

全系列工业装备



制药/食品/化工机械 行业解决方案

MECHANICAL INDUSTRY SOLUTIONS



核谷天富(重庆)智能装备有限公司



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核谷天富(重庆)智能装备有限公司

NUCLEAR VALLEY TIANFU (CHONGQING) INTELLIGENT EQUIPMENT CO., LTD

公司简介

核谷天富（重庆）智能装备有限公司，位于全国先进制造业基地重庆市石柱、浙江省温州经济技术开发区，是专业生产生物制药设备及卫生级流体设备配件，集设计、制造、服务于一体的科技型企业，主营多功能提取罐、精油提取机、提取浓缩机组、低温蒸发器、配液罐、生物发酵罐、层析柱、精馏釜、精馏塔等。公司注重员工培养，大多数职工具有十年以上的焊接经验，具有工程设备管道安装实力，配备领先的制造技术、优质的加工设备、诚信的经营理念，生产符合制药机械标准，满足“GMP”要求、符合食品QS认证标准。公司严肃认真地履行对客户的承诺，确立“以质量求生存，用信誉促发展”的宗旨，竭诚为新老客户服务，共同在药食化行业作出自己的贡献。

公司与多家院校合作，引进多方面技术人员，具有合理的生产工艺设计及配套设备的生产，我们始终将卫生标准放在质量控制标准的首位，所有设备及配件均能符合用户最为严格的卫生要求。力争双赢、诚信、发展。

- ◆ 制药、生物发酵工程有关的机械设备
- ◆ 果酒、果醋、浓缩液、口服液生产线设备
- ◆ 化妆品及其它精细化工的机械设备
- ◆ 其它流体制造相关的机械设备、阀门、管道和管路配件

整体工程从设计、制造到安装、调试、培训、售后服务等一条龙的交钥匙服务。
产品质量、售后服务及品牌形象，符合《中国节能环保产品》的标准，被荣选为：

中国节能环保产品



COMPANY PROFILE

Nuclear Valley Tianfu (Chongqing) Intelligent Equipment Co., Ltd is located in Chongqing Shizhu, Chongqing City, an advanced manufacturing base in China, and Wenzhou Economic and Technological Development Zone, Zhejiang Province. We are a technology-based enterprise specializing in the production of biopharmaceutical equipment and sanitary fluid equipment accessories, integrating design, manufacturing, and service. Our main products include multifunctional extraction tanks, essential oil extraction machines, extraction and concentration units, lowtemperature evaporators, mixing tanks, biological fermentation tanks, chromatography columns, distillation vessels, distillation towers, etc. The company focuses on employee training, with most employees having over ten years of welding experience, strong engineering equipment and pipeline installation capabilities, equipped with leading manufacturing technology, high-quality processing equipment, and an honest business philosophy. Production meets pharmaceutical machinery standards, GMP requirements, and food QS certification standards. The company earnestly fulfills its commitment to customers, establishes the purpose of "survival with quality, development with reputation", and wholeheartedly serves new and old customers, making its own contribution to the pharmaceutical and food chemical industry together.

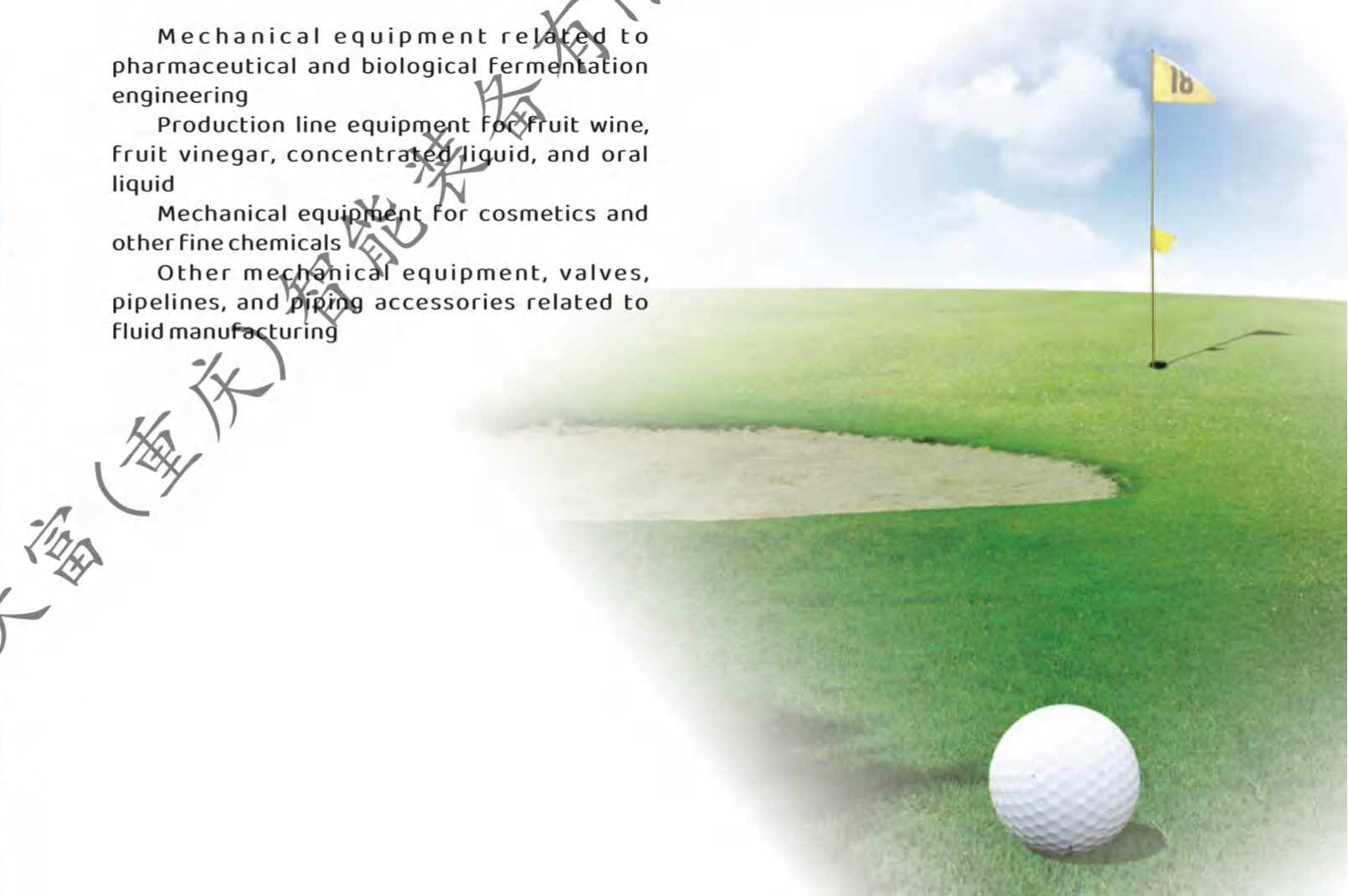
The company has cooperated with multiple universities, introduced various technical personnel, and has reasonable production process design and supporting equipment production. We always prioritize hygiene standards in quality control standards, and all equipment and accessories can meet the strictest hygiene requirements of users. Strive for win-win, integrity, and development.

Mechanical equipment related to pharmaceutical and biological fermentation engineering

Production line equipment for fruit wine, fruit vinegar, concentrated liquid, and oral liquid

Mechanical equipment for cosmetics and other fine chemicals

Other mechanical equipment, valves, pipelines, and piping accessories related to fluid manufacturing



工程实例
PROJECT EXAMPLES

提取车间实拍图



工程实例
PROJECT EXAMPLES

中试提取车间实拍图



工程实例
PROJECT EXAMPLES

提取车间实拍图



工程实例
PROJECT EXAMPLES

浓缩车间实拍图



工程实例
PROJECT EXAMPLES

回收精馏案例



工程实例
PROJECT EXAMPLES

层析柱车间实图



工程实例
PROJECT EXAMPLES

配料车间实图



工程实例
PROJECT EXAMPLES

油脂乳品配料案例



工程实例
PROJECT EXAMPLES

乳化配料案例



工程实例
PROJECT EXAMPLES



果酒果醋发酵实图



工程实例
PROJECT EXAMPLES

生物发酵案例



工程实例
PROJECT EXAMPLES

蒸发器案例



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植物精油纯露提取机

一、可采用不同的加热方式

电加热方式、燃气加热方式、液化气加热方式、燃煤锅炉加热方式、生物油生物质材料加热方式等，多种加热方式供你选择。

1.Different heating methods can be adopted: electric heating mode, steam heating mode, liquefied gas heating mode, coal boiler heating mode, bio-oil biomass material heating mode and other options for you to choose

二、可提取植物里有效成分产品

精油，纯露，配套真空系统，蒸汽系统，过滤系统，及分离系统，我公司通过多年实践与摸索得出的最适合你的提取方式。

2. Extable plant active ingredient products, essential oil, pure dew, supporting vacuum system, steam system, filtration system, and separation system, our company through years of practice and exploration of the most suitable for your extraction

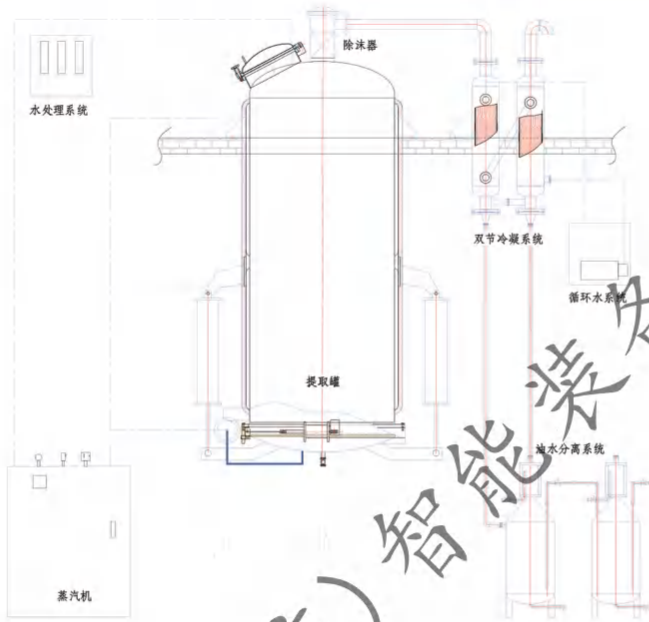


精油提取罐

Essential Oil Extraction Tank

技术参数 Technical parameters:

