



上海积沃自动化设备有限公司
Shanghai Jiwo Automation Equipment Co., Ltd



食品、生物制药工程工艺等
实验室及研发中心理想设备

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COMPANY

>>> INTRODUCTION

企业简介

上海积沃自动化设备有限公司为现代高科技股份制企业,注册资本1000万元人民币,在册员工55人,专业从事食品、饮料、制药、乳制品、生物、化工等领域内的整线工程项目与实验室设备等生产制造、销售、安装及完善的售后服务。

公司主要产品为果蔬生产线、饮料生产线、苹果生产线、番茄酱生产线、实验型超高温杀菌机、实验型喷雾干燥机、多功能提取罐、多功能提取浓缩机组、降膜浓缩蒸发器、升膜浓缩蒸发器、中小式饮料生产线等。积沃设备注重研发及自主知识产权,具有技术研发工程师优良团队,整厂交钥匙工程、生产制造、安装调试、技术培训、售后服务等综合能力。“融合国际先进技术,吸收欧美先进的机械设计理念及自动化控制,同时研发小型不锈钢燃气锅炉、电加热锅炉、压力锅、不锈钢压力罐等设备,积沃以专业的技术、和丰富的经验、精良的设备、优质的售后服务、尽心尽力、精益求精的理念,争做中国实验设备领导者。

Shanghai Jiwo Automation Equipment Co., Ltd. is a modern high-tech joint-stock enterprise, with 10 million yuan registered capital and 55 employees in the staff, specializing in manufacturing, sales, installation and after-sales service of the whole line project and laboratory equipment in the fields of food, beverage, pharmaceutical, dairy products, biological, chemical and so on.

The main products are fruit and vegetable production line, beverage production line, apple production line, tomato sauce production line, experimental ultra-high temperature sterilization machine, experimental spray dryer, multi-functional extraction tank, multi-functional extraction enrichment unit, falling-film concentrated evaporator, climbing-film concentrated evaporator, small and medium-sized beverage production line, etc. Jiwo, with excellent R&D engineers team, focuses on R&D and independent property rights, able to deliver the whole plant turnkey projects, manufacturing, installation commissioning, technical training, after-sales service and other services. Integrating international advanced technology, absorbing Europe and the US's advanced mechanical design concept and automation control, Research and development of small stainless steel gas boiler at the same time, electric heating boilers, pressure cookers, stainless steel pressure cans and other equipment, Jiwo leader with the professional technology, rich experience, sophisticated equipment, High quality after-sale service, Try your best. The idea of excellence. China experimental equipment become the leader.

技术参数及特征:

- ◆ 预热温度55~75℃;
- ◆ 杀菌温度80~148℃; 控温精度±0.5℃。
- ◆ 灭菌时间: 5S / 10S / 15S / 30S / 45等, 根据客户要求定制。
- ◆ 灌装形式: 无菌冷灌装、常温灌装、热灌装。
- ◆ 系统工作压力最高8bar。
- ◆ 生产能力: 标准产能20升/小时, 5~50升/小时可调节。
- ◆ 杀菌装置:加热锅炉系统两组, 分别控制预热段和加热段: 双锅炉最高杀菌温度可达到150℃。
- ◆ 冷却装置: 冷却两组, 用自来水冷却可接近长温状态, 可加冰水至低温状态。
- ◆ 物料管道全部采用316L不锈钢材质, 其余物料不接触的部分, 采用食品级304不锈钢材质。
- ◆ 缺水、缺料、报警系统自动响起, 送料螺杆泵会自动停止工作。
- ◆ 最大功率不超过12KW,三相电380V
- ◆ 可选配在均质机和无菌充填灌装, 完全模拟工业化生产。
- ◆ 主机可连接电脑控制, 实验数据可打印下载等功能。
- ◆ 外型尺寸(长宽高): 1320×850×1700MM。



Technical parameters and characteristics:

