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安徽国梁机械设备有限公司

ANHUI GUOLIANG MACHINERY EQUIPMENT CO., LTD

安徽国梁机械设备有限公司

ANHUI GUOLIANG MACHINERY EQUIPMENT CO., LTD.

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符合FDA标准/满足GMP要求
Accord FDA Standard/meet GMP Requirement

>>>



ABOUT GUOLIANG

关于国梁



安徽国梁机械设备有限公司是集制药、乳食品饮料、化工设备等卫生级流体设备从设计、加工，安装调试服务于一体的企业。经过多年潜心研发积累，已发展成为国内的领跑者。目前的冷作技术、抛光技术、工程设计安装技术已成功为客户提供各种规格的先进产品设备。

我公司长期为客户提供了各种规格的配液罐、配制罐、调配罐、酶解罐、配料罐、乳化罐，《提取浓缩设备》、《蒸发器》、《萃取设备》、《CIP清洗系统》、《卫生级换热器设备》、《食品生产设备》、《生物制药类机械设备》、《生物发酵类机械设备》、《配液配料罐体设备》、《反应釜设备》、《糖化、酵母扩培设备》、《过滤设备》、《气体、液体分离设备》、《纯水设备》、《酒类：白酒、果酒、茶叶酒蒸馏设备、葡萄酒、红酒、黄酒、米酒、茶叶酒发酵设备》及各种规格罐类设备等，以及成套工程设备的设计、制造与安装，针对食品、乳品、化工、制药成套设备生产线配置、新旧生产线进行技术改造与指导。

我公司经过多年发展，已成为先进的国内设计与制造卫生级高精度流体设备厂家之一。公司以顾客的需要为第一，以顾客的满意为宗旨，建立了适应产品设计、开发、制造等工作的生产试验中心及满足客户加工制造需要的数控加工中心，具有设备先进的机、电、水、气功能设备齐全的产品实验、测试环境。已具有提供工艺设计、机械制造、安装调试、售后服务、技术培训等一条龙的工程服务能力。

公司自成立以来汇集了一大批长期从事饮料设备技术研究、工程应用、实践经验丰富的高科技人才。通过引进国内外先进技术，在传统饮料的基础上，凭借先进的设备制造技术和丰富的产品加工经验，在吸收先进技术的基础上，不断改进、完善设计和加工工艺。可根据客户的发展战略及实际需要量身定做，为客户提供合理、节能、环保，优良的工程设备及快速、满意的售后服务和产品配件的供应。

公司成立以来，赢得了国内外广大客户的信赖和有关部门的大力支持，通过了ISO9001-2015质量体系认证，ISO 14001-2015环境管理认证，ISO 45001-2018职业健康安全管理体系认证，同时被评为“信得过的企业”，“重合同守信用企业”，“重服务守信用企业”，“重质量守信用企业”“诚信经营示范单位”，“诚信供应商等级证书”，“中国诚信企业家证书”，“AAA级信用企业”，“中国饮料食品机械十佳名优品牌”，等荣誉称号。

国梁始终坚持以质量求生存，靠技术创新谋发展的经营理念，在与质量相关的控制点进行全程监控，每道工序、每个环节都严格把关，确保产品品质。未来我公司希望在互惠互利、共同发展的基础上，与各界朋友友好合作，共同创造美好的未来！

Anhui Guoliang Machinery Equipment Co., Ltd. is an enterprise that integrates the design, processing, installation, and commissioning services of hygiene grade fluid equipment for pharmaceuticals, dairy products and beverages, chemical equipment, and other industries. After years of dedicated research and development accumulation, it has developed into a domestic leader. The current cold working technology, polishing technology, and engineering design and installation technology have successfully provided customers with advanced product equipment of various specifications.

Our company has long provided customers with various specifications of mixing tanks, blending tanks, blending tanks, enzymatic hydrolysis tanks, ingredient tanks, emulsification tanks, as well as "extraction and concentration equipment", "evaporator", "extraction equipment" CIP Cleaning System, Hygienic Heat Exchanger Equipment, Food Production Equipment, Biopharmaceutical Machinery Equipment, Biological Fermentation Machinery Equipment, Liquid Preparation and Dosing Tank Equipment, Reactor Equipment, Saccharification and Yeast Expansion Equipment, Filtration Equipment, Gas and Liquid Separation Equipment, Pure Water Equipment, Liquor: Baijiu, Fruit Wine, Tea Wine Distillation Equipment, Wine, Red Wine, Yellow Wine, Rice Wine, Tea Wine Fermentation Equipment, and various specifications of tank equipment, as well as the design, manufacturing and installation of complete engineering equipment. For the production line configuration of complete food, dairy, chemical, and pharmaceutical equipment, Technical transformation and guidance of new and old production lines.

After years of development, our company has become one of the advanced domestic manufacturers of sanitary grade high-precision fluid equipment. The company puts customer needs first and customer satisfaction as its purpose. It has established a production testing center that adapts to product design, development, manufacturing, and other work, as well as a CNC machining center that meets customer processing and manufacturing needs. It has a product testing and testing environment with advanced mechanical, electrical, hydraulic, and pneumatic equipment. We have the ability to provide one-stop engineering services including process design, mechanical manufacturing, installation and commissioning, after-sales service, and technical training.

Since its establishment, the company has gathered a large number of high-tech talents who have long been engaged in the research, engineering application, and practical experience of beverage equipment technology. By introducing advanced technologies from both domestic and international sources, based on traditional beverages, and leveraging advanced equipment manufacturing technology and rich product processing experience, we continuously improve and perfect our design and processing techniques while absorbing advanced technologies. Tailored according to the customer's development strategy and actual needs, we provide customers with reasonable, energy-saving, environmentally friendly, excellent engineering equipment, as well as fast and satisfactory after-sales service and supply of product accessories.