参数 Parameters	型号 Model	TQ-50	TQ-100	TQ-300	TQ-500	TQ-1000	TQ-2000-10000
提取机容积(L) Extor Volume (L)		50	100	300	500	1000	2000-10000
温度(℃) temperature (℃)		50-100					
蒸汽耗量立方/h Steam consumption cubic / h		1	2	3	4	8	16-50
蒸汽耗量KG/h Steam consumption KG/h		10	20	50	100	200	500-2000
冷却水耗量 (kg/小时) Cooling water consumption (kg / hour)		500	500	1000	1000	2000	5000-10k
提取时间 (小时) Extraction time (hours)		0.5-5					
直径*高 (米) Diameter * height (m)		0.6*1.5	0.8*1.6	0.9*1.8	1.0*1.9	1.2*2.5	1.6*3.0-3*8



三、多功能精油纯露提取机工艺流程

将物料放入提取机里，加入适量的水，开启蒸汽机，用蒸汽加热提取机内物料，直至沸腾状态，保持微沸腾状态待有油析出，蒸汽透过物料层，随后精油析出，精油随蒸汽沿着排气管上升至冷凝器，经冷却器，油水分分离器，将精油分离出来，收集纯露。或水流回提取机，进行循环蒸馏，直至提取机内物料将油全部蒸出，停止加热，收集提取液。

3. Multifunctional essential oil pure dew extraction machine process Put the material into the extraction machine, add the right amount of water, open steam engine, steam heating in the material, until boiling strong, keep slightly boiling strong state for oil precipitation, steam through the material layer, with the essential oil precipitation, essential oil with the steam along the exhaust pipe to the condenser, through the cooler, oil and water separator, the essential oil separation, collect pure dew, or water back to the extraction machine, cycle distillation, until the extraction machine material all oil steam out, stop heating, collect extract.

TQ系列多功能提取罐



正锥型提取罐
Normal taper type
extracting tank



直筒型提取罐
Straight tube type
extracting tank



蘑菇型提取罐
Mushroom type
extracting tank



倒锥型提取罐
Inverted cone type
extracting tank

适用范围 USE:

本设备适用于制药、生物、食品、化工等行业，常用于中草药的有效成份及芳香油的提取与浓缩，是中药生产过程中的普遍采用设备。

This machine is suitable for pharmacy, biology, food, chemical industry, often used in Chinese medicine effective ingredients and balmy oil extraction and concentration of traditional Chinese medicines, is the common equipment.

设备特点 Device characteristics:

- A、严格按压力容器规范制作，内外精密抛光，符合GMP要求。
- B、设备主要由主罐、消泡器、冷凝器、冷却器、油水分分离器、过滤器等组成。
- C、设备的主要形式有直筒式、正锥式、蘑菇式、倒锥式等，可根据需要装备搅拌装置。
- D、出渣门有多种形式供用户选择，有双气缸式、多气缸式、螺旋式、齿合式。
- E、根据客户需要可加大出液时的过滤面积，以提高生产效率。

A. Strictly according to pressure vessel code, precision polishing, make internal and external comply with GMP. B. Equipment is mainly by the cans, away PaoQi, condenser, cooler, the oil-water separator, filters etc. C. The main form of the equipment has straight tube type, is cone type, grinding, she reversed cone of such as type, can according to need equipment mixing device. D. Dregs door have DuoZhong form for the user choice, there is double cylinder type, many cylinder type, spiral, tooth jewels. E. According to customer needs can increase when the liquid filtration area to improve production efficiency.

技术参数 Technical parameters:

参数 Parameters	型号 Model	HDT-0.5	HDT-1.0	HDT-2.0	HDT-3.0	HDT-5.0	HDT-6.0	HDT-8.0	HDT-10
提取罐容积 (V³) Volume		0.5	1.0	2.0	3.0	5.0	6.0	8.0	10
夹层压力(Mpa) Jacket pressure		0.2-0.3Mpa							
罐内压力(Mpa) Work pressure		常压							
冷凝面积(M²) Condensing area		3	4	5	8	8	10	12	15
冷却面积(M²) Cooling area		0.5	0.5	1	1	1.5	1.5	1.5	1.5
蒸汽耗量(Kg/H) Stream cost		165	285	346	570	660	718	900	1200
冷却水量(T/H) Cooling water		3	4	5	8	8	10	12	15
出渣门直径(mm) Outlet diameter		DN400	DN800	DN800	DN1000	DN1000	DN1200	DN1200	DN1200
电机功率(Kw) Motor power		1.1	2.2	3	4	5.5	5.5	7.5	7.5

TW 系列小型(低温)提取浓缩机组



多功能提取浓缩机组
Multi functional extraction and concentration unit

适用范围 USE:

本设备适用于中草药及多种植物的有效成分提取、浓缩，可实现溶剂回收及芳香油收集。特别适合医院、药厂、科研单位研制产品及小批量生产。

This equipment is suitable for extracting effective components of Chinese herbal medicine and many plants, concentration, which can realize the solvent recovery and aromatic oil collection. Especially suitable for hospitals, pharmaceutical factories, scientific research units to develop products and small batch production.

设备特点 Device characteristics:

1. 本设备具有占地面积小、制作精致、配套齐全、操作方便等优点，特别适合于小批量、多品种的生产方式。
2. 本设备配备：真空泵、药液泵、过滤器、受液槽、控制柜等配套附件，设备分为蒸汽加热和电加热，设备购买后只需接上水、电或蒸汽后即可使用。
3. 设备功能齐全，适用于水提和醇提，能进行常压和负压提取并且可以回收挥发油，配置真空转换器及控制箱，操作方便，可实现常温提取低温浓缩；常温提取常温浓缩；低温提取低温浓缩等工艺要求。
4. 电加热结构设计先进、高效、安全、加热和降温快捷、加热均匀，罐上配有安全减压装置，确保使用安全。
5. 可以实现回流提取工艺，减少提取浓缩时间，节省溶媒。
6. 独特的油水分离器设计，集真空转换功能于一体，使油水分离效果更好，采用玻璃材质，便于观察。

技术参数 Technical parameters:

型号 Mode	HWT-30	HWT-50	HWT-100	HWT-200	HWT-500
参数 Parameters					
提取罐容积(L) Volume	30	50	100	200	500
夹层压力(Mpa) Jacket pressure			0.2		
罐内压力(Mpa) Work pressure			常压		
罐内真空度(Mpa) Vacuum degree			0.08		
蒸汽耗量(Kg/H) Stream cost	42	65	110	180	3000
总功率(KW) Total power	2.57	2.57	3.37	3.55	7.0



小型电加热提取浓缩机组
Small extraction enrichment units



微型多功能提取浓缩机组
The micro extraction enrichment units

1. This equipment has the cover an area of an area small, elaborate, complete equipments, the advantages of convenient operation, especially suitable for small batch and many varieties of production mode.
2. This equipment is equipped with vacuum pump, liquid pump, filter, the liquid tank, control cabinet and other supporting attachments, divided into steam heating and electric heating equipment, equipment purchase after just can use after water, electricity or steam on.
3. The equipment function is all ready, is suitable for the water extraction and alcohol extraction, can extract atmospheric pressure and negative pressure and recovery of volatile oil, configure vacuum converter and control box, easy to operate, which can realize the normal temperature to extract low temperature concentration; Room temperature extraction temperature enrichment; Technological requirements of low temperature extraction enrichment at low temperature, etc.

WZ 系列 单/双/三效(低温)真空浓缩器



WZ I 单效(低温)真空浓缩器
WZ I ONE CONCENTRATOR

适用范围 USE:

本设备适用于中药、西药、葡萄糖、淀粉糖、口服液、化工、食品、味精、乳品等物料浓缩与工业有机溶剂（如酒精）的回收，适用于小试、中试品种多的热敏性物料的低温真空浓缩。

This equipment is suitable for Chinese traditional medicine, western medicine, dextrose, amylum sugar, oral liquid, chemical, foodstuff, monosodium glutamate, dairy products and other material enrichment and industrial organic solvent such as alcohol recovery, test in applicable to many varieties of low-temperature vacuum concentration of thermal sensitive material.

设备特点 Device characteristics:

1. 设备采用外加热自然循环和真空浓缩相结合的方式，蒸发速度快，浓缩比重达到1.2以上。
2. 液料在全封闭的状态下进行真空浓缩，出来的物料无污染、药味浓、膏质均匀，并可以回收有机溶剂。
3. 采用三效（多效）同时蒸发，二次蒸汽得以更充分利用，节约能源。耗能量与单效相比可节约60%以上，并可同时浓缩三种以上不同的液料。
4. 加热器的上盖配置快开装置，方便清洗。并可配置自动排水装置，方便操作，减轻劳动强度。
5. 可配置PLC控制系统，对进出料、温度、压力等实现全自动控制。

技术参数 Technical parameters:

型号 Mode	WZ-500	WZ-1000	WZ-1500	WZ-2000	WZ-3000	WZ-5000	WZ-8000
参数 Parameters							
蒸发量(Kg/H) Evaporating capacity	255	500	750	1000	1500	2500	4000
蒸汽压力(Mpa) Steam pressure	≤0.25						
蒸汽耗量(Kg/H) Stream cost	≤200	≤400	≤600	≤800	≤1200	≤2000	≤3200
蒸发温度(°C) Evaporating temperature	一效 One effect	85-95	真空度(Mpa) Vacuum degree		一效 One effect	0.02-0.04	
	二效 Two effect	70-80			二效 Two effect	0.05-0.06	
	三效 Three effect	55-65			三效 Three effect	0.08-0.09	
耗水量(T/H) Water consumption	5	10	13	15	18	25	40
浓缩比重 Concentrating ratio	1.2-1.3						
外形尺寸(m) Overall size	5 x 1.3 x 3	6.5 x 1.5 x 3.3	7 x 1.7 x 3.5	7.5 x 2 x 4	7.8 x 2 x 4	8 x 2 x 4.5	9 x 2.5 x 5



WZ II 双效(低温)真空浓缩器
WZ II DOUBLE CONCENTRATOR



WZ III 三效(低温)真空浓缩器
WZ III THREE CONCENTRATOR

- 1, the device adopts the combination of external heating natural cycle and vacuum concentration, evaporation speed, concentration proportion reached more than 1.2.
- 2, liquid vacuum concentration under the closed state, the material non-polluting ingredients, thick, paste evenly, and organic solvent can be recycled.
- 3, using three-way (multi-effect) evaporation at the same time, secondary steam to make full use of more, save energy. Compared with the single effect can save energy more than 60%, and can be concentrated at the same time more than three different liquid.
- 4, heater cover with quick opening device, easy to clean. And configurable automatic drainage device, convenient operation, reduce labor intensity.
- 5, PLC control system can be configured for in and out of material, temperature, pressure, etc to realize automatic control.

