure MPa	-0.1
f	排气口 Exhaust port	出厂壳程水压试验MPa MPa hydrostatic test shell factory	0.4	出厂壳程水压试验MPa MPa hydrostatic test shell factory	0.4

材质特点

- (1) 聚丙烯具有优良的耐化学性能，对于无机化合物，不论酸、碱、盐溶液，除强氧化性物料外，几乎直到100℃都对其无破坏作用，对几乎所有溶剂在室温下均不溶解，一般烷、烃、醇、醚、酯类等介质上均可使用。
- (2) 聚丙烯塑料熔点为164~174℃，因此一般使用温度可达90~100℃。
- (3) 不结垢，不污染介质，无毒性，也可用于食品工业。
- (4) 材质比重轻设备安装维修极为方便。

由于具有以上特点，所以本设备适合于化工、制药、染化、冶金、食品、环保、化纤等行业中做各种用途的换热设备及容器代替了原有的不锈钢、搪瓷；石墨、碳钢、玻璃等设备，使用后效果显著，已受到广大用户的欢迎。

MATERIAL FEATURES

- (1) Polypropylene has excellent chemical resistance, for inorganic compounds, regardless of acid, alkali, salt solution, in addition to strong oxidizing materials, almost all of its 100 °C until no detrimental effect on almost all solvents at room temperature Not dissolved, the general alkanes, hydrocarbons, alcohols, aldehydes, ketones and other media can be used.
- (2) polypropylene plastic melting point 164~174 °C, it is generally temperature up to 90~100 °C.
- (3) does not scale, do not pollute the media, non-toxic, can also be used in food industry.
- (4) Material of light weight equipment installation and maintenance is very convenient.
Because of the above characteristics, so the equipment is suitable for chemical, pharmaceutical, dye, metallurgy, food, environmental, chemical and other industries to do a variety of purposes of heat transfer equipment and containers instead of the original stainless steel, enamel; graphite, carbon Steel, glass and other equipment after use, significant effect, has been welcomed by customers.

石墨改性聚丙烯列管式换热器、冷凝器 GRAPHITE MODIFIED POLYPROPYLENE TUBE HEAT EXCHANGER, CONDENSER

注意事项

1. 订货时，请查阅聚丙烯的腐蚀数据，针对介质和使用条件选购。
2. 每台换热器规格面积由客户确定，规格请参考换热器规格表。
3. 订货时要指明安装形式，如改变管接口大小及方位请客户提前指出。
4. 塑料设备较脆，要轻拿轻放，安装时要慢慢紧固螺栓，以免损坏设备。
5. 开机时先注入冷却水，应避免与明火接触。

NOTES

1. When ordering, please refer to the corrosion of PP data, and conditions of use for the media buy.
2. Each area of heat exchanger specifications determined by the customer, specifications refer to specification sheet heat exchanger.
3. Installation should be specified when ordering forms, such as changing the size and position of the nipple that you the customer in advance.
4. More brittle plastics equipment to gently, slowly tighten the bolts to be installed to avoid damage to equipment.
5. Before driving into the cooling water, should avoid contact with open flame contact.