Since its establishment, the company has won the trust of customers both domestically and internationally, as well as strong support from relevant government departments. It has passed ISO9001-2015 quality system certification, ISO 14001-2015 environmental management certification, ISO 45001-2018 occupational health and safety management certification, and has also been awarded honors such as "Trustworthy Enterprise", "Contract abiding and Creditworthy Enterprise", "Service abiding and Creditworthy Enterprise", "Quality abiding and Creditworthy Enterprise", "Integrity Management Demonstration Unit", "Integrity Supplier Level Certificate", "China Chengxin Entrepreneur Certificate", "AAA Credit Enterprise", and "Top 10 Famous Brands of Chinese Beverage and Food Machinery".

Guoliang always adheres to the business philosophy of survival through quality and development through technological innovation. We monitor the entire process of quality related control points and strictly control every process and link to ensure product quality. In the future, our company hopes to cooperate with friends from all walks of life on the basis of mutual benefit and common development, and create a better future together!



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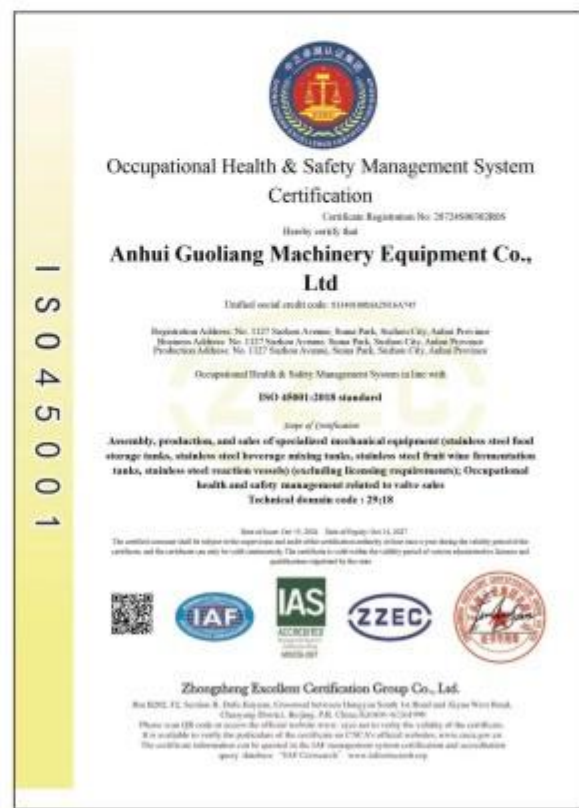
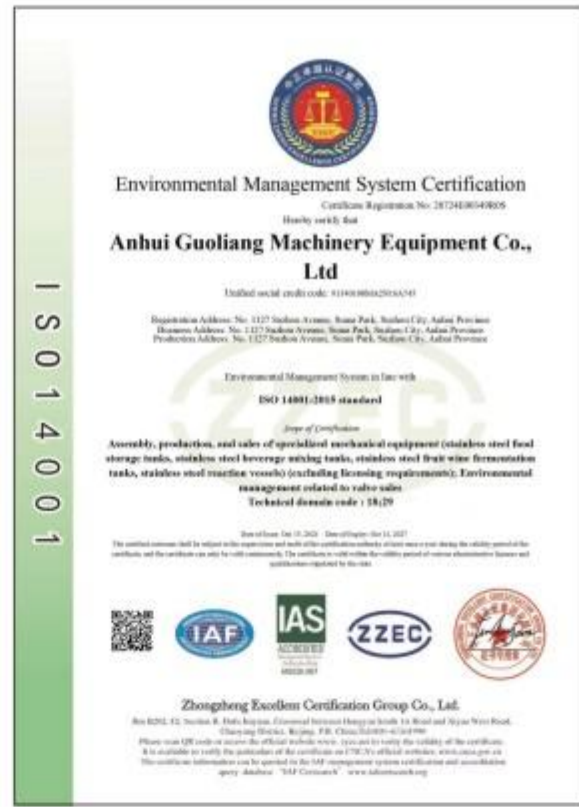
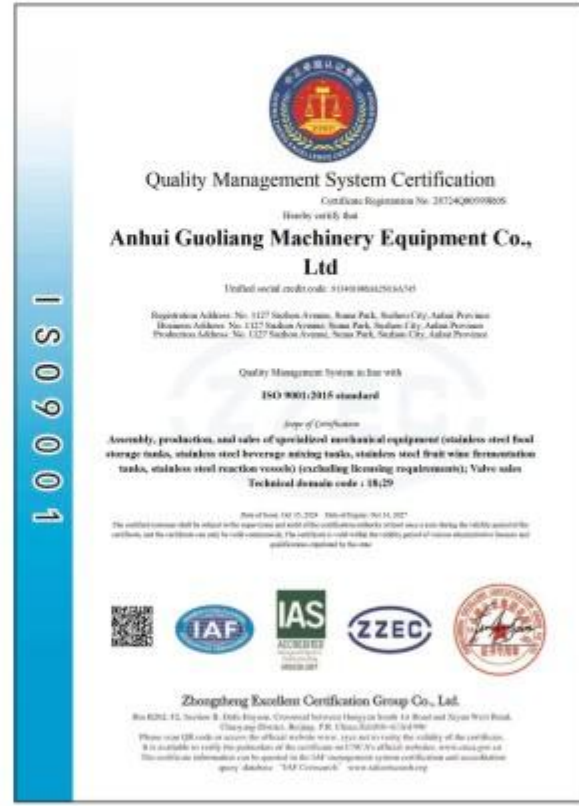


ENTERPRISE HONOR 企业荣誉



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关注性价比 · 关注国梁



工程案例：配料车间

ENGINEERING CASES:
BATCHING WORKSHOP



为您提供从工艺设计到设备制造以及安装调试一体化服务!

Offer you from technical design to equipment manufacturing and installation and debugging integration service!

工程案例：提取车间

ENGINEERING CASES:
ENGINEERING CASES



工程案例：浓缩车间

ENGINEERING CASES:
CONCENTRATION WORKSHOP



我们通过完善的设计、制造和售后服务，确保产品在有效使用期内充分发挥各项设计性能指标。

Through our perfect design,manufacturing and after-sale service, ensure that the productin the effective use period give full play to the design performance indicators.