设备特点 Device characteristics:

本设备适用于制药、食品、化工等行业对料液的浓缩、蒸馏、回收有机溶剂等工艺。由于采用减压浓缩，故而浓缩时间短，对热敏性物料不会破坏其有效成份。

本设备主要由浓缩罐主体、冷凝器、汽液分离器、受液桶四个部分组成。本设备与物料接触部分均为OCr18Ni19不锈钢制造，具有良好的耐腐蚀性能，经久耐用，并符合药品卫生要求。

This equipment is suitable for pharmaceutical, foodstuff, chemical and other industries of material liquid concentration, distillation and recycling the organic solvent, etc. As a result of reduced pressure concentration, and concentration time is short, for heat-sensitive materials won't destroy the effective ingredients.

This equipment is mainly composed of concentrator subject, condenser, liquid separator, the liquid barrel of four parts, the equipment and material contact parts made in OCr18Ni19 stainless steel, and has good corrosion resistance, durability, and conform to the requirements of the drug and health.

技术参数 Technical parameters:

型号 Mode	QN-300	QN-500	QN-700	QN-1000
参数 Parameters				
容积(L) Volume	300	500	700	1000
蒸发量(Kg/H) Evaporation	70	120	145	195
设计压力(Mpa) Design pressure	0.3Mpa			
真空度(Mpa) Vacuum pressure	-0.04Mpa ~ -0.08Mpa			
加热面积(M ²) Heating area	1.1	1.6	2.7	3.1
冷凝面积(M ²) Cooling area	3	6	8	10
设备重量(Kg) Weight	380	450	630	950
外形尺寸(M) Size	1.9*1.1*2.3	2.1*1.2*2.5	2.2*1.3*2.5	2.4*1.5*2.6

设备特点 Device characteristics:

本设备采用的刮板桨叶与罐筒配合可选用球形或锥形，罐体采用夹套结构加热，冷凝器为列管式，冷却器为蛇管式，设备外壳哑光，生产过程符合药品生产GMP质量标准。搅拌蒸发，浓缩效果好，适用于高粘度状态物料的热蒸发浓缩。

This equipment adopts the scraper blade and can cooperate can choose spherical or conical tube, USES the heating jacket structure of tank, the condenser is tubular, cooler is coiled tube type, equipment enclosure matte, the production process in accordance with GMP pharmaceutical production quality standards. Mix evaporation and concentration effect is good, is suitable for the evaporation concentration of heat transfer in the state of high viscosity material.

技术参数 Technical parameters:

型号 Mode	ZN-300	ZN-500	ZN-700	ZN-1000
参数 Parameters				
容积(L) Volume	300	500	700	1000
蒸发量(Kg/H) Evaporation	76	100	125	165
设计压力(Mpa) Design pressure	0.3Mpa			
真空度(Mpa) Vacuum pressure	-0.04Mpa ~ -0.08Mpa			
加热面积(M ²) Heating area	1.1	1.45	1.8	2.2
冷凝面积(M ²) Cooling area	3	6	8	12
冷却面积(M ²) Cooling area	0.6	0.7	0.86	1
设备重量(Kg) Weight	380	450	630	950
外形尺寸(M) Size	1.9*1.1*2.3	2.1*1.2*2.5	2.2*1.3*2.5	2.4*1.5*2.6

Qn型球形真空浓缩器
Qn Spherical ConcentratorZn型真空减压浓缩器
Zn Vacuum Vacuum ConcentratorGn型刮板式真空浓缩器
Gn Scraper Vacuum Concentrator

主要特点 Main characteristics:

本设备适用于不结晶的流体物料浓缩，尤其适合于食品行业中热敏性流体物料的浓缩，如：牛乳、果汁、蔬菜汁、葡萄糖液、淀粉糖液、酵母液、氨基酸、菠萝汁、苹果汁、中草药、鱼汁等。在真空的条件下进行低温连续浓缩，具有保证成品质量，全自动连续操作，节约能源等优点。

适用制药工业、食品工业、乳品工业、制盐工业、饮料工业、水产品与海产品加工、肉类加工、淀粉工业、蜂蜜工业、食品添加剂、调味品工业等。

The device is to concentrate the material not crystallization of fluid, especially suitable for food industry in the concentration of the thermal sensitive liquid materials, such as: milk, fruit juice, vegetable juice, glucose fluid, starch sugar liquid, the mother liquor leaven, amino acids, pineapple juice, apple juice, Chinese herbal medicine, fish sauce, etc. In the vacuum under the condition of low temperature continuous enrichment, has the guarantee product quality, continuous automatic operation, saving energy, etc.

技术参数 Technical parameters:

型号 Mode	JMN-600	JMN-800	JMN-1000	JMN-2000	JMN-3000	JMN-5000	JMN-8000	JMN-10000
参数 Parameters								
蒸发量(Kg/H) Evaporation	600	800	1000	2000	3000	5000	8000	10000
蒸汽压力(Mpa) Steam pressure	0.08~0.2							
耗水量(M ³ /H) Stream consumption	250	280	350	850	1100	16500	2800	3700
一效蒸发温度 Single-effect evaporating temperature	73~76							
二效蒸发温度 Two-effect evaporating temperature	60~63							
三效蒸发温度 Three-effect evaporating temperature	49~051							
真空度 Vacuum degree	0.0975							
循环水耗量Circulation water consumption	12	16	20	50	62	100	160	220
设备重量(Kg) Equipment weight	3200	4350	5300	5800	11200	16400	26500	35500
外形尺寸(mm) Outline dimensions	长 L	4000	4500	5800	6200	7000	8200	10300
	宽 W	1200	1200	1500	2400	2800	3900	5100
	高 H	5200	5500	6500	8700	10500	12300	14300

强制循环蒸发器



MVR简介 Introduce:

适用范围：
强制循环式单效、双效、三效及多效蒸发器，适用于高浓缩、高粘度，含不溶性固形物等食品、制药、化工、生物工程、环保工程、废液回收等行业进行低温浓缩。
系统组成：
各效加热器、各效分离器、冷凝器、循环泵、效间泵、真空及排水系统、分汽缸、操作平台、电器仪表控制柜及阀门、管路等系统组成。

Scope of application:
Controlled circulation effect of single, double, three effects and multiple effect evaporator, suitable for high concentration, high viscosity, containing insoluble solids such as food, pharmaceutical, chemical and biological engineering, environmental engineering, waste liquid recycling industry such as low temperature concentration.
System composition:
Each effect heater, separator, condenser efficiency, circulating pump, pump, vacuum and drainage systems, electrical instrument control cabinet, cylinder, operation platform, valves and piping system.

主要特点 Main characteristics:

- 性能特点：
- 1、全套系统设计合理美观、运行稳定、高效节能，蒸汽耗量低；
 - 2、浓缩比大，强制循环式，使粘度较大的料液容易流动蒸发，浓缩时间短；
 - 3、特殊设计经简单操作可实现切换改效，以适应不同产品的生产；
 - 4、蒸发温度低，热量得到充分利用，料液受热温和，适用于热敏性物料的浓缩；
 - 5、蒸发器通过强制循环，在管内受热均匀，传热系数高，可防止“干壁”现象；
 - 6、料液进入分离器再分离，强化了分离效果，使整体设备具有较大的操作弹性；
 - 7、整套设备结构紧凑，占地面积小，布局简单流畅，代表了大型成套蒸发设备的发展方向；
 - 8、连续进出料，料液液位与所需浓度可实现自控；
 - 9、蒸发量：根据客户需要设计。



- 1, a full set of reasonable system design is beautiful, stable running, high efficiency and energy saving, low steam consumption;
- 2, concentration ratio, controlled circulation, make the viscosity larger easy flow of material liquid evaporation, concentration time is short;
- 3, special design with simple operation and can realize switch change effect, so as to adapt to the production of different products;
- 4, low evaporation temperature, full use of the heat, mild material liquid is heated, is suitable for the enrichment of thermal sensitive material;
- 5, evaporator by forced circulation in the tube heated evenly and heat transfer coefficient is high, can prevent the phenomenon of "dry wall";
- 6, material liquid into the separator to separate, and strengthened the separation effect, make the whole equipment has a large elasticity of operation;
- 7, a complete set of equipment structure is compact, cover an area of an area small, simple layout is fluent, represents

JH 酒精回收塔/多功能酒精浓缩器



Jh 酒精回收塔
Jh Alcohol Recovery Tower



多功能酒精浓缩器
Alcohol Concentrator

产品用途 USE:

本设备适用于食品、轻工、化工等行业的稀酒精回收、具有节能、环保、降低生产成本、提高效率的优点。

Used in the food, light industry, chemical industry and thin alcohol recovery, energy saving, environmental protection, to reduce production cost and improve the efficiency of the advantages.

产品特点 Product characteristics:

本设备由塔釜、塔身、冷凝器、冷却器、缓冲罐、高位贮罐六个部分组成，与物料接触部分均采用优质不锈钢 SUS304或SUS316L制造，具有良好的耐腐蚀性能，外表面亚光处理，符合GMP医药标准，本装置可将30度~50度的稀酒精蒸馏到93度~95度，残液排放含醇度低，并且具有节能、环保、降低生产成本、提高效率的优点。

This equipment by column reactor, minus its, condenser, cooler, buffer tank high storage tank, six parts, parts contacted with material using high quality stainless steel SUS304 or SUS316L manufacture, has good corrosion resistance, inferior smooth processing, on the surface of the GMP standard, this device can will be 30 degrees ~ 50 degrees thin alcohol distillation of to 93 degrees to 95 degrees, residual liquid containing alcohol degrees, low emissions and energy saving, environmental protection, to reduce production cost and improve the efficiency of the advantages.