- ◆ Preheating temperature 55 - 75 ℃;
- ◆ Sterilization temperature 80 - 148 ℃; temperature control accuracy ± 0.5 ℃.
- ◆ Sterilization time: 5s / 10s / 15s / 30s / 45s etc., customized according to customer requirements.
- ◆ Filling: aseptic cold filling, room temperature filling, hot filling.
- ◆ The system working pressure up to 8bar.
- ◆ Production capacity: standard production capacity of 20 liters / hour, 5 to 50 liters / hour adjustable.
- ◆ Sterilization device: two groups of heating boiler system, respectively control the preheating section and
- ◆ Heating section: double-boiler maximum sterilization temperature can reach 150 ℃.
- ◆ Cooling device: two groups of cooling devices, cooling with tap water can be close to room temperature state, low temperature state can be reached by adding ice.
- ◆ All the pipe materials are made of 316l stainless steel, except for the non-touching part which is made of food-grade 304 stainless steel.
- ◆ The alarm system will automatically ring when lack of water or material, at the mean time the feed screw pump will automatically stop working.
- ◆ The maximum power up to 12kw, three-phase power 380v
- ◆ Optional filling in the homogenizer or aseptic filling, fully simulated industrial production.
- ◆ The host can be connected to computer control, experimental data can be printed and downloaded.
- ◆ Size (length and width): 1320 × 850 × 1700mm.

超净灌装室 型号JWO-GZS

超净灌装室安装在实验型超高温杀菌机UHT之后，用于杀菌后物料的灌装。

技术参数及特征

- ◆独立工作单元。系统内装有夹套保温缓冲罐，臭氧发生器、紫外线杀菌灯、气动灌装阀等，使得灌装过程操作简单方便，仅需通过脚踏开关即可实现连续式灌装。内置可选单头旋盖机，用于小批量生产样品。
- ◆充填室内空气净化程度达百级
- ◆内置SIP板片组块，可自动进行整个试验线的CIP和SIP
- ◆本设备配有灌装溢流槽，高速风机、过滤器及臭氧发生器组成的空气净化系统。
- ◆工作时，外界空气经初效过滤器预过滤，再由风机送入高效过滤器，在操作区达到高超净度(百级)，最后由紫外灯和臭氧发生器灭菌，模拟工业化生产、无菌灌装。
- ◆性能指标：层流方式：垂直层流，平均风速： $\geq 0.5\text{M/S}$ ，风速可调，照明灯功率：25 W，紫外灯功率：18W，风机功率：380 W，无震动，噪音低等优点。



Ultra-clean filling chamber JWO-GZS

Ultra-clean filling chamber (JWO-GZS) Super clean filling room is installed in UHT behind.

Technical parameters and characteristics

- ◆Independent work unit. The system is equipped with jacketed insulation buffer tank, ozone generator, ultraviolet germicidal lamp and pneumatic filling valve, making the filling process simple and convenient, allowing continuous filling through pedal switch. Built-in optional single-head capping machine for small batch production of samples.
- ◆Filling indoor air purification reaches the level of 100.
- ◆Built-in SIP board chunks, can automatically carry out the entire test line CIP and SIP.
- ◆The equipment is equipped with air purification system composed of filling overflow slot, highspeed fan, filter and ozone generator.
- ◆While in operation, the external air is prefiltered through the primary, then sent into the high efficiency filter by the fan, achieving high clarity (100) in the operating area, and finally sterilized by the UV lamp and ozone generator, simulating industrial production and filling.
- ◆Specifications. Laminar flow: vertical laminar flow; average wind speed $\geq 0.5\text{M/S}$, wind speed adjustable; lighting power: 25 W, UV lamp power: 18W, fan power: 380 W, no vibration, low noise.

超声波提取机组

本设备适用于中药、食品、饮料、含高油脂成分的植物。支持微压、热回流、渗透、多种工艺提取，可用于芳香油及精油成分的超声波提取。

设备特征

- ◆ 型号JWO-CSB-15KHz、20KHz、28KHz、30KHz、35KHz、40KHz、50KHz。
- ◆ 超声波系统由震动部分可调频率、功率密度、发射面积。在液体中传播能对物料表面进行清洗，“空化”超声波震动在液体中传播的声音波达到1个大气压时，其功率密度为0.35W/CM²。这时超声波的音波压强峰值就可达到真空或负压，此空洞非常接近真空状态，它在超声波压强反向达到最大时破裂，由于破裂而产生的强烈冲击就会将物体表面的污垢撞击下来。这种由无数细小的空化气泡破裂而产生的冲击波现象称为“空化”。
- ◆ 超声波提取使提取时间大大缩短3-5倍以上，设有过流、过热、报警系统，具有全自动频率跟踪功能，可靠性高的理想超声波提取设备。



Ultrasonic extraction unit

This equipment is suitable for traditional Chinese medicine, food, beverage, plants containing high oil content. It supports micro-pressure, heat reflux, infiltration, aromatic oil, and ultrasonic extraction of aromatic oil and essential oil components, etc.