工程案例

ENGINEERING
CASES



工程案例：精酿啤酒设备

ENGINEERING CASES:
CRAFT BEER FACILITY



细心、精心、用心，提升品质、增创效益创新突破稳定品质，
落实管理提高效率时时寻求进步，事事讲究方法技术与保养。

Be careful, meticulous, and attentive to improve quality, create
more benefits, innovate and break through stable quality,Implement
management to improve efficiency and seek progress from time to
time, and pay attention to methods, techniques and maintenance.

工程案例：洗衣液搅拌配料车间

ENGINEERING CASES:
WASHING LIQUID MIXING AND BATCHING WORKSHOP



工程案例：饮料车间

ENGINEERING CASES:
BEVERAGE WORKSHOP



以精立业，满足用户需要；
以质取胜，制做可靠产品；
以诚相待，提供优质服务。

To fine industry, to meet the
needs of users;
to win by quality, make reliable
products;
to treat each other with sincerity,
to provide quality services.



工程案例：大型储存罐

ENGINEERING CASES:
LARGE STORAGE TANK



工程案例：白酒蒸馏/伏特加蒸馏机/夏朗德蒸馏机

ENGINEERING CASES:
LIQUOR DISTILLER/VODKA DISTILLER/CHARANDE DISTILLER



全员参与、强化管理、精益求精、铸造品质、团队精神
是本公司文化核心。

All staff participation, strengthen management, excellence,
casting quality, Team Spirit is the company's cultural core.

工程案例：果酒发酵

ENGINEERING CASES:
WINE FERMENTATION



工程案例：2×1000L果酒蒸馏机组

ENGINEERING CASES:
2×1000L FRUIT WINE DISTILLER



专业生产酿酒设备、茶酒设备、果酒蒸馏设备、不锈钢储酒罐、果酒发酵罐、搅拌罐、调和罐、双层保温罐、油罐、反应釜、中药提取设备、酒精浓缩提取设备、精油提取设备（玻璃水洗衣液洗洁精等调和搅拌罐）、啤酒设备、医药设备、化工设备等。

Specializing in the production of brewing equipment, tea wine equipment, fruit wine distillation equipment, stainless steel storage tanks, fruit wine fermentation tanks, mixing tanks, mixing tanks, double insulation tanks, oil tanks, reaction Kettle, Chinese medicine extraction equipment, alcohol concentration extraction equipment, essential oil extraction equipment (glass washing liquid detergent and other mixing and stirring tank) , beer equipment, medical equipment, chemical equipment.

TQ 系列多功能提取罐

TQ SERIES MULTI-FUNCTIONAL
EXTRACTING TANK



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。

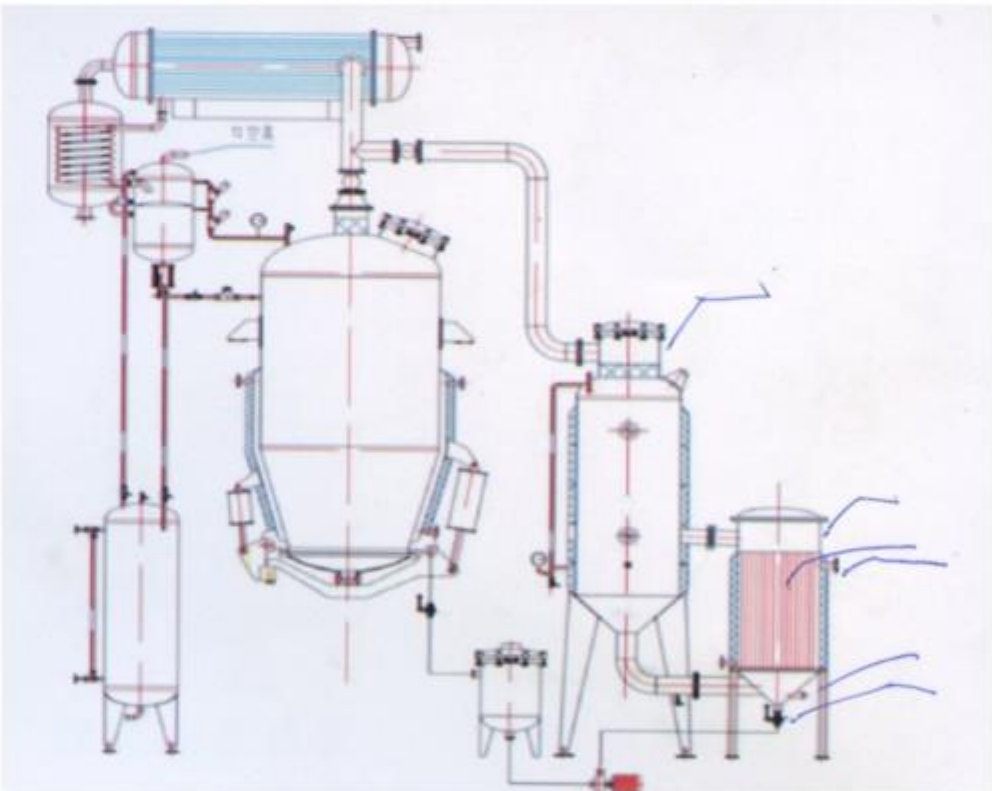
A、 Strictly according to pressure vessel code, precision polishing, make internal and external comply with GMP. B. Equipment is mainly by the cans, away PaoQi, condenser, cooler, the oil-water separator, filters etc. C、 The main form of the equipment has straight tube type, is cone type, grinding, she reversed cone of such as type, can according to need equipment mixing device. D、 Dregs door have Duo Zhong 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:

规格型号 Model and specification	TQ-0.5	TQ-1	TQ-2	TQ-3	TQ-4	TQ-6	TQ-8	TQ-10
容积 (L)	600	1200	2300	3200	4300	6300	8500	11000
罐内设计压力 (Mpa)	0.09							
夹层设计压力 (Mpa)	0.3							
加料口直径 (mm)	400	400	400	400	500	500	500	500
加热面积 (m ²)	2.4	3	4.7	6.8	8	10	12	12
冷凝面积 (m ²)	3	4	5.4	8	10	10	15	18
冷却面积 (m ²)	1	1	1	1	1	2.2	2.2	3
过滤面积 (m ²)	0.25	0.25	0.25	0.25	0.25	0.30	0.30	0.30
排渣门直径 (mm)	600	800	1000	1200	1200	1400	1500	1600
耗气 (kg/h)	285	285	346	570	660	718	903	1140
耗水 (T/h)	2.1	2.1	2.5	4.2	4.5	5.5	6.7	6.7
加热汽管口 (mm)	32	32	32	40	40	50	50	50
排气管口 (mm)	100	100	100	125	125	150	150	150
冷却水管口 (mm)	40	40	40	50	50	50	65	70
电动机功率 (KW)	2.2	2.2	3	4	5.5	5.5	7.5	7.5
搅拌转速 (r/min)	36	36	36	36	36	36	36	36

RH 热回流（低温）提取浓缩机组

RH HOT REFLUX EXTRACTION ENRICHMENT
UNITS (LOW TEMP ERATURE)



技术参数 Technical parameters:

型号Mode	RH-500	RH-1000	RH-2000	RH-3000	RH-6000
提取罐容积 (L)	500	1000	2000	3000	6000
蒸发量 (Kg/H)	250	500	800	1000	2000
水提温度 (℃)	90~100				
醇提温度 (℃)	78~83				
提取时间 (H)	5~6小时/批				
真空度 (Mpa)	-0.045~-0.08				
设计压力 (Mpa)	0.09~0.3				

设备特点 Device characteristics:

- 1、本设备主要由提取罐、外循环单效浓缩器及其他附属设备组成，结构紧凑，操作方便，集提取、浓缩、溶剂回收于一体。
- 2、设备功能齐全，适用于醇提，能进行常压提取浓缩、热回流循环提取工艺操作。
- 3、油水分离器由两个玻璃筒组成，使油水分离时间更长，分离效果更好。采用玻璃材质，便于观察。
- 4、提取的同时，采用高位自流方式进行浓缩，蒸发的蒸馏水回到提取罐继续提取，整个回流提取浓缩过程约4-6个小时。减少蒸汽、溶剂损耗，缩短操作时间。
- 5、回收到的高浓度溶剂，直接到酒精配制罐，给醇沉罐或提取罐当溶剂使用；稀浓度溶剂则到稀酒精贮罐。溶剂排放由控制箱控制，使其达到自动放液，减少劳动量，提高溶剂利用率。
- 6、全套设备均采用进口SUS304不锈钢制造，全密封管道化生产，既减少了环境污染，又消除重金属及细菌的渗入，完全符合GMP要求。

- 1、This equipment is mainly composed of extraction tank, external loop one effect of concentrator and other ancillary equipment, compact structure, convenient operation, integrating extraction, concentration, solvent recovery.
- 2、Function of equipment is complete, suitable for alcohol extraction, which can extract atmospheric concentration, hot reflux circulation extraction process.
- 3、Oil-water separator is composed of two glass tube, a longer make water-oil separation and separation effect is better. Use glass material, convenient for observation.
- 4、Extracted at the same time, adopts the high gravity method for enrichment, evaporation of distilled water to extract can continue to extract, the reflux extraction enrichment process about 4 to 6 hours. Reduce loss of steam, solvents and shorten the operation time.
- 5、The high concentratons of solvents, to match can directly to alcohol for alcohol sink tank or solvent extraction tank when using: Dilute concentration solvent to dilute alcohol to dilute alcohol storage tank. Solvent emission is controlled by a control box, to the automatic liquid, reduce the labor, improve the utilization rate of the solvent.
- 6、A full set of equipment adopt imported SUS304 stainless steel, fully sealed pipelining production, both to reduce the pollution of the environment, and to eliminate heavy metal and bacteria of infiltration, full compliance with GMP requirements.

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、溶剂回收和芳香油收集。

This equipment is suitable for extracting effective components of Chinese herbal medicine and many plants, concentration, solvent recovery and collection of aroma.

TW 系列小型(低温)提取浓缩机组

TW SERIES SMALL EXTRACTION ENRICHMENT
UNITS (LOW TEMPERATURE)



实验型全自动多功能提取浓缩机组
Small automatic
Extraction enrichment units



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

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-300
提取罐容积(L)Volume	30	50	100	200	50
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	260
总功率(KW)Total power	2.57	2.57	3.37	3.55	4.55

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 单效外循环真空浓缩器

WZ SERIES OF SINGLE PURPOSE EXTERNAL
CYCLING VACUUM CONTRACTOR

设备说明

单效外循环真空浓缩器，由加热器、蒸发器、除沫器、冷凝器、冷却器、受液罐等组成，凡与物料接触部件均采用不锈钢制作，本装置适用于制药、食品、化工、轻工等行业液体物料的蒸发浓缩。本设备浓缩时间短，蒸发速度快，能较好地保持热敏性物料不致破坏。

Equipment descriptions

The single-effect external circulation vacuum concentrator is composed of heater, evaporator, defoamer, condenser, cooler and liquid receiving tank. The parts that contact materials are all made of stainless steel. The equipment is applicable to evaporation and concentration of liquid materials in pharmacy, food, chemical industry and light industry etc. industries. The concentrating time is short and the evaporating speed is high, which can better protect the heat sensitive materials from being damaged.