技术参数 Technical parameters:

型号 Mode	JH-200	JH-300	JH-400	JH-500	JH-600	JH-800
参数 Parametes						
塔容积 (V3) Volume	0.6	1.2	1.5	2.0	2.5	3.2
塔身高(mm) Tower height	6000	7000	7000	8000	9000	10000
塔身直径(mm) Tower diameter	200	300	400	500	600	800
冷凝面积(M²) Condensing area	9	15	23	30	40	60
冷却面积(M²) Cooling area	1	2	2.2	4	6	8
换热面积(M²) Exchange area	3	5	6.5	15	20	30
回收能力(Kg/H) Recovery capability	45-50	90-100	150-160	280-300	420-440	600-620
回收浓度(%) Recovery concentration	90-95					
填料形式 Filler form	不锈钢波纹填料 Stainless steel corrugated filler					
外形尺寸(m) Oveall size	2.3 x 0.7 x 7.3	2.6 x 0.8 x 8	2.6 x 1 x 9	3 x 1.4 x 11	3 x 1.4 x 12	3 x 1.4 x 13.5

溶剂精馏回收装置

产品用途 Use

可设计制造正压、负压、高温、高压、一级或多级精馏方式，化工溶剂的回收处理及再利用，在现有经验及软件模拟的基础上，对客户所需的新产品制定合适的分离路线，对化工混合物进行分离提纯工艺设计。选择最优的工艺路线和技术方案，全自动控制软件、工艺设备设计和管道布局设计等。其中最主要的是为针对具体生产任务，进行精馏塔、吸收塔、萃取塔、共沸塔、吸附塔等的设计。

Can design and manufacture positive pressure, negative pressure, high temperature, high pressure, primary or multistage distillation mode, chemical solvent recovery treatment and reuse. Based on the existing experience and software simulation, make the appropriate separation route for the new products required by customers, and design the separation and purification process for the chemical mixture. Select the optimal process route and technical scheme, fully automatic control software, process equipment design and pipeline layout design, etc. One of the most important is to conduct the design of distillation tower, absorption tower, extraction tower, azeotropic tower and adsorption tower for specific production tasks.

产品特点 Product characteristics

- 1、设备计算:主要包括操作参数(操作压力、进料状态、最佳操作回流比、加热方式、全塔效率估算、最佳进料位置);塔型设计计算(塔高、塔径、填料选型、填料层高度、塔内件选型)。
- 2、换热计算:主要包括冷凝器热负荷、冷凝器结构形式、冷媒选择和换热面积计算;再沸器热负荷、再沸器结构形式、热媒选择和换热面积计算，塔及管道保温计算。
- 3、满足特殊生产要求的设备设计计算。

1. Equipment calculation: mainly includes operating parameters (operating pressure, feed state, optimal operating reflux ratio, heating method, estimation of overall tower efficiency, and optimal feed position); Tower design calculation (tower height, tower diameter, packing selection, packing layer height, and selection of tower internal components).
2. Heat exchange calculation: mainly includes the heat load of the condenser, the structural form of the condenser, the selection of refrigerant, and the calculation of heat exchange area; Heat load of reboiler, structural form of reboiler, selection of heat medium and calculation of heat exchange area, tower and pipeline insulation calculation.
3. Equipment design calculations that meet special production requirements.



28精馏装置
28 Distillation Unit

产品用途 Use

常用回收处理DMF 精馏回收装置、丙酮回收装置、乙二醇回收装置、异丙醇 (IPA)精馏回收装置、丙酮废水回收装置、甲醇废水脱盐回收装置、N-甲基吡咯烷酮脱水项目、DMAC、AEE、NMP、水废液溶剂回收、MEA、DMSO、水、树脂废液溶剂回收、二丙酮醇产品精制、甲基丙烯酸缩水甘油酯产品精制、苯二酚提纯、邻苯二酚回收、苯二酚系列衍生物精制、发酵液维生素E提纯项目、鱼油 (EPA/DHA)轻组分脱除项目、愈创木酚提纯项目

Commonly used recycling and processing equipment includes DMF distillation recovery unit, acetone recovery unit, ethylene glycol recovery unit, isopropanol (IPA) distillation recovery unit, acetone wastewater recovery unit, methanol wastewater desalination recovery unit, N-methylpyrrolidone dehydration project, DMAC, AEE, NMP, water waste solvent recovery, MEA, DMSO, water, resin waste solvent recovery, acetone alcohol product refining, glycidyl methacrylate product refining, and phenol purification. Recovery of catechol, refining of catechol derivatives, purification of vitamin E from fermentation broth, removal of light components from fish oil (EPA/DHA), purification of guaiacol

SL 系列渗漉罐/层析柱、吸附柱

产品用途 Use

本设备适用于中药、植物、动物、食品、化工等行业的渗漉操作。

This equipment is suitable for Chinese traditional medicine, plants, animals, food, chemical and other industries diacolation operation.

产品特点 Product features:

本设备主要由罐体、喷淋管、气动出渣门等部件组成。溶剂通过罐体上部的喷淋管均匀的洒在药材上。通过浸泡，使药材的有效成分溶入到溶剂中。

This equipment is mainly composed of tank, spraying pipe, pneumatic slag door and other parts. Solvent through the upper tank spray tube evenly sprinkled on the medicinal materials. Through immersion, active ingredients of the medicinal materials to immerse himself in the solvent.

技术参数 Technical parameters:

型号 Mode	SL-500	SL-1000	SL-3000	SLS-6000
参数 Parameters				
容积(L) Volume	500	1000	3000	6000
工作压力(Mpa) Working pressure	常压			
出渣门直径(mm) Diamete	400	800	800	1000
外形尺寸(M) Size	0.6*2.3	0.8*2.75	1*3.8	1.5*4.8



渗漉罐
Diacolation Tank

产品用途 Use:

本设备适用于制药、食品、化工等行业的液料提纯及祛除杂质。

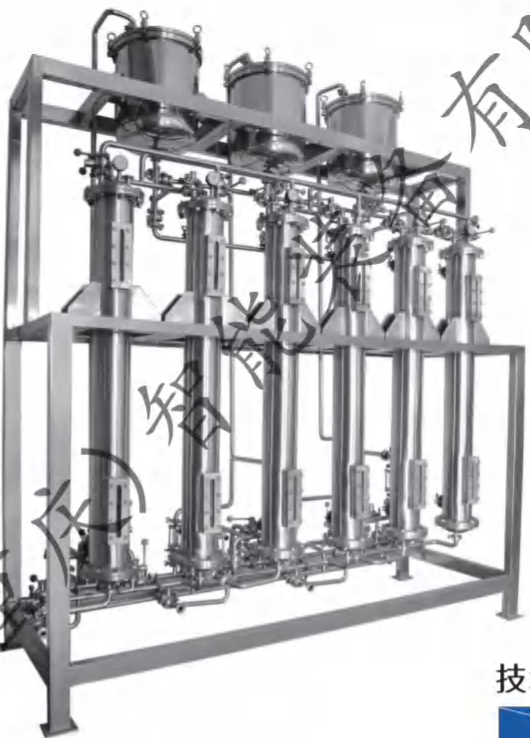
根据植物有效成分与装于层析柱内的树脂的不同亲和程度，有层次地分开不同类别或不同的成分，而得到计划得到的有效组成或成分，对于制备高药效、小剂量的中药或植物是非常重要的精确手段。

This equipment is suitable for pharmaceutical, foodstuff, chemical and other industries of liquid purification and removing impurity.

According to the active ingredients of the plant and in different affinity chromatography column in the resin, have layers to separate different categories or of different ingredients, and plans to get an effective or ingredients, for the preparation of high efficacy, small doses of medicine or plants is very important for accurate method.

技术参数 Technical parameters:

型号 Mode	CX-159	CX-159	CX-159	CX-159	CX-159
参数 Parameters					
规格(mm) Volume	159X1000	219X1500	300X2000	400X2500	600X3000
材质 Material	S30603	S30603	S30603	S30603	S30603
工作压力(Mpa) Working pressure	≤0.6	≤0.6	≤0.6	≤0.6	≤0.6
填料精度(目) Density	100-600	100-600	100-600	100-600	100-600
备注 Note	适用溶剂: 有机溶剂、稀酸、稀碱、醇液体等				



不锈钢层析柱/吸附柱
Stainless steel column Chromatography



醇沉罐/沉淀罐
Alcohol Sink Tank



结晶罐
Crystallization Tank

设备用途 Use:

本设备适用于中药口服液、食品、保健品等的提取液的酒精沉淀分离，是醇沉工序的关键设备。

This equipment is suitable for Chinese medicine oral liquid, food, health care products, such as extracting liquid alcohol precipitation separation, is the key to the alcohol sinking process equipment.

产品特点 Product characteristics

设备配备CIP清洗旋转喷洗球头，测温孔、测压孔、防爆视灯、视镜、快开式投料口等，确保操作方便、使用可靠。对生产环境无污染、噪音小等特点，本设备均采用 SUS304/SUS316L 不锈钢制作，内外表面均卫生级镜面抛光或拉丝处理，传动部位采用机械密封，防爆电机确保生产过程安全符合GMP质量标准。

Device equipped with CIP cleaning rotating spray cleaning ball head, the WenKong, pressure taps, explosion-proof depending on the light, as a mirror, quick release open mouth and so on, ensure convenient operation, use reliable. The pollution, the noise of the production environment characteristics, such as small this equipment all use SUS304 / SUS316L stainless steel production, both internal and external surface sanitation mirror polishing or drawing processing, in accordance with The transmission parts use of mechanical seal, explosion-proof electric motor to ensure production process safetyGMP standard of quality.