Equipment features:

- ◆ Model JWO-CSB-15KHz、20KHz、28KHz、30KHz、35KHz、40KHz、50KHz。
- ◆ Ultrasonic system, with the vibration part supporting the adjustable frequency, power density and emission area, and being able to spread in the liquid, can clean the surface of the material. When the sound wave of "cavitation" ultrasonic vibration in the liquid reaches 1 atm, the power density is 0.35 W / CM². Then the ultrasonic wave pressure peak can reach the vacuum or negative pressure, this hole is very close to the vacuum state, which rupture when ultrasonic pressure reaches the maximum rupture. The strong assault caused by the rupture will crash down the dirt on the surface of the object. This shock wave, which is caused by the rupture of numerous small cavitation bubbles, is called "cavitation".
- ◆ Ultrasonic extraction greatly reduce the extraction time by 3 to 5 times. Our ultrasonic extraction unit with overcurrent, overheating, alarm system, and automatic frequency tracking function, is the highly reliable ideal ultrasonic extraction equipment.



实验型喷雾干燥机 JWO-1500

JWO-1500是我公司引进欧美的先进技术，在国内生产制造。产品外型进行优化设计,整机设计美观,精巧、可移动，通电220V即可使用。采用PLC控制系统，彩色大液晶触摸屏显示，中英文操作界面为一体实验型理想设备。根据用户要求该机主要部件如压缩机、风机、加热器、控制系统、喷嘴等全部可原装进口，设备运行的稳定性和产品的高收集率得到了客户的广泛认可和赞誉。

应用范围：

JWO-1500喷雾干燥机已成功地应用于下列领域：生物、陶瓷、饮料、染料、香料和色素、牛奶和蛋制品、植物和蔬菜提取液、制药、合成热敏物质塑料、聚合物和树脂、芳香剂、生化制品、食品黏合剂、氧化物等等。

主要适用于高校、研究所和食品医药化工企业的生物、食品、化工、制药等实验室生产微量颗粒粉末，对所有溶液如乳浊液、悬浮液具有广谱适用性，适用于对热敏感性物的干燥如生物制品、因所喷出的物料只是在喷成雾状大小颗粒时才受到高温，瞬间受热，能保持这些活性材料在干燥后仍维持其活性成份不受破坏。

Experimental spray dryer JWO-1500

JWO-1500 is manufactured by our company with advanced technology introduced from Europe and America. Optimization design of product exterior

The machine is good-designing, exquisite and movable. It can be powered by 220V. Adopting PLC control system, color large LCD touch screen and Chinese and English interface, JWO-1500 is one of the ideal experimental equipment. According to user requirements. The main components of the machine, such as compressors, Fan, heater, Control system, All the imported nozzles can be imported. The stability of the operation of the equipment and the high collection rate of the products have been widely recognized and praised by the customers.

Application scope:

JWO-1500 spray dryer has been successfully applied to the following fields: Biology, ceramics, Drinks, dyestuff, Spices and pigments, Milk and egg products, Plant and vegetable extract, Pharmacy, Synthetic thermosensitive plastics, Polymers and resins, Aromatic, Biochemical products, Food adhesive, Oxide and so on.

It is mainly applicable to colleges and Universities, The Institute of research and the biology of the food and chemical industry, food, chemical industry, The production of micro particle powder in the laboratory of pharmaceutical and other laboratories, For all the solutions such as emulsion, Broad-spectrum applicability of suspension, Applicable to the drying of a thermosensitive substance, such as a biological product, The high temperature of the sprayed material is only when it is sprayed with fog - sized particles, Instant heat, The active material can remain undamaged after drying.