WZH 单效外循环真空浓缩回收器
WZH single effect external circulation
Vacuum recovery concentrator



WZ 单效外循环真空浓缩器
WZ single effect external circulation
vacuum concentrator



WZS 单效外循环真空浓缩膏器(自动防爆型)
WZ single effect external circulation
vacuum cream reclaim concentrator

系列单效蒸发器有三种型式

- 一、WZ单效外循环真空浓缩器为普通型，用于水溶液的蒸发。
- 二、WZH单效外循环真空浓缩回收器为酒精回收型，用于酒精溶液的蒸发，较大的冷凝冷却面积，确保酒精回收，回收浓度达到70~85°，酒精损耗率<5%，酒精回收后温度<40°C。
- 三、WZS单效外循环真空浓缩膏器，用于单效蒸发及收浓膏。在单效正常蒸发后，关闭加热室与蒸发室连接喷管及循环管的阀门，将料液全部进入蒸发室，通过蒸发室的夹套加热，进行常压式减压浓缩，提高物料的浓缩比重至1.35-1.45。

The series of single-effect evaporators have three foms

- I. WZ single effect external circulation vacuum concentrator is the ordinary type, which is used for evaporation of water solution.
- II. WZH single-effect external circulation vacuum recovery concentrator is the alcohol recovery type, which is used for evaporation of alcohol solution. It has higher cooling area to ensure the alcohol recovery. Its recovery strength reaches 70~85°, the alcohol consumption rate is less than 5% and the alcohol temperature after the recovery is less than 40°C.
- III. WZS single-effect external circulation vacuum ointment collection concentrator is used for single-effect evaporation and thick ointment collection. After the normal single-effect evaporation, the valves connecting the spraying tube and circulating tube in the heating chamber and evaporating chamber will be closed. The liquid materials will fully enter the evaporating chamber and through the jacket heating in the evaporating chamber, normal pressure type or pressure relief type concentration will be carried out. The concentration specific gravity of materials will be increased to 1.35-1.45.

注：根据客户要求推出防爆型全自动型浓缩器，全程温度控制、真空自动调节、液位控制及自动排水等并能时时记录保存数据
Note: The explosion-proof type automatic concentrator is developed according to customer requirements. The whole-course temperature control, vacuum automatic adjustment, liquid level control and automatic water discharging can be realized and data can be recorded and saved in a real-time manner.

技术参数 Technology parameter

型号规格Model and specification	WZ-500	WZ-1000	WZ-1500	WZ-2000
蒸发量 Evaporating capacity(kg/h)	500	1000	1500	2000
回收酒精浓度 Recycled alcohol density(%)	80~85			
蒸汽压 Steam pressure(Mpa)	0.03~0.09			
真空度 Vacuum degree(MPa)	-0.05~-0.08			
蒸发室容积 Evaporating room area(m³)	1.0	1.5	2	2.5
受液槽容积 Liquid receiving volume(m³)	0.3	0.5	0.8	1.0
耗汽 Steam cost(Kg/h)	520	1050	1550	2100
耗水 Water cost(T/h)	7	10	15	20
加热蒸汽口 Heating steam inlet(mm)	40	50	80	100
冷却水进出口 Cooling water inlet and outlet(mm)	40	50	65	80

SJN 热泵双效节能浓缩器

SJN HOT PUMP DUAL-EFFECT ENERGY
SAVING CONCENTRATOR

适用范围: 适用于热敏性物料的低温真空浓缩，尤其适用于中药、西药、淀粉糖等水溶液的浓缩。

工作原理: 通过热泵将一效二次蒸汽压缩后再提供给一效加热，从而大量节约蒸汽的消耗量，降低生产成本。

设备组成: 一效加热器、一效蒸发室、热泵、二效加热器、二效蒸发室、冷凝器、受液罐、系统内管件阀门一套。

温度指标: 生蒸汽压力0.5~0.7MPa;一效加热温度90°C；一效蒸发温度75°C；二效加热温度75°C；二效加热温度75°C；二效蒸发温度55°C。

蒸汽消耗量: 汽水比为0.33-0.37kg汽/kg水，比不带热泵双效浓缩器节能约34%，节约为30%。

Application range: applicable to low temperature vacuum concentration of heat sensitive materials, especially applicable to concentration of traditional Chinese medicine, western medicine, starch sugar and other water solution.

Working principle: After being compressed through hot pump, the first-effect secondary steam is supplied to the first-effect heating, so that large amount of steam is saved and production cost is reduced.

Equipment composition: first-effect heater, first-effect evaporation chamber, hot pump, second effect heater, second-effect evaporation chamber, condenser, liquid receiving tank, a set of pipe and valve in the system.

Temperature index: live steam pressure. 0.5~0.7MPa; first-effect heating temperature 90°C; first-effect evaporation temperature 75°C; second-effect heating temperature 75°C; second-effect heating temperature 75°C; second-effect evaporation temperature 55°C.

Steam consumption: The steam-water ratio is 0.33-0.37kg steam/kg water. It can save 34% energy and 30% water than the dual-effect concentrator without hot pump.



技术参数 Technology parameter

项目		单位	带热泵中药双效浓缩装置 Tradotopmal Chinese medicine dual-effect concentrating device provided with hot pump	带热泵中药双效浓缩装置 Ordinary traditional chinese medicine dual-effect concentrating device
高压引射蒸汽压力 High pressure ejection steam pressure		Mpa	0.5~0.6	0.1~0.25
热能压缩机噪声 Noise of hot energy compressor		dB(A)	80~85	
理论汽水比 Theoretical steam-water ratio		kg汽/kg水	0.30	0.50
实际运行汽水比 Actua steam-water ratio		kg汽/kg水	0.33~0.35	0.65~0.75
第一次	壳程真空度 Shell side vacuum degree	MPa	0.040~0.030	0.1~0.25
	加热蒸汽温度 Heating steam temperature	°C	85~90	110~120
	蒸发室真空度 Evaporation chambervacuum degree	MPa	0.068~0.060	0.040~0.030
	沸点 Boiling point	°C	70~75	85~90
第二次	壳程真空度 Shell side vacuum degree	MPa	0.068~0.060	0.040~0.030
	加热蒸汽温度 Heating steam temperature	°C	70~75	85~90
	蒸发室真空度 Evaporation chambervacuum degree	MPa	0.089~0.082	0.080~0.070
	沸点 Boiling point	°C	52~57	60~67
各效加热室凝结水排出方式 Discharging method of condensed water in chambers of various effects			等压排水串级自蒸发，可回收凝结水部分热量。 With isopiestic pressure water discharging serial self-evaporation, some heat of the condensed water can be recycled.	
冷却水量 Cooling water volume	进入温度25出水温度35 Water inlet temperature 25 water outlet temperature 35	°C	取此装置冷却水量为1 The cooling water volume of the device is taken as 1.	相同蒸发量，冷却水量为1.43 Under same evaporation, the cooling water volume is 1.43.
操作性 Operability			操作简便，调整及观察容易 Simple operation and adjustment and easy observation	操作简便，调整及观察容易 Simple operation and adjustment and easy observation
经济性 Economical efficiency			占地面积小，设备造价较高，使用成本低， 适合热敏性物料 Small land area, higher equipment cost and low using cost Suitable for heat sensitive materials	占地面积小，设备造价低，使用成本高 Small and area, lower equipment cost and high using cost
增加设备投资成本 Increasing equipment investment csot			1.50	以此项成本为1 Taking the cost of the item as 1