换热器系列规格对照表 HEAT EXCHANGER SERIES SPECIFICATIONS TABLE

换热面积 m ² Heat transfer area	壳 体 Shell Body								列管 (20) Tube	管接口规格 Management interface specification					
	Φ1	Φ2	立 式 Vertical			卧 式 Horizontal			管数 Number of tubes	a	b	c	d	e	f
			H1	H2	H	H1	H2	H							
2	250	470	250	860	1260	400	860	1450	48	50	50	40	50	50	40
3	250	470	300	1050	1650	600	1050	1750	48						
4	250	470	450	1430	1950	800	1430	2050	52						
4	310	530	300	1060	1485	600	1060	1650	72						
5	310	530	400	1310	1800	800	1100	1910	72						
6	310	530	450	1540	2000	800	1350	2140	72						
8	310	530	600	2040	2465	1000	2040	2640	72						
10	310	530	750	2520	2940	1300	2520	3120	72						
10	400	620	450	1410	1860	800	1410	2100	138	65	65	50	65	50	40
12	310	530	900	2700	3350	1600	2700	3400	72						
12	400	620	550	1650	2300	1000	1650	2350	138						
14	400	620	650	1900	2550	1100	1900	2600	138						
16	400	620	700	2150	2800	1200	2150	2850	138						
18	400	620	750	2250	2950	1300	2250	3000	138						
20	400	620	800	2600	3050	1500	2600	3250	138						
22	400	620	900	2750	3400	1600	2750	3450	138						
24	400	620	1000	3100	3550	1800	3100	3750	138	80	80	50	65	50	50
30	500	720	700	1960	2520	1200	1960	2660	220						
40	500	720	1000	3000	3700	1800	3000	3750	220						
50	500	720	1500	3500	4200	2100	3500	4250	220						
50	600	820	850	2500	3200	1500	2500	3250	346						
60	600	820	1000	3000	3700	1800	3000	3750	346						
70	600	820	1000	3500	4200	2100	3500	4250	346						
80	600	820	1500	4000	4700	2400	4000	4750	346						
90	600	820	1500	4500	5200	2700	4500	5250	346	100	100	50	65	50	65
90	700	920	1000	2800	3500	1600	2800	3550	215						
100	700	920	1000	3100	3800	1900	3100	3850	215						
120	800	1020	1000	3000	3700	1800	3000	3750	646						
150	800	1020	1500	3700	4400	2200	3700	4450	646						
200	800	1020	1700	4435	5135	2900	4435	5135	646						
200	800	1020	1700	4435	5135	2900	4435	5135	646						
200	800	1020	1700	4435	5135	2900	4435	5135	646						

聚丙烯常压储罐 POLYPROPYLENE ATMOSPHERIC STORAGE TANK



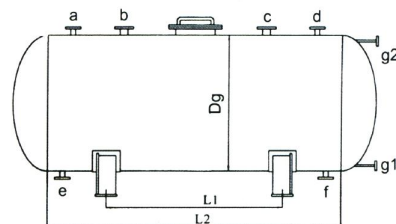
设备使用特点

- 一.工作压力：常压
二.工作温度：PP-5℃~100℃

DEVICE FEATURES

- I. Working pressure: atmospheric pressure
II. Operating temperature: PP-5℃ ~ 100℃

卧式系列贮罐示意图：
SCHEMATIC DIAGRAM OF
HORIZONTAL SERIES OF TANK:



卧式贮罐系列表 HORIZONTAL TANK SERIES TABLE

公称容积M ³ Nominal volume	Dg	L2	L1	a	b	c	d	e	f	G1	G2	人孔 Manhole
0.5	600	1600	1000	40	25	25	40	40	40	20	20	
1	800	1800	1200	50	25	25	50	40	40	20	20	400
2	1200	1800	1200	50	40	40	50	50	50	20	20	400
3	1200	2500	1900	50	40	40	50	50	50	20	20	400
4	1400	2500	1800	65	50	50	65	50	50	20	20	400
5	1400	3000	2300	65	50	50	65	50	50	20	20	400
6	1600	2700	1900	80	50	50	80	65	65	20	20	400
8	1800	2800	1900	80	65	65	80	65	65	20	20	400
10	1800	3800	2900	80	65	65	80	65	65	20	20	400
12	1800	4200	2300	80	65	65	80	65	65	20	20	400
15	2200	3600	2500	100	80	80	80	80	80	20	20	500
# 20	2200	4800	3700	100	80	80	80	80	80	20	20	500
# 30	2600	5000	3700	100	100	100	80	80	80	20	20	500
* 40	2600	6900		100	100	100	80	80	80	20	20	500
* 50	2800	7400		100	100	100	80	100	80	20	20	500
* 60	2800	9000		100	100	100	80	100	80	20	20	500
* 80	3000	10500		120	100	100	80	100	80	20	20	500
* 100	3200	11500		120	100	100	80	100	80	20	20	600

- 注：1、带*号设备支座采用混凝土结构。
2、带#号设备支座采用混凝土结构，塑料支架需增加支座数量。
3、管口尺寸可由需方自定。

Note: 1、device with * Supports use of concrete structures.
2、with the # use of equipment bearing concrete structure, bearing the need to increase the number of plastic stents.
3、demand-side nozzle size can be customized.