JWO-1500设备特性:

- ◆喷雾、干燥室及收集装置采用透明优质耐高温高硼硅玻璃制造，使得喷雾干燥过程在无污染及稳定的环境下进行。整个喷雾干燥实验进程可视，便于掌控实验进程并能及时发现和调整数据。所有玻璃元件易拆卸，易清洗。
- ◆配置进口全无油空气压缩机，喷粉的粒径呈正态分布，流动性好，而且噪音非常低，小于50db，符合国家实验室噪音标准；
- ◆二流体喷雾的雾化结构，采用优质高精度316不锈钢材料制造，雾化均匀。
- ◆温度控制采用实时调控PID恒温控制技术，控温准确。
- ◆进料量可通过蠕动泵调节，最少40ml样品也可完成一次实验。
- ◆射流器自动疏通（通针）且频率可调节，在喷嘴被堵塞时，会自动清除以确保实验的连续性。
- ◆外管提供压缩空气至喷嘴，喷射器和喷嘴之间的精密制造使液体射流能被很好地汽化成雾状。
- ◆全自动手动双重模式，彩色触摸屏控制，中英文面板，切换方便，各项参数均有液晶显示。
- ◆具有保护功能，风机不启动，加热器就不会启动。
- ◆喷粉粒径可调，干燥后的成品干粉，其颗粒度较均匀，95%以上的干粉在同一颗粒度范围，流动性好。
- ◆通电即可使用，无需任何辅助设备。

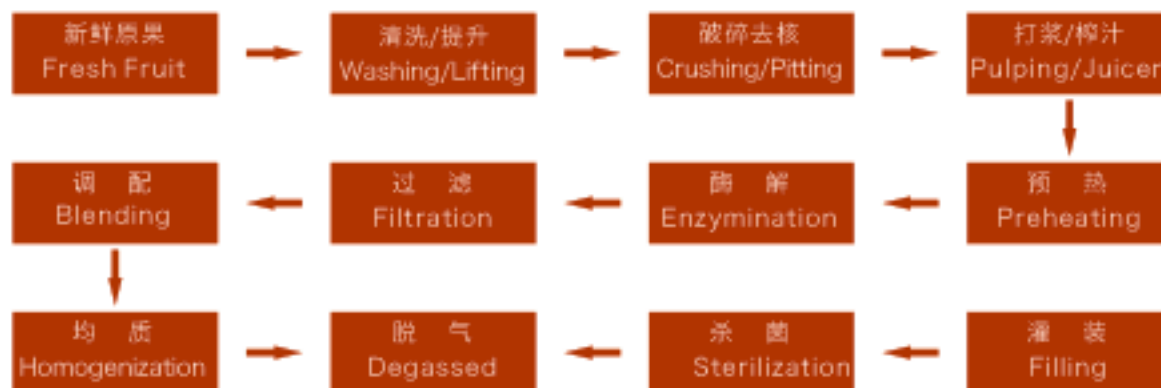


JWO-1500 device features:

- ◆Aspray drying chamber and collection device made of high temperature and high temperature and high boron silicon glass. The spray drying process is carried out in a pollution-free and stable environment. The whole process of spray drying can be seen as a visual process. It is easy to control the process of the experiment and to find and adjust the data in time. All glass elements are easily disassembled, Easy to clean.
- ◆Built-in imports of imported all oil free air compressor,dusting particle diameter showed anormal distribution, mobilityis good,but the noise is very low, Less than 50dB, Comply with national laboratory noise standard;
- ◆Two-fluid spray atomization structure and sprinklers, quality precision 316L stainless steel material ,atomization uniform.
- ◆Temperature control using real-time control of PID constant temperature control technology, The temperature is accurate.
- ◆The feed volume can be adjusted by the peristaltic pump, At least a sample of 40ml can also be completed.
- ◆Jet dredge automatically (through needle) and adjustable frequency, When the nozzle is blocked, in order to ensure the continuity ofthe experiment.
- ◆The outer tube provides compressed air to the, The precision manufacturing between the ejector and the nozzle enables the liquid jet to be vaporized well.
- ◆Automatic manual double mode, Color touch screen contro, Chinese and English panel, Handover convenience, All the parameters have liquid crystal display.
- ◆Has a protection function,the fan does not start,the heater will not start with the tower wall purge function.
- ◆Dusting particle diameter is adjustable,the finished product after drying the powder,the particles moreuniform degree of more than 95% of the dry powder in the area of the same particle size, good fluidity.
- ◆Turn on electricity can be used, without any auxiliary equipment.