技术参数 Technical parameters:

型号 Mode	HJC-0.1	HJC-0.3	HJC-0.5	HJC-1.0	HJC-1.5	HJC-2.0	HJC-3.0	HJC-6.0
参数 Parameters								
提取罐容积(V3) Volume	0.1	0.3	0.5	1.0	1.5	2.0	3.0	6.0
夹层压力(Mpa) Jacket pressure	0.2-0.3Mpa							
罐内压力(Mpa) Work pressure	常压							
加热面积(M²) Heating area	1.2	1.8	3	4.5	5.4	10	12	15
设备直径(mm) Inside diameter	500	600	800	1000	1200	1300	1500	1900
夹层直径(mm) Jacket diameter	600	700	900	1100	1300	1400	1600	2000
筒体高度(mm) Cylinder high	500	900	900	1200	1200	1300	1500	2000
电机功率(KW) Motor power	0.55	0.75	1.1	1.5	2.2	3	4	5.5
设备重量(Kg) Weight	385	512	1250	1480	1750	1880	2400	4300



移动式搅拌罐
Moving Mixing Tank



气动搅拌罐
Pneumatic Mixing Tank

主要特点 Main characteristics:

本设备适用于大输液、针剂、药液、生物制品、口服液、发酵液等料液的配制

Widely used in big infusion and injection, solution, biological products, oral liquid, fermented liquid materials such as the preparation

规格:10L-300L, 本设备结构设计美观、操作方便、支脚采用万向轮设计、卫生、清洗方便、移动灵活稳固、内、外表面经卫生级镜面抛光处理符合GMP质量标准。

Volume: 10L-300L, this equipment structure design is beautiful, convenient operation, supporting feet adopt universal wheel design, health, easy clean, flexible mobile firm; Inside, outside surface by the health level mirror polishing treatment in accordance with GMP standard of quality, use of mechanical seal, explosion-proof electric motor to ensure production process safetyGMP standard of quality.



实验室反应釜
Laboratory Reaction Kettle



电加热搅拌罐
Electrical Heating Mixing Tank



不锈钢反应釜
Reaction Kettle



树脂反应釜
Resin Reaction Kettle

适用范围 Use:

本设备用于医药（原料车间、合成车间）、生物工程、精细化工、化学合成、食品等行业中的水解、中和结晶、蒸馏、蒸发、加热混配、恒温反应等工艺过程的容器。

设备特点 Device characteristics:

本釜由釜体、釜盖、夹套、搅拌器、传动装置、轴封装置、支承等组成,配备CIP清洗旋转喷淋球头,测温孔、测压孔、防爆视镜、视镜、快开式投料口等,确保操作方便、使用可靠。对生产环境无污染、噪音小等特点,本设备均采用SUS304/SUS316L不锈钢制作,内外表面卫生级镜面抛光或拉丝处理,传动部位采用机械密封,防爆电机确保生产过程安全符合GMP质量标准。

This equipment is used in medicine (material workshop, synthetic workshop), biological engineering, fine chemical, chemical synthesis, food industry etc of hydrolysis, and crystallization, distillation, evaporation, heating mixed, constant temperature reaction process container.

The kettle, kettle by kettle body cover, the clip set, mixer, transmission shaft sealing device, device, supporting etc, Device equipped with CIP cleaning rotating spray cleaning ball head, the WenKong, pressure taps, explosion-proof depending on the light, as a mirror, quick release open mouth and so on, ensure convenient operation, use reliable. The pollution, the noise of the production environment characteristics, such as small this equipment all use SUS304 / SUS316L stainless steel production, both internal and external surface sanitation mirror polishing or drawing processing, in accordance with The transmission parts use of mechanical seal, explosion-proof electric motor to ensure production process safety GMP standard of quality.

技术参数 Technical parameters:

参数 Parameters	型号 Mode	HFY-0.1	HFY-0.3	HFY-0.5	HFY-1.0	HFY-1.5	HFY-2.0	HFY-5.0	HFY-10
提取罐容积(V³) Volume		0.1	0.3	0.5	1.0	1.5	2.0	5.0	10
夹层压力(Mpa) Jacket pressure		0.2-0.3Mpa							
罐内压力(Mpa) Work pressure		常压							
加热面积(M²) Heating area		1.2	1.8	3	4.5	5.4	10	14	22
设备直径(mm) Inside diameter		500	600	800	1000	1200	1300	1800	2300
夹层直径(mm) Jacket diameter		600	700	900	1100	1300	1400	1900	2400
筒体高度(mm) Cylinder high		500	900	900	1200	1200	1300	2000	2440
电机功率(KW) Motor power		0.55	0.75	1.1	1.5	2.2	3	4	5.5
设备重量(Kg) Weight		385	512	1250	1480	1750	1880	3800	6300



产品用途 Use:

本设备主要用于大输液、小针剂及其它溶解、灭菌与调配作用。

设备特点 Device characteristics:

本设备主要配置有浓配罐、稀配罐、溶解罐、输送泵、钛棒过滤器、高位槽、终端过滤器等组成,配备CIP清洗旋转喷淋球头,测温孔、测压孔、防爆视镜、视镜、快开式投料口等,确保操作方便、使用可靠,本设备均采用SUS304/SUS316L不锈钢制作,符合GMP质量标准。

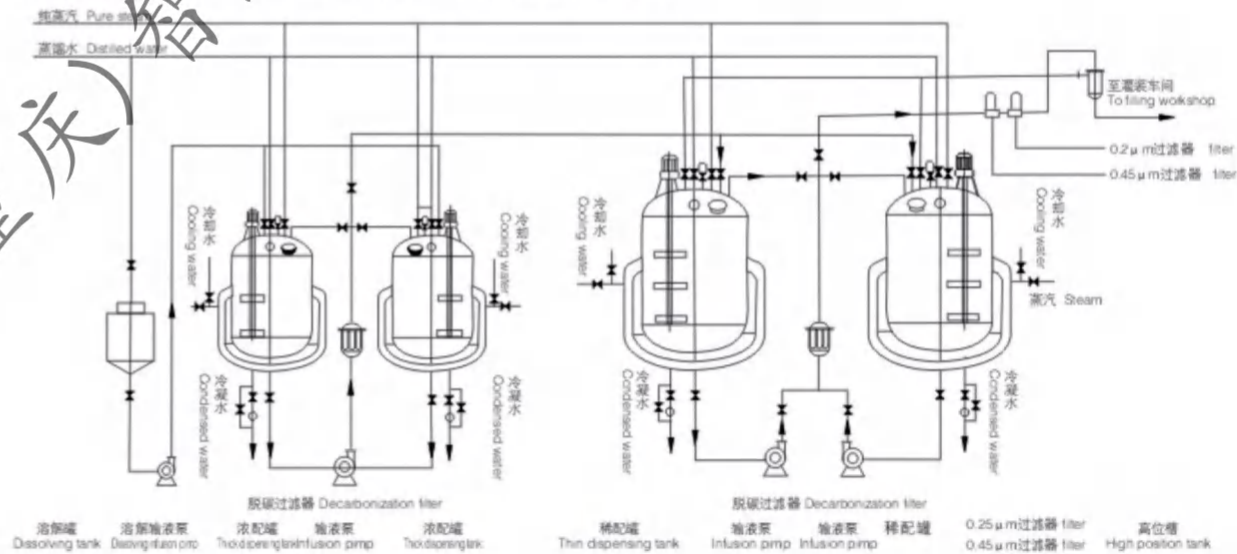


This equipment is mainly used for large infusion, injection and other dissolved, sterilization and blending.

This equipment is mainly configuration with match cans, thin with cans, dissolve cans, pump, titanium rod filter, high trough, terminal filter the composition such as; Equipped with CIP cleaning rotating spray cleaning ball head, the WenKong, pressure taps, explosion-proof depending on the light, as a mirror, quick release open mouth and so on, ensure convenient operation, reliable operation, this equipment all use SUS304 / SUS316L stainless steel, in accordance with GMP standard of quality.

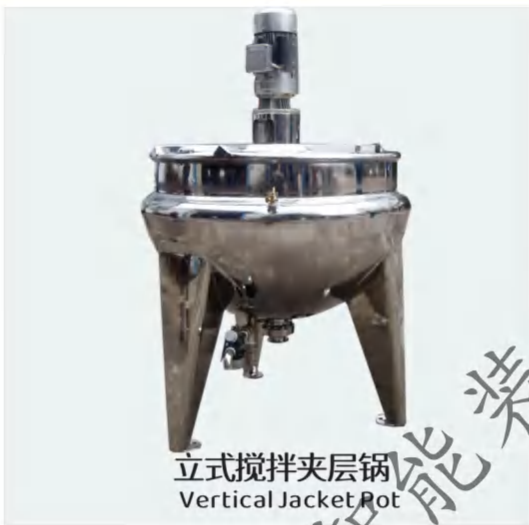
输液配制工艺流程图

FLOW DIAGRAM OF INFUSION FORMULATE TECHNOLOGY





可倾式搅拌夹层锅
Tilting Jacket Pot



立式搅拌夹层锅
Vertical Jacket Pot



横轴搅拌夹层锅
Horizontal Axis Jacket Pot



行星式搅拌夹层锅
Planetary stirring sandwich pot

产品用途 Use:

本设备广泛应用于糖果、制药、乳品、酒类、糕点、蜜饯、饮料、罐头、卤味、炒料等食品的加工，也可用于大型餐厅或食堂熬汤、烧菜、炖肉、熬粥等，是食品加工提高质量、缩短时间、改善劳动条件的良好设备。

This equipment is widely used in candy, pharmaceutical, dairy products, wine, pastry, candied fruit, beverage, canned foods, such as LuWei Food processing, also can be used for large restaurant or dining room to boil soup, cook, stew, congee and so on, it is the food processing improve quality, shorten the time, improve working conditions of the good set.

技术参数 Technical parameters:

参数 Parametes	型号 Mode	JC50	JC100	JC200	JC300	JC400	JC500	JC600	JC800	JC1000
容积 (V3) Volume		50	100	200	300	400	500	600	800	1000
锅内压力(Mpa) Work pressure		0.09Mpa								
夹层压力(Mpa) Jacket pressure		0.3 Mpa								
加热面积(M ²) Heating area		0.4	0.6	1.0	1.44	1.65	1.9	2.3	2.9	3.8
蒸汽耗量(Kg/H) Stream cost		25	33	44	72	110	136	165	190	225
锅体口径×深(cm) DN*H		60*45	70*52	80*55	90*63	100*68	110*75	120*78	130*85	150*96
搅拌速度(r/min) Mixing speed		18-200Rpm 可选 choose								
总功率(Kw) Total power		0.37	0.37	0.55	0.75	0.75	1.1	1.1	1.5	1.5
结构形式 Structure		固定/可倾/搅拌 Fixed/tilt/mixing								
备注 Note		容积，夹层工作压力，电机功率，搅拌桨结构等可以根据客户特定要求定做。 Volume, pressure, power, mixing structure according to customers' special requirements.								