SJN II 双效节能浓缩器

SJN II SERIES DUAL-EFFECT
CONCENTRATOR



用途

本浓缩器适应于中药、西药、淀粉糖、食乳品等液料的浓缩，尤其适用于热敏性物料的低温真空浓缩。

设备特点

- 1、节能效益，按SJN II-1000型计算，年节约蒸汽2500吨左右，节约水7万吨左右，节约电6万度左右，折人民币8-10万元，（与单效对比）
- 2、本浓缩器采用负压外加热自然型循环式的蒸发方式蒸发速度快,浓缩比重大,可达1.1-1.3(一般中药浸膏)。
- 3、本浓缩器采用效同时蒸发,二次蒸汽得到使用,耗能总量与单效浓缩器相比降低40%，一年的节能费可收回本浓缩器的全部投资。
- 4、多功能操作特点: (1) 可回收酒精浓度80%左右; (2)- 效、二效可以反复并锅收膏; (3) 可以间歇、连续进料。
- 5、本浓缩器与物料接触部位均采用不锈钢制作,符合GMP要求。外形美观,加热器、蒸发器外均设有保温,保温外用不锈钢板制作外壳，表面做镜面或亚光处理。
- 根据客户要求我们推出一效带收膏型的二效节能浓缩器,在正常浓缩过程，关闭一效加热室与蒸发室连接喷管及循环管的阀门。将物料进入一效蒸发室并通过-效蒸发室的夹套加热，在一效蒸发室内进行常压浓缩或减压浓缩,以获得较高比重(1.35-1.45)的浓缩膏。

技术参数 Technology parameter

型号规格Model and specification		SJN II 500	SJN II 1000	SJN II 1500	SJN II 2000	SJN II 3000
最大蒸发量Max evaporating capacity(kg/h)		500	1000	1500	2000	3000
蒸汽耗量Steam cost(kg/h)		≤250	≤500	≤750	≤1000	≤1500
水耗量（ T/h ） Water cost		6	12	15	18	25
蒸汽管口Steam pipe orifice(mm)		40	50	50	65	80
外形尺寸Dimension(mm)	长 L	4000	5000	6500	5500	6800
	宽 W	1500	1700	1800	2000	2000
	高 H	3300	3500	4000	4200	4500
蒸发温度Evaporating temperature(℃)	一效 First effect	80-90				
	二效Second effect	55-70				
设计压力Designed pressure(MPa)		0.09				
真空度Vacuum degree (MPa)	一效 First effect	-0.04				
	二效Second effect	-0.06				
浓缩比Condensing ratio		1.1-1.3				

SJN III 双效节能浓缩器

SJN III SERIES TRIPLE-EFFECT
CONCENTRATOR



用途

本浓缩器适应于中药、西药、葡萄糖、淀粉、味精、食品、化工等液体料的浓缩，尤其适用于热敏性物类的低温真空浓缩。

设备特点

- 1、本浓缩器严格按《外加热式中药三效蒸发器》(Gb155773-1995)设计、制造、 检验，并符合卫生部药品生产质量管理规范 (GMP)中有关设备条文的要求与物料接触部位均采用SUS304或SUS316L不锈钢制造。
- 2、各加热室列管、冷凝器列管、中间连接管道均采用SO标准内外抛光处理镜面管,保证物料畅通流动无阻滞,加热室无结焦堵塞现象,减少结垢及清洗次数,提高生产效率。
- 3、各加热室、蒸发室内表面圆角过渡无死角,焊缝均打磨处理,表面抛光至Ra≤0.4μ m ,特别是蒸发室物料进口开口位置及方位,经严格计算,保证蒸发循环物料离心旋转切入蒸发室后,沿蒸发室内表面螺旋旋降而不重力沉降,从而确保蒸发能力的提高。
- 4、本浓缩器采用外加热自然循环与负压蒸发方式,具有蒸发速度快，浓缩比重大,密闭收膏。
- 5、本浓缩器采用效同时蒸发,二次蒸汽得到反复使用,既节省了锅炉的投资,又节约能源消耗,耗能量与其他浓缩器相比降低70%，不到年可从节能费中收回本浓缩器的全部投资(与单效对比)。
- 6、多功能操作特点:(1)可以回收酒精浓度80。左右,(2)三效可以浓缩三种不同的物料，(3)一效、二效、三效、一效可以反复并锅收膏,(4)可以间歇或连续进行料浓缩，(5)可以一次成膏,由第一效进料，经过第二效、第三效出来已一次成膏。
- 7、本浓缩器物料在密封中无泡沫状态下进行浓缩,不易跑料,减少污染,当天物料当天浓缩完毕,不易结焦,清洗方便,打开加热器上下盖即可清洗,并节约劳动力,一个人即可操作。