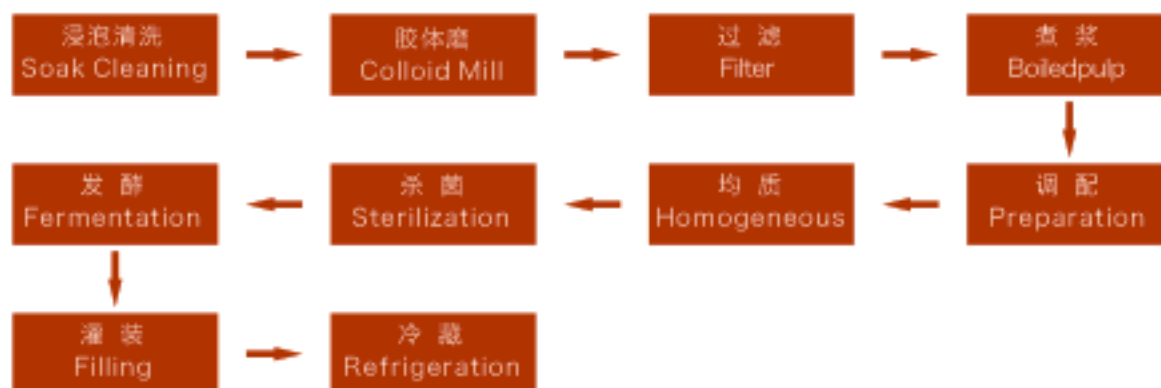
果蔬汁复合生产线工艺流程

Fruit and vegetable juices composite production line Flowchart



乳制品发酵型饮料生产线工艺流程

Dairy products fermented beverage production line process



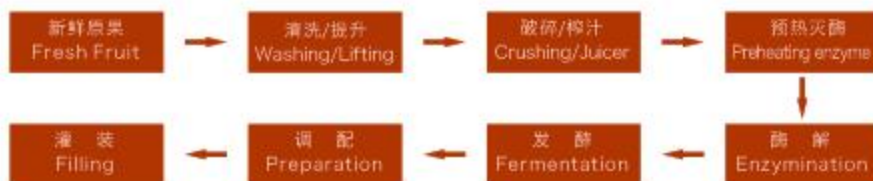
茶饮料生产线工艺流程

Tea drink production line process



果酒果醋生产线工艺流程

Wine fruit vinegar production line process



技术参数表
Technical parameter table

型号 Model	JWO-TGG -10	JWO-TGG -20	JWO-TGG -30	JWO-TGG -50	JWO-TGG -100	JWO-TGG -200	JWO-TGG -300	JWO-TGG -500
容量 Capacity	10L	20L	30L	50L	100L	200L	300L	500L
加热功率 (KW) Heating power	3	4.4	5	6	12	24	36	48
夹层压力 (Mpa) The mezzanine pressure	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4
罐内压力 (Mpa) Tank pressure	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
提取温度 Extraction temperature	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃
搅拌功率 (KW) Stirring power	0.09	0.12	0.2	0.25	0.4	0.75	1.1	2.2
加热面积 (㎡) Heating area	0.22	0.28	0.35	0.55	0.99	1.36	1.42	1.6
冷凝面积 (㎡) Condensate area	0.25	0.46	0.72	0.98	1.28	1.45	1.64	1.82
真空度 (Mpa) vacuum degree	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09
设备尺寸 (MM) Equipment size	1000X500X1700	1200X520X1780	1250X580X1800	1380X700X1850	1480X800X1900	1580X900X2700	1680X900X2900	1700X1200X3500



技术参数表
Technical parameter table

型号 Model	JWO-TGG -10	JWO-TGG -20	JWO-TGG -30	JWO-TGG -50	JWO-TGG -100	JWO-TGG -200	JWO-TGG -300	JWO-TGG -500
容量 Capacity	10L	20L	30L	50L	100L	200L	300L	500L
加热功率 (KW) Heating power	3	4.4	5	6	12	24	36	48
夹层压力 (Mpa) The mezzanine pressure	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4
罐内压力 (Mpa) Tank pressure	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
提取温度 Extraction temperature	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃
搅拌功率 (KW) Stirring power	0.09	0.12	0.2	0.25	0.4	0.75	1.1	2.2
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设备尺寸 (MM) Equipment size	1000X500X1700	1200X520X1780	1250X580X1800	1380X700X1850	1480X800X1900	1580X900X2700	1680X900X2900	1700X1200X3500