聚丙烯常压储罐 POLYPROPYLENE ATMOSPHERIC STORAGE TANK

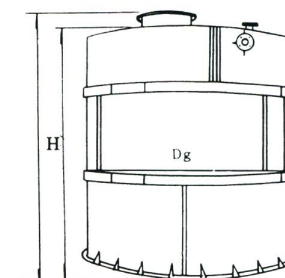


设备使用特点

- 一.工作压力：常压
二.工作温度：PP-5℃~100℃

DEVICE FEATURES

- I. Working pressure: atmospheric pressure
II. Operating temperature: PP-5℃ ~ 100℃



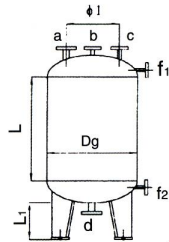
立式贮罐系列表 HORIZONTAL TANK SERIES TABLE

公称容积M ³ Nominal volume	Dg	H	a	b	c	d	F1	F2	人孔 Manhole
0.5	800	1000	40	40	25	40	20	20	
1	1000	1300	50	50	25	50	20	20	400
2	1200	1800	50	50	25	50	20	20	400
3	1400	2000	65	50	40	65	20	20	400
4	1600	2000	65	50	40	65	20	20	400
5	1600	2500	80	65	40	80	20	20	400
6	1800	2300	80	65	50	80	20	20	400
8	2000	2500	80	65	50	80	20	20	400
10	2200	2600	100	80	50	80	20	20	400
15	2200	3900	100	80	50	80	20	20	500
20	2600	3700	100	100	80	80	20	20	500
30	2800	4800	100	100	80	80	20	20	600
40	3000	5000	100	100	80	80	20	20	600
50	3500	5200	120	100	80	80	20	20	600
60	3500	6200	120	100	80	80	20	20	600
80	4000	6400	150	120	80	80	20	20	600
100	4000	8000	120	120	100	100	20	20	600

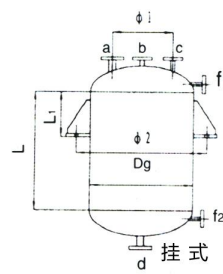
- 注：1、管口尺寸可由需方自定。
2、设备顶面有锥形，椭圆形，平顶形结构。

Note: 1、nozzle size can be determined from the demand side.
2、a tapered top surface of equipment, elliptical, flat shaped structure.

聚丙烯真空缓冲罐、计量罐、高位槽 POLYPROPYLENE VACUUM BUFFER, METERING TANK, HIGH GROOVE



立式



挂式

本公司生产的PP、塑料立式、卧式真空计量罐、高位槽，主要适用于化工、医药、石油等行业生产工艺中物料的贮存计量，它具有重量轻、按装维修方便等优点。
其操作压力：-0.1MPa，操作温度PP-5℃~100℃。

The field of production of PP, PVC plastic vertical, horizontal vacuum metering tank, elevated tank, mainly for chemical, pharmaceutical, oil and other industries of material production and storage of process measurement, he has a light weight, installation maintenance repair easy and so on. its operating pressure:-0.1MPa, operating temperature of PP-5℃ ~ 100℃.

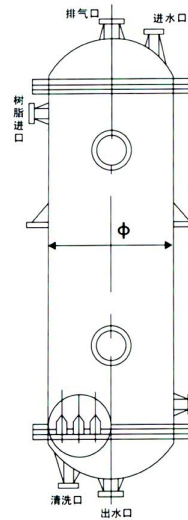
立式真空计量罐系列表 VERTICAL VACUUM MEASUREMENT TANK SERIES TABLE

公称容积M ³ Nominal volume	Dg	Φ1	L1	L	a	b	c	d	F1	F2
0.05	400	250	250	400	25	25	25	25	20	20
0.10	400	250	250	750	25	25	25	25	20	20
0.15	500	300	250	800	32	25	25	25	20	20
0.20	500	300	250	1000	40	32	25	40	20	20
0.30	600	350	250	1000	40	32	25	40	20	20
0.40	700	500	250	900	50	40	25	50	20	20
0.50	800	560	250	900	50	40	25	50	20	20
0.80	1000	700	250	900	50	40	25	50	20	20
1.00	1000	700	250	1100	50	40	25	50	20	20
1.50	1200	900	250	1200	50	40	25	50	20	20
2.00	1200	900	250	1600	50	40	25	50	20	20

挂式真空计量罐系列表 HANGING SERIES TABLE VACUUM MEASUREMENT TANK

公称容积M ³ Nominal volume	Dg	Φ1	Φ2	L1	L	a	b	c	d	F1	F2
0.05	400	250	540	200	400	25	25	25	25	20	20
0.10	400	250	540	300	750	25	25	25	25	20	20
0.15	500	300	640	300	800	32	25	25	25	20	20
0.20	500	300	640	400	1000	40	32	25	40	20	20
0.30	600	350	820	400	1000	40	32	25	40	20	20
0.40	700	500	920	300	900	50	40	25	50	20	20
0.50	800	560	1020	300	900	50	40	25	50	20	20
0.80	1000	700	1220	300	900	50	40	25	50	20	20
1.00	1000	700	1220	500	1100	50	40	25	50	20	20
1.50	1200	900	1420	500	1200	50	50	25	50	20	20
2.00	1200	900	1420	650	1600	50	50	25	50	20	20