技术参数 Technology parameter

型号规格Model and specification		SJN III 500	SJN III 1000	SJN III 1500	SJN III 2000	SJN III 3000	SJN III 5000
最大蒸发量Max evaporating capacity(kg/h)		500	1000	1500	2000	3000	5000
蒸汽压Steam pressure (MPa)							
蒸汽耗量Steam cost(kg/h)		≤200	≤400	≤600	≤800	≤1200	≤2000
冷却水耗量Cooling water cost(T/h)		5	10	13	15	18	25
外形尺寸Dimension(mm)	长 L	5000	6500	7000	7500	7800	8000
	宽 W	1300	1500	1700	2000	2000	2000
	高 H	3000	3300	3500	4000	4000	4000
		真空度Vacuum degree(MPa)			蒸发温度Evaporating temperature (°C)		
一效First effect		-0.04			85		
二效Second effect		-0.06			75		
三效Third effect		-0.08			65		

QN/ZN/GN 真空浓缩器

QN/ZN/GN/ SERIES VACUUM
CONCENTRATOR

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、回收有机溶媒等工艺。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0Cr18Ni19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 0Cr18Ni19 stainless steel, and has good corrosion resistance, durability, and conform to the requirements of the drug and health.

技术参数 Technology parameter

型号Mode	QN-300	QN-500	QN-700	QN-1000
参数Parametes				
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(M²)Heating area	1.1	1.6	2.7	3.1
冷凝面积(M²)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传热蒸发浓缩。

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 Technology parameter

型号规格Model and specification	QN-300	QN-500	QN-800	QN-1000	QN-1500	QN-2000
蒸发量Evaporating capacity(kg/h)	70	120	145	195	250	350
容积Volume(L)	300	500	800	1000	1500	2000
球内径Ball inner diameter(mm)	800	1000	1200	1300	1450	1600
蒸汽压Steam pressure(MPa)	0.15					
真空度Vacuum degree(MPa)	-0.05~-0.08					
加热面积Heating area(m²)	1.2	1.6	2.3	2.6	3.3	4
冷凝面积Condensing area(m²)	3.9	5	5.8	8.2	11	16
外形尺寸Dimension(mm)	1900x1100x2300	2030x1200x2500	2100x1300x2500	2335x1520x2765	2500x1700x2900	2750x1800x3100
耗水Water cost(T/h)	5	5	8	8	10	12
蒸汽进口Steam inlet(mm)	32	32	32	40	40	40
水进出口Water inlet and outlet(mm)	32	32	40	40	50	50



QN 球形真空浓缩器
QN SPHERICAL CONCENTRATOR



ZN型 真空减压浓缩器
ZN VACUUM VACUUM CONCENTRATOR



GN 真空浓缩器
GN VACUUM CONCENTRATOR

JH 酒精回收塔/多功能酒精浓缩器

JH ALCOHOL RECOVERY TOWER/ALCOHOL
CONCENTRATOR



JH 酒精回收塔
JH ALCOHOL RECOVERY TOWER



多功能酒精浓缩器
ALCOHOL CONCENTRATOR

用途Usage

本装置适用于制药、食品、轻工、化工等行业的酒精回收，以利于降低生产成本，提高经济效益，本装置可将30%-50%的稀酒精蒸馏到90%-95%，成品酒精度要求高，可加大回流比，但相应成品产量降低，排放残液含醇度：≤0.1%，是回收酒精的专业设备。

The device is suitable for alcohol recovery in pharmacy, food, light industry, chemical industry and etc., with the aim to reduce production cost and enhance economic benefit. The device can distill the thin alcohol of 30-50% to 90-95%. If the requirements to the finished alcohol strength is high, the reflux ratio can be made higher, but the output of finished products will be correspondingly reduced. The alcohol content of discharged residual liquid is less than or equal to 0.1%. It is a device specially for alcohol recovery.

设备特点Device 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 Technology parameter

型号规格Model and specification		JH-200	JH-300	JH-400	JH-500	JH-600	JH-800
塔体直径Tower body diameter(mm)		200	300	400	500	600	800
塔身高度Tower body height(mm)		6000	7000	7500	9000	9000	11500
塔釜容积Tower volume(L)		640	1220	1450	2300	2500	3200
回收能力Recycling capacity(kg/h)		50~60	90~100	180~200	280~320	380~440	600~650
填料形式Material filling form		不锈钢波纹填料					
回收浓度Recycling density(%)		≥90					
外形尺寸Dimension(mm)	长 L	2.3	2.6	2.5	3	3.5	4.2
	宽 W	0.7	0.8	1	1.2	1.4	1.8
	高 H	7.3	8.5	9	11	11.5	14

JC 酒精沉淀罐

JC SERIES ALCOHOL
DEPOSITION TANKER



设备特点

本设备是由附夹套的椭圆封头。锥形底的圆筒体,内安装三叶式搅拌以及特殊的微调旋出液管等组装而成,中药水煎浓缩采用加入酒精配成一定醇度的液体,然后常温,低温冷冻沉降进行液固分离,以提高中药提取液的纯度及澄明度。本设备全部选用不锈钢SUS304制造,配有高压水自动喷淋清洗系统,夹套中可通低温冷却水,传动部位采用机械密封、防爆电机确保生产安全符合GMP医药标准,设备表面镜面或亚光处理。

Equipment characteristics

The device includes the ellipse seal head with clip sleeve, taped -shaped base of cylinder, inner-installed three paddle miller and special finelyregulated revolve-out liquid pipe,tec.The mode for water-decocting and concentration of China traditional drug as follow. First fill the alcoho to form mixture,secondly under low temperaturefreeze to make deposition to separate the solid from the liquid to improve the purity and cleanness of the extraction liquid of Chinese traditional drug. The device is made of stainless steel of SUS304.The high pressure automatic spray & cleaning system is available.It is available to fill the low temperature of cooling water through the clip sleeve. The mechanical seal in the transmission part and the explosion-proof motor can ensure the security of the production process,meeting with the GMP standard. The surface is treated with surface mirror or darkness treatment.