多功能提取浓缩机组

本设备适用于中药、食品、饮料、含高油脂成分的植物。支持微压、热回流、渗透等多种工艺提取，可用于提取芳香油及精油成分的提取。时间短，效率高，设备结构精巧，自动化程度高，符合GMP医药标准。本设备非常适用于高校、医院、研究所和企事业单位（实验/研发及中小式生产使用）。



设备特征：

- ◆ 型号JWO-NSJ-10L、20L、30L、50L、100L、200L、300L、500L。
- ◆ 本设备是加热后的水蒸汽蒸馏方式对物料进行提取后到浓缩罐内进行低温浓缩
- ◆ 此设备是我公司按照精油提取的工艺方式，结合先进的自动化控制系统在线检测功能，开发的最新型的提取浓缩机组。
- ◆ 主要配件：提取罐、浓缩罐、搅拌电机、冷凝器、冷却器、油水分离器、带灯视镜、进料口、过滤器、管道视镜、加热棒、温度显示器、安全阀、控制柜、真空泵等。
- ◆ 罐体内自动加热，无需外部加热源。
- ◆ 三层保温、法兰结构、罐侧设有排渣口，便于清洗、内外焊缝抛光500目。
- ◆ 机组全部采用优质不锈钢（SUS304）材质制作而成。
- ◆ 机组装置选材优良，操作方便，安全、效率及自动化程度高优点。

Multi - functional extraction enrichment unit

This equipment is suitable for traditional Chinese medicine, food, beverage and plants containing high oil content. It has multiple process extraction, including micro-pressure, heat reflux, infiltration etc., and can be used for the extraction of aromatic oil, essential oils etc. The high-efficiency, sophisticated and highly automatic machine confirms to GMP pharmaceutical standards. This equipment is very suitable for colleges and universities, hospitals, research institutes and enterprises (experimental / R & D and production of small and medium use).

Equipment features:

- ◆ Model JWO-NSJ-10L, 20L, 30L, 50L, 100L, 200L, 300L, 500L, 1000L
- ◆ The device first extracts the material into the concentration tank by distillation and then conduct the low-temperature concentration
- ◆ This equipment is the latest extraction enrichment unit developed by our company in accordance with the essential oil extraction process and combined with advanced automated control system on-line detection function.
- ◆ The main accessories: extraction tank, concentrated tank, mixing motor, condenser, cooler, oil and water separator, with light mirror, inlet, filter, pipe mirror, heating bar, temperature display, safety valve, Cabinets, vacuum pumps and so on.
- ◆ Automatic heating within the tank, no external heating source.
- ◆ Three insulations, flange structure, no slag mouth on tank side, easy to clean, inside and outside the weld polished 500 mesh.
- ◆ All made of high quality stainless steel (SUS304).
- ◆ The material is excellent-selected and the machine is easy to operate, safe, efficient and highly automatic.



技术参数表

Technical parameter table

型号 Model	JWO-TGG-10	JWO-TGG-20	JWO-TGG-30	JWO-TGG-50	JWO-TGG-100	JWO-TGG-200	JWO-TGG-300	JWO-TGG-500
容量 Capacity	10L	20L	30L	50L	100L	200L	300L	500L
加热功率 (KW) Heating power	3	4.4	5	6	12	24	36	48
夹层压力 (Mpa) The mezzanine pressure	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4	0.3-0.4
罐内压力 (Mpa) Tank pressure	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
提取温度 Extraction temperature	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃	≤100℃
浓缩温度 Concentration temperature	40-80℃	40-80℃	40-80℃	40-80℃	40-80℃	40-80℃	40-80℃	40-80℃
加热面积 Heating area	0.22	0.28	0.35	0.55	0.99	1.36	1.42	1.6
搅拌功率 (KW) Stiring power	0.09	0.12	0.2	0.25	0.4	0.75	1.1	2.2
冷凝面积 (㎡) Condensate area	0.25	0.46	0.72	0.98	1.28	1.45	1.64	1.82
真空度 (Mpa) vacuum degree	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09	0.05-0.09
设备尺寸 (MM) Equipment size	1380X520X1700	1500X550X1780	1650X580X1850	1880X700X1900	1900X800X2080	2800X900X2700	1900X900X2800	2000X1200X3500

双效降膜浓缩蒸发器 JWO-JMNS-50L/H

本设备用于果蔬汁食品等热敏性物料的水分蒸发浓缩。在真空的条件下，对果汁和乳制品浓缩物料受热时间短、蒸发温度低，浓缩比大，对产品的色泽、风味和营养成分影响很小，自动控制，操作简易，连续性强及系统设计合理美观，运行稳定，节约大量能源等优点。