聚丙烯离子交换柱 PP ION EXCHANGE COLUMN



离子交换柱主要是利用离子交换树脂中的离子同原水(液体)中的某些离子进行交换而将其除去，使水(液体)得到净化的方法。

它已广泛应用于化工、电子、医药、纺织、电镀行业等制取纯水、硬水软化、药物和食品的脱色和提取、重要化工原料的回收以及污水处理等。聚丙烯离子交换器(柱)技术参数及外形尺寸：

Ion exchange column ion-exchange resins are mainly used in the homologous ion water (liquid) in some of the ion exchange to remove, so that water (liquid) by purification methods.

It has been widely used in chemical, electronic, pharmaceutical, textile, electroplating industry, etc. Preparation of pure water, water softening, bleaching of drug and food and extraction of important chemical raw materials, recycling and sewage treatment. PP ion exchanger (column) Technical data and dimensions:

设备使用特点

- 一.工作压力：≤2Mpa
- 二.工作温度：-10~100℃

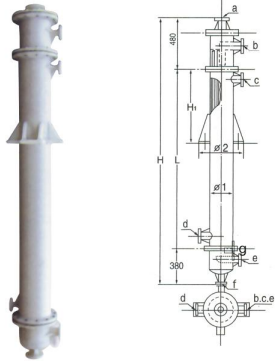
DEVICE FEATURES

- I. Working pressure: ≤ 2Mpa
- II. Operating temperature: -10~ 100℃

设备外形尺寸 EQUIPMENT DIMENSIONS

名 称 Name	阴、阳、钠单床 Yin and Yang, Na single bed						体内再生混床 Mixed bed regeneration in vivo					
规 格 Specifications	Φ250	Φ350	Φ400	Φ500	Φ630	Φ800	Φ250	Φ315	Φ400	Φ500	Φ630	Φ480
设计流量m ³ /h Design flow m ³ / h	1	1.5	2.5	4	6	8	2	3	4.5	7	1.2	8
柱体高 Height cylinder	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
总高 (H) Height (H)	2830	2960	2930	2990	3080	3200	2830	2860	2930	2990	3080	3200
进水口 (Dg) Inlet (Dg)	20	20	25	25	32	65	25	25	32	40	50	65
出水口 (Dg) Outlet (Dg)	20	20	25	25	32	65	25	25	32	40	50	65
排气口 (Dg) Exhaust port (Dg)	20	20	20	20	25	40	25	25	25	32	40	40
清洗口 (Dg) Clean mouth (Dg)	25	25	32	32	40	50	32	32	40	40	50	50
树脂进出口 (Dg) 排出口 Resin Import and Export (Dg) row of the net mouth	32	32	32	40	40	50	32	32	32	40	50	50

聚丙烯降膜吸收器 POLYPROPYLENE FALLING FILM ABSORBER

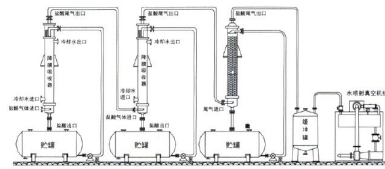


用途：主要用于生产盐酸、氢氟酸等，也可用于副产氯化氢、二氧化硫气体等各种废气、尾气的吸收。

特点：吸收效率高、耐腐蚀、不结垢、重量轻、使用寿命长、维修方便等优点，是一种新型的气体吸收设备。

工作温度：-5℃~100℃；
工作介质：参照聚丙烯耐腐蚀特性；
工作压力：正压：≤0.3MPa 负压：≤0.1MPa
出水压力：0.4MPa（壳程）

注意事项：（1）吸收器上部有溢流分布装置，按装时保证垂直度，流体流量要控制在每根吸收管内壁有2mm水膜。
（2）管道安装应保证气体的通畅。



氯化氢气体吸收制盐酸成套设备装置

a.气体入口 d.冷却水进口 上部：内有锯齿形溢流分布装置。
b.循环液进口 e.尾气出口 中部：冷却吸收段。
c.冷却水出口 f.成品出口 下部：气液分离段。
g.排污口

a. Gas inlet d. Cooling water inlet Top: distribution within the serrated overflow device.
b. Circulating fluid imports e. Gas exports Central: absorption cooling section.
c. Cooling water outlet f. Export of finished products Bottom: gas-liquid separator section.
g. outfall