产品用途 Use:

- 1、可以调节出酒率。
- 2、可以控制发酵温度。
- 3、可以提高出酒率和降低杂菌感染率。
- 4、发酵罐具有很好的密封性能，能够防止酒液在酿造过程中受到外界污染，同时避免酒精和酸气外泄，保障酿酒场所的安全。
- 5、发酵罐的结构设计合理，方便进行清洁和消毒，可以保证酿酒过程中的卫生和品质。
- 6、发酵罐的规格和型号多种多样，能够满足不同规模酿酒厂的需求，并且可以根据需要进行定制。

The function of a brewing fermentation tank:

1. Can adjust the alcohol yield.
2. The fermentation temperature can be controlled.
3. It can increase the alcohol production rate and reduce the infection rate of miscellaneous bacteria.
4. The fermentation tank has good sealing performance, which can prevent the liquor from being contaminated by external factors during the brewing process, while avoiding the leakage of alcohol and acid gas, ensuring the safety of the brewing site.
5. The structure design of the fermentation tank is reasonable, convenient for cleaning and disinfection, and can ensure hygiene and quality during the brewing process.
6. There are various specifications and models of fermentation tanks, which can meet the needs of breweries of different scales and can be customized according to their needs.



设备特征 Device characteristics:

使用的是中央吸气口的搅拌器。搅拌器由罐底电机带动向上伸入的主轴，叶轮旋转时叶片不断排开周围的液体，液体使其背部形成真空，于是将罐外空气经吸气管吸入罐内，吸入的空气与发酵液充分混合后在叶轮末端排出，并立即通过导轮向罐壁分散涌向液面，均匀分布。气液接触十分良好，气泡分散极细，完美的供氧(OTR高达3.5kg per m /hr)，从而促进了菌体数目的快速增长，从而提高了氧在发酵液中的溶解速率。

The agitator used is a central suction port. The agitator is driven by a motor at the bottom of the tank, which extends upwards as the main shaft. When the impeller rotates, the blades continuously discharge the surrounding liquid, creating a vacuum on the back of the liquid. Therefore, the air outside the tank is sucked into the tank through the suction pipe, and the inhaled air is fully mixed with the fermentation liquid before being discharged at the end of the impeller. It immediately disperses towards the tank wall and rushes towards the liquid surface through the guide wheel, evenly distributed. Very good gas-liquid contact, extremely fine bubble dispersion, perfect oxygen supply (OTR up to 3.5kg per m) / HR promotes the rapid growth of bacterial count, thereby increasing the dissolution rate of oxygen in the fermentation broth.





酶解反应罐

Enzymolysis Reaction Tank

产品用途 Use:

本设备广泛应用于食品、饮料、生物工程、制药等行业的物质用酶做催化剂，以分解各种有机高分子，使其变为有机小分子，便于机体同化。罐体设有夹层，可通入蒸汽或冷却水分别进行间接加热或冷却，使物质在酶的作用下，借助搅拌器的运转在最适宜的温度值与pH值条件下进行充分酶解反应。

容积：50L、100L、200L、300L、500L、600L、1000L~5000L，搅拌转速：15~120r/min定速。

This equipment is widely used in food, beverage, biotechnology, pharmaceutical and other industries of material using enzymes as catalyst, to break down all kinds of organic polymer, make it into a small organic molecules, facilitate the organism assimilation. Tanks with interlining, can pass into the steam or cooling water respectively for indirect heating or cooling, make the material under the action of enzyme, using blender running at optimum temperature and pH conditions fully enzymolysis reaction.

Volume: 50L, 100L, 200L, 300L, 500L, 600L, 1000L - 1000L, stirring speed, 15 - 120 R/min speed.

产品用途 Use:

啤酒糖化系统是将麦芽中的淀粉转化为可发酵的糖，这一转化过程是啤酒酿造中的关键环节，为后续的发酵过程提供必要的原料。糖化系统通常包括糖化锅、过滤槽、煮沸锅、沉淀槽等主要部分，以及一些辅助设备和控制系统，如温度控制装置、搅拌装置、液位控制装置等。

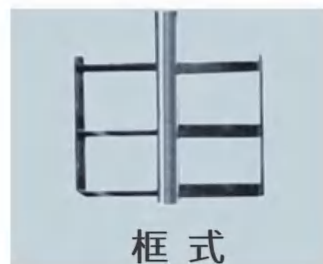
Beer saccharification system is to convert the starch in malt into fermentable sugar. This transformation process is a key link in beer brewing, which provides the necessary raw materials for the subsequent fermentation process. The saccharification system usually includes the main parts such as saccharification pot, gelatinization pot, filter tank, boiling pot and sedimentation tank, as well as some auxiliary equipment and control systems, such as temperature control device, stirring device, liquid level control device, etc.



啤酒糖化系统
Beer Saccharification System



桨叶式



框式



推进式



圆盘式



板框过滤器
Plate Filter

板框过滤器概述 Introduction:

板框过滤器是一种过滤设备，用于各种悬浮液的固液分离，适用范围广，适用于医药、食品、化工、环保、水处理等工业领域。

板框过滤器适用于浓度50%以下粘度较低，含渣量较少的液体作密闭过滤以达到提纯、灭菌、澄清等目的。

规格：BK-100型，BK-150型，BK-200型，BK-300型，BK-400型

Plate and frame filter is a kind of filtering equipment, applied to various suspension of solid-liquid separation, wide applicable scope, applicable to the pharmaceutical, food, chemical industry, environmental protection, water treatment and other industrial fields.

Plate and frame filter is suitable for low concentration below 50% viscosity, less fluid slag content for airtight filtering to achieve purification, sterilization, clarify the purpose of the filter, etc.

Specification: BK - 100, BK - 150, BK - 200, BK - 300, BK - 400



硅藻土过滤机
Diatomite Filter

硅藻土过滤机概述 Introduction:

硅藻土过滤机适用于白酒、果酒、葡萄酒、保健酒、饮料、糖浆、酱油、醋、以及医药、生物、化工等液态制品的澄清过滤。过滤周期长、效率高、浊度稳定、密封性好、结构紧凑、操作方便、可移动、易于维护保养。

该过滤机引进国外先进技术，选用1Cr18Ni9Ti优质不锈钢制作，采用硅藻土助滤剂，它具有外形美观，操作简便，过滤成本低，效率高等特点，过滤澄清度可达99.8%，操作得法甚至可滤除大肠杆菌。

规格：KW-220型，KW-250型，KW-300型，KW-400型，KW-500型

Diatomite Filter is suitable for white wine, fruit wine, wine, health wine, beverage, syrup, soy sauce, vinegar, and medicine, biological, chemical and other clear filtration of liquid products.

Filtration cycle length, high efficiency, stable turbidity, good sealing, compact structure, convenient operation, portable, easy to maintenance.

Specification: KW - 220, KW - 250, KW - 300, KW - 400, KW - 500



钛棒过滤器
Titanium Rod Ex Filters



双联过滤器
Duplex Filters



微孔膜过滤器
Microporous Filters



BAW卫生级离心泵
Baw Sanitary Centrifugal Pump



SPC卫生级离心泵
Spc Sanitary Centrifugal Pump

卫生级离心泵概述 Introduction:

品牌: 华峰机械;
流量: 1-50T/H;
扬程: 8-40米;
进出口(DIN\SMS): 25-80/25-65mm;
转速: 1400-2840转;
电机功率: 0.37-7.5KW;
材质: 不锈钢304,316L;
电机品牌: ABB, 西门子;
产品包装: 木箱;
运输方式: 物流或快递;

Brand: huafeng;
Flow: 1-50T;
Head: 8-40 m;
Import and Export: 25-80/25-65;
Speed: 1400-2840 rpm;
Motor power: 0.37-7.5KW;
Material: Stainless Steel 304, 316 L;
Motor brand: ABB, Siemens;
Product packaging: wooden box;
Mode of transport: logistics or courier;

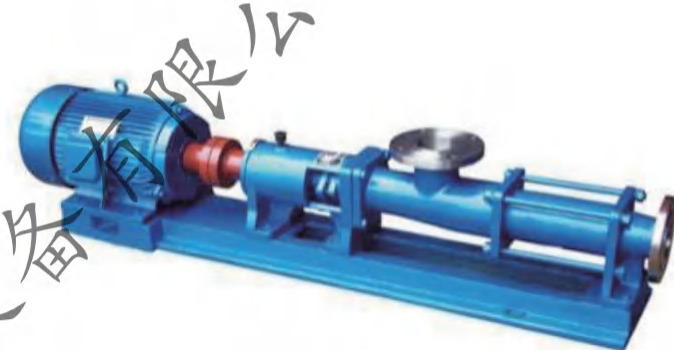
凸轮转子泵概述 Introduction:

该系列泵是为解决输送内含大颗粒物料而专门设计制造的, 其独特的形状和曲线形式使其能够在输送内含大颗粒物料时具有其他泵中不可比拟的优越性, 在输送物料过程中它能够有效地避免颗粒破损, 是输送含颗粒物料泵的首选; 同时也可以输送高浓度, 高粘度的物料。

This series of pump is specially designed to solve the transmission materials containing large particles, its unique shape and curve form to transport with large particles in the material has incomparable advantages in other pumps, it can effectively avoid in the process of conveying material particle breakage, is the first selection of transmission materials contain grain and pump; At the same time also can transport can high concentration, high viscosity material.