主要技术参数

- ◆水份蒸发量: 50Kg/h
- ◆进物量: 70Kg/h 适用于: (胡萝卜汁) (苹果汁) (番茄汁)等
- ◆进料浓度: 12%
- ◆出料浓度: 65%
- ◆蒸汽压力(表压) 0.05~0.08 MPa
- ◆一效蒸发温度: 75℃
- ◆二效蒸发温度: 60℃
- ◆冷却水进, 出温度: ~25/~39 ℃
- ◆冷却水耗量: 0.5t/h
- ◆总功率: 3.5 KW

设备组成

一效加热器、一效蒸发室，二效加热器、二效蒸发室，冷凝器、双效四段蒸发室组成。采用优质SUS304不锈钢材质制作而成，表面抛光500目、符合食品卫生及标准。

Double-effect falling film enrichment evaporator JWO-JMNS-50L / H

This equipment is used for the water evaporation and concentration of fruit and vegetable juice and other heat-sensitive materials. In the vacuum conditions, the concentration of the fruit juice and dairy products has many benefits, such as the time is short, the evaporation temperature is low, the concentration ratio is high, the damage of the product color, flavor and nutrients is small. The system is stable, energy saving, automatically controlled and easy to operate. The continuity of the process is high and the system design is reasonable and beautiful.

The main technical parameters

- ◆Water evaporation: 50 kg / h
- ◆Ingredients: 70Kg / h for (carrot juice) (apple juice) (tomato juice) and so on
- ◆Feed concentration: 12%
- ◆Discharge concentration: 65%
- ◆Steam pressure (gauge pressure) 0.05 - 0.08 MPa
- ◆Evaporation temperature: 75 ℃
- ◆Two - effect evaporation temperature: 60 ℃
- ◆Cooling water inlet and outlet temperature: - 25 / - 39 ℃
- ◆Cooling water consumption: 0.5t / h
- ◆Total power: 3.5 KW

The equipment composition

A heater, one effect evaporation room, two-effect heater, two-effect evaporation room, condenser, double-effect four-stage evaporating room. The equipment is made of high-quality SUS304 stainless steel with surface polished 500 mesh, meeting food-grade standards.



强制循环蒸发器 JWO-QZXH

本设备适用于胡萝卜汁、苹果汁、木糖、番茄汁、制药等。

技术参数

- ◆水份蒸发量: 50Kg/h
- ◆进料量: 60Kg/h
- ◆进料浓度: 12%
- ◆出料浓度: 35%
- ◆蒸发温度: 55℃
- ◆真空度: 0.08~0.085 MPa
- ◆蒸汽压力(表压) 0.05~0.08 MPa
- ◆冷却水进, 出温度:~25/~39 ℃
- ◆冷却水耗量: 0.5t/h
- ◆总功率:3.5 KW



设备组成

列管式加热器、蒸发室、列管式冷凝器、强制循环泵、真空泵、螺杆泵、刮板式视镜、电器元件等。采用优质SUS304不锈钢材质制作而成，表面抛光500目、符合食品卫生及标准。(可根据客户要求及蒸发量定制)

Forced circulating evaporator JWO-QZXH

This equipment is suitable for carrot juice, Apple Juice, xylose, Tomato Juice, Pharmaceuticals, etc.

Technical parameter

- ◆Evaporation of water: 50Kg/h
- ◆Feed volume: 60Kg/h
- ◆Feed concentration: 12%
- ◆Discharging concentration: 35%
- ◆Evaporation temperature: 55℃
- ◆Vacuum:0.08~0.085 MPa
- ◆Steam pressure (gauge) 0.05~0.08 MPa
- ◆Cold water inlet and outlet temperature:~25/~39 ℃
- ◆Cooling water consumption: 0.5t/h
- ◆Total power: 3.5 KW

Equipment composition

Tubular heater, Evaporator chamber, Steam tube condenser, Forced circulation pump, Vacuum pump, Single-screw pump, Scraper view mirror, Electrical components, etc., Made of high quality SUS304 stainless steel, Surface polishing 500 mesh, Compliance with food hygiene and standards, (which can be customized and according to customer requirements and evaporation)