聚丙烯降膜吸收器系列规格对照表

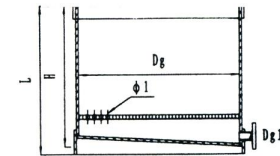
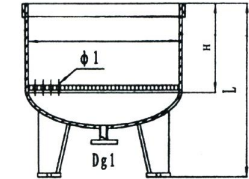
POLYPROPYLENE FALLING FILM ABSORBER SERIES SPECIFICATIONS TABLE

吸收面积m ² Absorption area m ²		吸收列管 Absorption tube		外形尺寸mm Dimensions mm			安装尺寸mm Mounting dimensions mm		气体进口 Gas imports	液体进口 Fluid inlet	冷却水出口 Cooling water out	冷却水进口 Cooling water inlet	尾气出口 Gas exports	成品出口 Export of finished products	排污口 Outfall
公称面积 m ² Nominal area m ²	实际面积 m ² The actual area m ²	管数 (根) Tube number (rod)	规格 (mm) Size (mm)	Φ1	L	H	H1	Φ2	a	b	c	d	e	f	g
6	6.02	66	Φ20×1.7	310	1750	2630	550	545	80	50	40	40	70	70	50
10	10.15	66	Φ20×1.7	310	2750	4830	980	545	80	50	40	40	70	70	50
15	15.14	66	Φ20×1.7	310	4400	5280	1460	545	100	70	50	50	80	80	70
15	15.18	104	Φ20×1.7	400	2800	3680	930	645	100	70	50	50	80	80	70
20	20.64	132	Φ20×1.7	400	3000	3880	1000	645	100	70	50	50	80	80	70
25	25.11	132	Φ20×1.7	400	3650	4530	1220	645	100	70	50	50	80	80	70
30	30	192	Φ20×1.7	500	3000	3940	1000	775	100	80	70	70	80	80	80
40	40.05	226	Φ20×1.7	500	3400	4340	1140	775	100	80	70	70	80	80	80
50	50.65	226	Φ20×1.7	500	4300	5240	1430	775	100	80	70	70	80	80	80
60	60.57	298	Φ20×1.7	630	3900	4850	1300	880	150	80	80	80	125	125	80
80	80.76	298	Φ20×1.7	630	5200	6150	1400	880	150	80	80	80	125	125	100
100	101.15	488	Φ20×1.7	800	3300	4300	1100	1050	200	100	100	100	150	150	100
120	122.2	488	Φ20×1.7	800	4000	5000	1340	980	200	100	100	100	150	150	125
150	153	488	Φ20×1.7	800	5000	6000	1670	980	200	100	100	100	150	150	125
200	202	488	Φ20×1.7	800	6600	7600	2200	980	200	100	100	100	150	150	200

聚丙烯抽滤桶 POLYPROPYLENE DRAINAGE BUCKET



操作压力：-0.1MPa，
操作温度：PP-5℃~100℃，



II 型

真空抽滤桶（I 型）系列表 DRUM VACUUM FILTRATION（I）SERIES TABLE

公称容积 Nominal volume	过滤面积 Filter area	DG	H	L	DG1	Φ1
0.3	0.5	800	400	850	40	12
0.5	0.8	1000	500	1000	50	12
1	1.13	1200	900	1500	50	15
1.5	1.54	1400	750	1400	50	15
2	2	1600	750	1400	50	15

真空抽滤桶（II 型）系列表 VACUUM FILTRATION DRUM（II）SERIES TABLE

公称容积 Nominal volume	过滤面积 Filter area	DG	H	L	DG1	Φ1
0.3	0.4	700	800	900	40	12
0.5	0.8	1000	650	750	40	12
1	1.13	1200	900	1000	50	15
1.3	1.54	1400	850	950	50	15
1.5	1.77	1500	850	950	50	15
1.8	2	1600	900	1000	50	16
2	2.54	1800	800	900	50	16
2.5	3.14	2000	800	900	65	18
3	3.8	2200	800	900	65	18
4	4.9	2500	800	900	80	20

注：1、产品可按用户需求制造
2、真空口可按需求装

Note: 1. the product can be customized manufacturing
2. the vacuum port can be installed according to needs

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