自吸泵/CIP回程泵
Self-priming Pump



螺杆泵
Screw Pump



凸轮转子泵
Cam Rotor Pump



压力人孔
Pressure Manhole



常压人孔
Atmospheric Manhole



椭圆型外开人孔
Elliptical Manhole



椭圆型内开人孔
Elliptical Manhole



焊接蝶阀
Butterfly Valve



快装蝶阀
Butterfly Valve



焊接蝶阀
Butterfly Valve



三片式蝶阀
Butterfly Valve



气动球阀
Pneumatic Valve



气动蝶阀
Pneumatic Valve



卫生级隔膜阀
Diaphragm Valve



啤酒取样阀
Sampling Valve



清洗球
Cleaning Ball



呼吸器
Respirator



取样阀
Sampling Valve



一体射灯视镜
Endoscopic



皮管接头
Pipe Joint



大小头
Pipe Joint



接头, 卡箍
Respirator



管子夹
Pipe Clamp



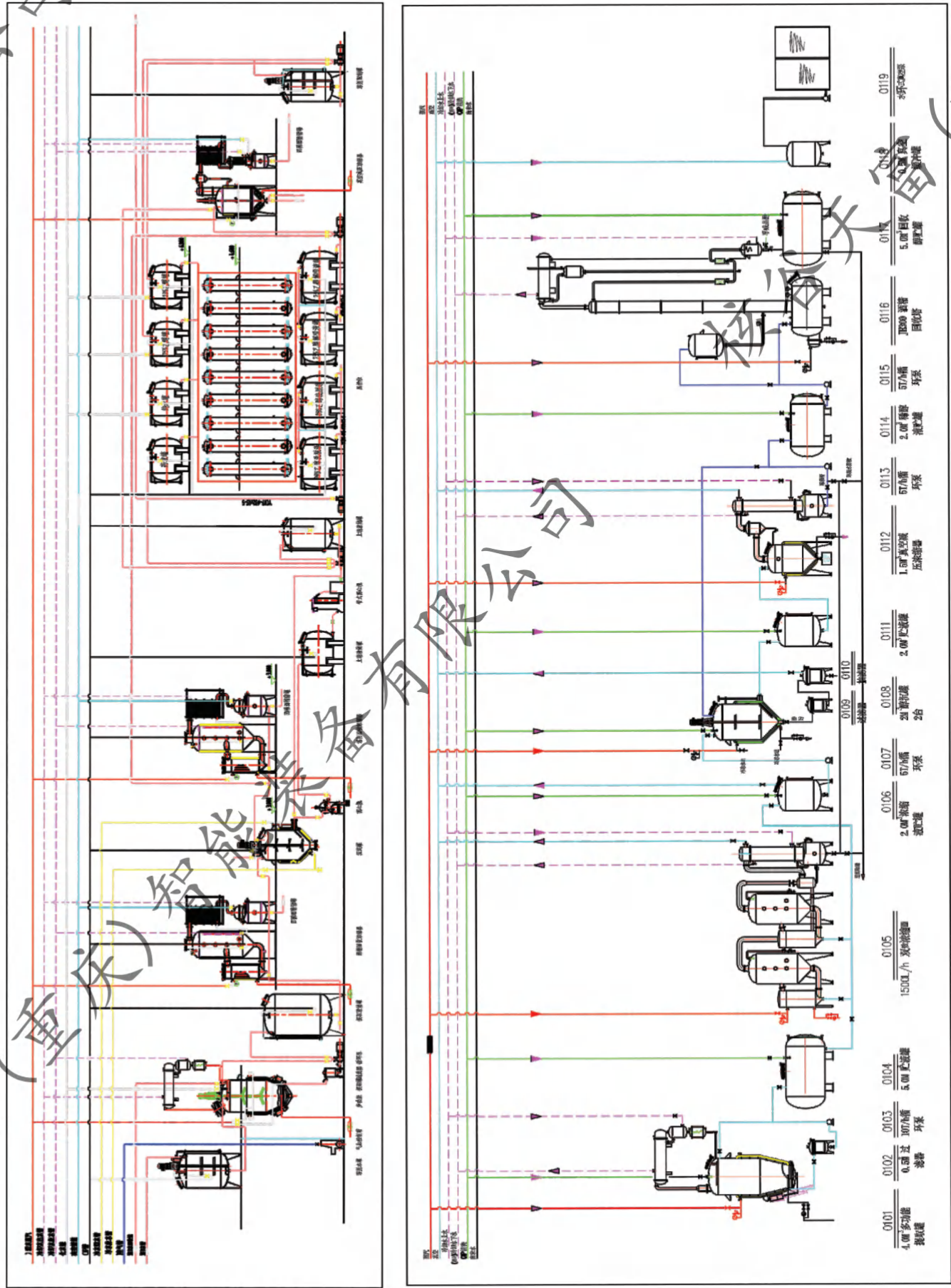
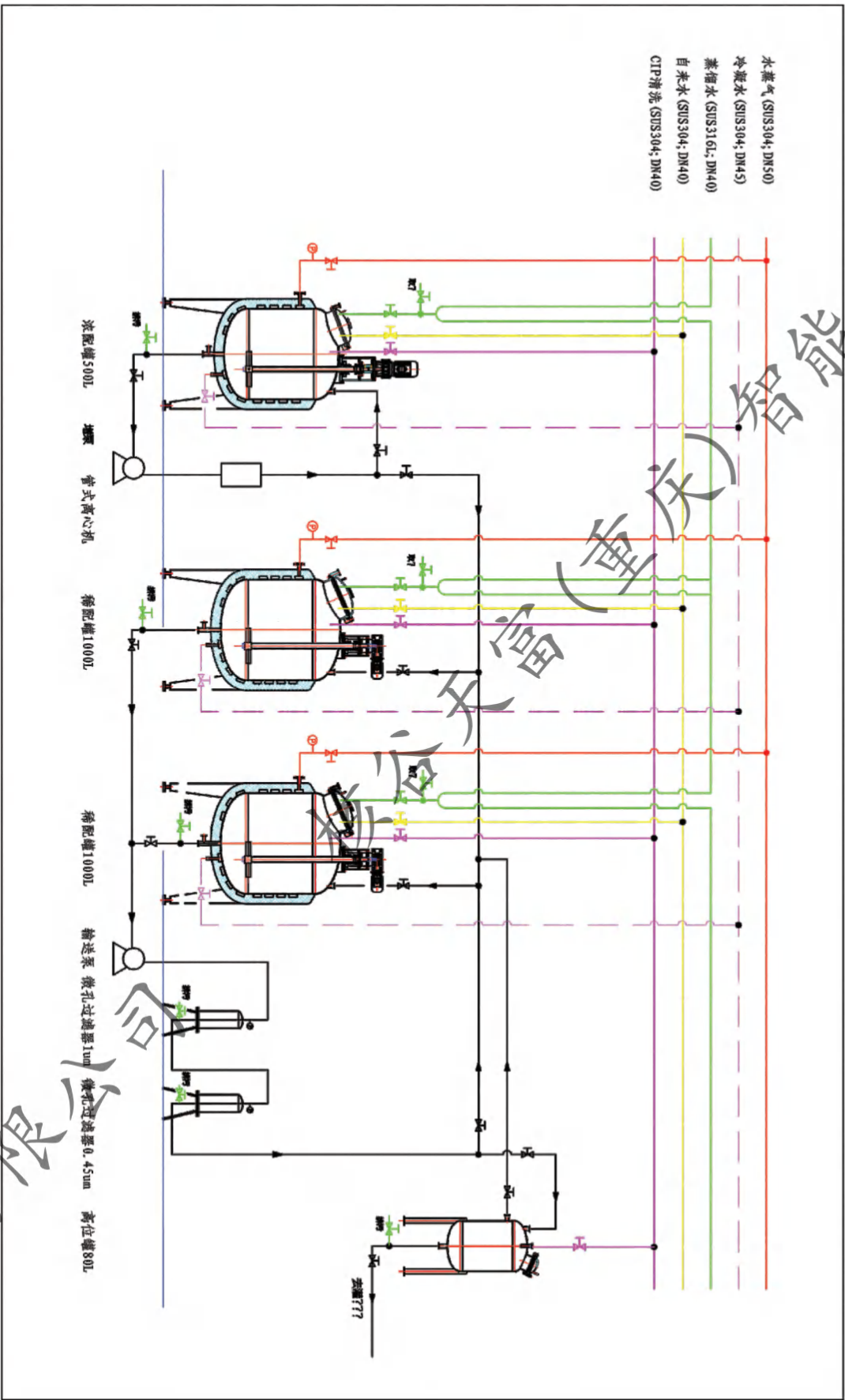
弯头
Elbow