真空罐
Vacuum tank



萃取罐
Extraction tank



纯水罐
Pure water tank



提升机
Elevator



储罐
Storage tank



奶罐
Milk tank

各类不锈钢罐（调配罐、发酵罐、酶解罐、压力罐、储罐）

设备特征

- ◆ 各种不锈钢罐，外形设计美观、操作方便、自动化程度高等优点。
- ◆ 罐体系列全部采用优质(SUS304/316L)不锈钢板精心制造而成，采用材质全部达到国际卫生级标准。
- ◆ 各类罐体适用于食品、饮料、生物、制药、化工等物料的保温储存。
- ◆ 本公司可根据用户的不同要求，精心设计和制造，达到用户满意为宗旨！

Equipment features

- ◆ All kinds of stainless steel cans, Beautiful shape design, Easy to operate, The advantages of high degree of automation.
- ◆ Full use of stainless steel tanks (SUS304/316L) Stainless steel plates are made, use stainless steel to reach international standards
- ◆ All kinds of tanks are suitable for food, Drinks, Biology, Pharmacy, Heat preservation and storage of chemical and other materials.
- ◆ The company may be based on the different requirements of the user., Elaborate design and manufacture, to achieve the purpose of user satisfaction!

小型不锈钢蒸汽锅炉及蒸汽发生器

小型不锈钢蒸汽锅炉和蒸汽发生器是我司与具有压力容器专业生产资质企业合作，严格按照相关规范进行设计及制造的小型承压设备。

应用范围

- ◆ 食品行业：饮料厂、酿酒厂、牛奶高温消毒、乳化机、乳化锅、化糖锅、炒菜饮料灭菌夹层锅、储油罐解冻等配套使用；
- ◆ 生物设备行业：发酵罐、发酵罐消毒、发酵罐空消、卧式发酵罐、啤酒发酵罐、反应釜、夹层锅、乳化机、灭菌罐、灭菌锅、灭菌器、涂装设备、学校实验室、高温碳化实验、热能实验测、花卉精油萃取等配套使用；
- ◆ 化工行业：反应釜加热、电镀厂推荐、电液液保温、电镀槽加热使用、电缆线加热加湿、纤维罐加热加湿、活性炭加热消毒、喷丝板加热、酸洗槽加热、磷酸盐管加热、高温电镀、阀门流量测试；
- ◆ 制药行业：医院专用、医院消毒、医院采暖、医院消毒柜、医院食堂、医院洗浴、制药设备加热、制药设备净化、制药环保、医疗机械消毒、制药工程配套、纯水系统配套加热、蒸煮药材、药材萃取、医院干洗机、医院洗衣房消毒；
- ◆ 清洗：高温蒸汽清洗、油污清洗、无缝管道清洗、厨房油污清洗、飞机场污渍清洗、烘干机清洗、油田设备清洗、铝合金模具清洗、工业机器清洗、发动机清洗、石油管道滤网清洗、不锈钢器件清洗、钢化玻璃封孔清洗、食品模具清洗、食品机械清洗、烤箱烤盘清洗、运输车清洗、油罐车清洗、工厂料箱料架清洗、传送带网链清洗、汽车零配件清洗；



型号/项目	LDR0.013-0.7	LDR0.017-0.7	WDR0.026-0.7
电热功率 kw	9kw	12kw	18kw
额定蒸发量 kg/h	13kg/h	17kg/h	26kg/h
额定电流 A	16A	20.5A	31A
工作电压 V	380V/50HZ	380V/50HZ	380V/50HZ
加热控制方式	on-off	on-off	on-off
额定工作压力 Mpa	0.7MPA	0.7MPA	0.7MPA
热效率	98%	98%	98%
饱和蒸汽温度℃	170℃	170℃	170℃
电源配线截面积mm ²	6mm ²	6mm ²	6mm ²
水泵功率 kw	0.55kw	0.55kw	0.55kw
水泵电源 v	220v/50hz	220v/50hz	220v/50hz
炉胆壁厚 mm	δ=6mm	δ=6mm	δ=6mm
外观净尺寸 mm	650*380*1070		800*400*1100
包装尺寸 mm	700*480*1100		950*500*1280
蒸汽管口径 mm	DN15	DN15	DN15
排污管口径 mm	DN15	DN15	DN15
进水管口径 mm	DN15	DN15	DN15
安全阀口径 mm	DN15	DN15	DN15
照片	有	有	有

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