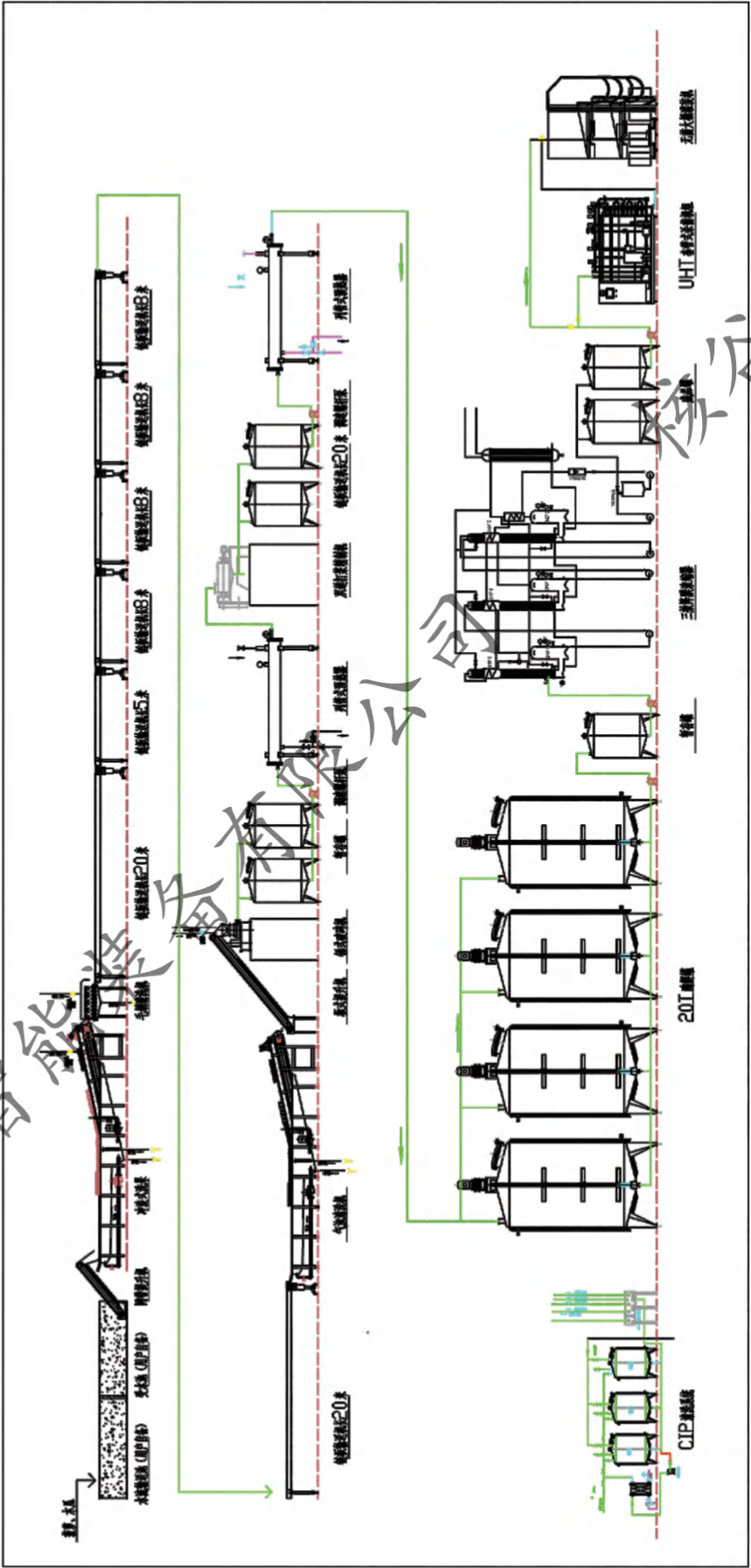
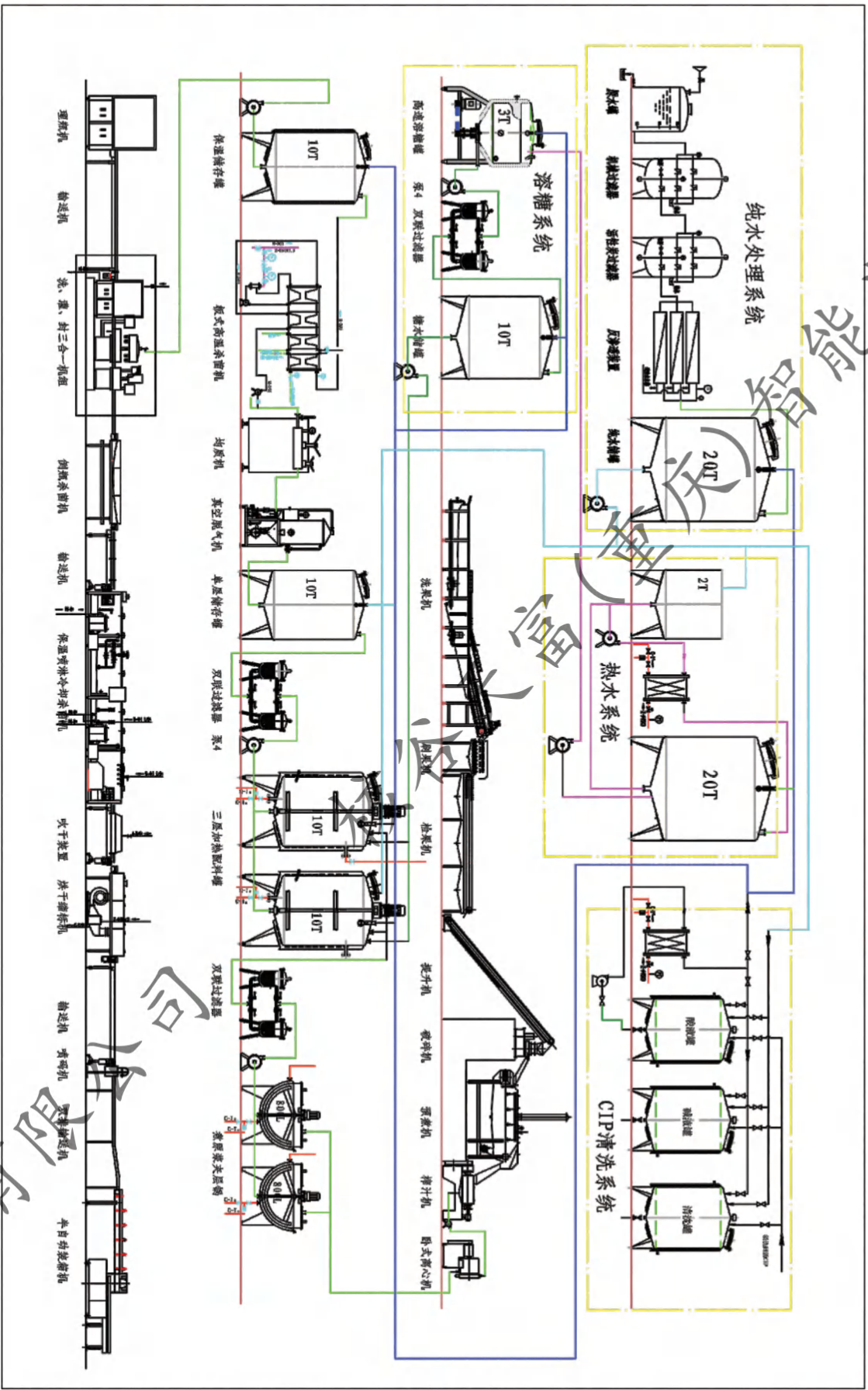


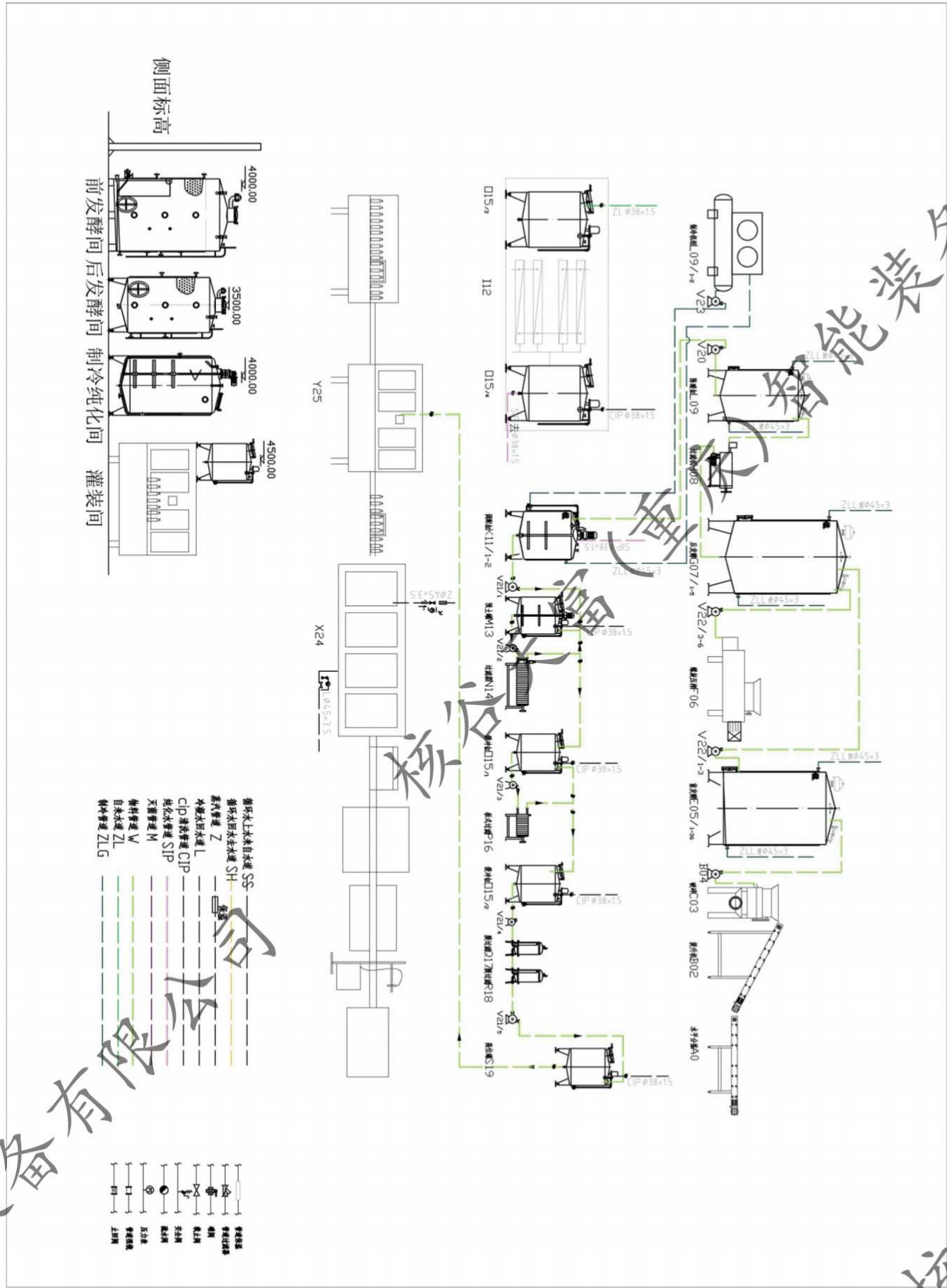
焊接三通
Tee Joint



焊接四通
Four Joint







承接工程项目

Undertake engineering projects

中药提取、浓缩、酒精回收成套设备
大输液、针剂、配液全套设备
疫苗、基因、兽药、生物工程设备
全自动发酵罐，CIP在线清洗
各类配液罐、贮罐、反应釜、浓稀配罐
机械搅拌，磁力搅拌，乳化分程控件
乳品、果汁、饮料全套生产线
卫生级管道、配件、泵
工程设计、安装、调试

质量是我们的承诺，
态度是我们的力量，
工匠精神是我们的追求！

Quality is our promise,
attitude is our strength,
and craftsmanship is our pursuit!