技术参数 Technology parameter

型号规格Model and specification	JC-300	JC-500	JC-1000	JC-1500	JC-2000	JC-3000	JC-6000
容积Volume(m³)	0.3	0.5	1.0	1.5	2.0	3.0	6.0
换热面积Heat exchanging area(m²)	1.8	3.0	4.5	6.5	7.5	8.5	13
工作温度Working temperature(°C)	常温~-15						
夹套设计压力Jacket designed pressure(MPa)	0.09~0.4						
罐内压力Pressure inside pot(MPa)	常压						
搅拌功率Agitator motor(KW)	0.75	0.75	1.5	2.2	2.2	3.0	5.0
搅拌转速Agitator rotary speed(r/min)	72	72	72	72	72	72	125
外形尺寸Dimension(mm)	内径Inside diameter						
	外径Outside diameter	800	1000	1200	1400	1500	2000
	高Height						

用途Usage

本设备适用于中药、口服液、食品、保健品、化工等的酒精沉淀,酒精沉淀罐系醇沉(亦称换溶或醇杆)旧工艺开发的专用设备,主要用于中药水煎液浓缩后浓缩进行冷冻灌装酒精沉淀的操作,也可用中药提后浓缩液进行水沉淀的操作。

The equipment is suitable for alcohol sediment in Chinese medicine, aoral liquid, foodstuff, health-protective products and chemical industry. Alcohol sediment is developed from traditional technology, mainly used for freeze Chinese medicine liquid going fried and condensed or to operate warm alcohol sediment, also can be used to operate water sediment after Chinese herbs being extracted.



发酵罐

FERMENTING
TANK

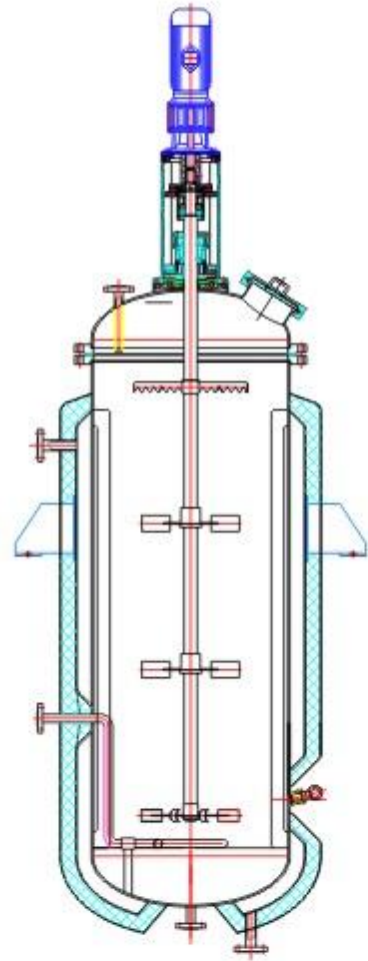


概述

- ◆ 罐体系统：
罐体材质：316或304不锈钢；罐体设计压力：0.3Mpa；
夹套设计压力：0.35Mpa；
罐体结构：带发酵罐专用取样、放料阀，带有标准温度，PH，DO传感器插口；
罐盖结构：标准泡沫电极插口1个；视灯视镜口1个；通用补料接口3个；接种口1个；排气口1个；
表面处理：不锈钢内外镜面抛光，抛光精度Ra0.4；
- ◆ 灭菌方式：在位蒸汽灭菌；
- ◆ 搅拌系统：三层六平叶发酵专用标准桨；
- ◆ 控制范围：50~300rpm，控制精度：±1%
- ◆ 温度控制：冷却水温度+5~65℃；精度：±1℃；
- ◆ pH控制：瑞士梅特勒pH电极及屏蔽导线；范围：2~12PH，控制精度：±0.02pH；
- ◆ 溶氧控制：瑞士梅特勒DO电极及屏蔽导线；范围：5~100%，控制精度：±2%
- ◆ 泡沫控制：自动检测泡沫添加消泡剂；灵敏度100~10000；
- ◆ 补料控制：蠕动泵自动流加；范围：0~5L/min，控制精度：±2%；
- ◆ 空气流量控制：转子流量计手动调节；范围：0~5000L/min

Summary

- ◆ Tank body system：
Tank body material: 316L or 304 stainless steel；
tank body designed pressure: 0.3Mpa；jacket designed pressure: 0.35Mpa；
Tank body structure：provided with special sampling valve and discharging valve for fermenting tank, as standard temperature PH, and DO sensor vents. Tank cover structure: 1 standard foam pole socket, 1 view lamp and sight glass vent, 3 universal material adding vents, 1 vaccination vent, 1 air vent. Surface treatment: stainless steel interior and exterior mirror polishing with polishing fineness of Ra0.4.
- ◆ Sterilization method: in-place steam sterilization；
- ◆ Blending system: special standard paddle for fermentation with three layers and six flat vanes；
- ◆ control range：50~300rpm, control precision：±1%；
- ◆ Temperature control：cooling water temperature+5~65℃；precision：±1℃；
- ◆ PH control：Swiss Mettler pH pole and shielding conductor；
range：2~12pH, control precision：±0.02pH
- ◆ Oxygen dissolution control：Swiss Mettler DO pole and shielding conductor，
range：5~100%，control precision：±2%
- ◆ Foam control：automatic foam detection and defoamer adding；
sensitivity 100~10000
- ◆ Material adding control：creeping pump automatic adding；range：0~5L/min,
- ◆ Air flow control：rotor flow meter manual adjustment；range：0~5000L/min.



技术参数 Technology parameter

规格型号 Model Specification	100L	200L	500L	1m³	2m³	5m³	10m³	20m³	50m³
发酵罐直径(mm) Diameter	400	500	700	900	1200	1500	1800	2300	3100
发酵罐高(mm) Height	2000	2300	2650	2900	3800	4480	5250	6550	8550
罐内压力(Mpa) Inside pressure	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
夹套压力(Mpa) Jacket pressure	0.3	0.3	0.3	0.3	0.3	0.3	管0.3	管0.3	管0.3
搅拌桨数 Paddle No.	2	2	2	2	2	3	3	4	4
搅拌转速(r/min) Mixing speed	160								
电机功率(kw) Motor power	0.55	0.75	1.5	2.2	4	7.5	17	30	55
冷却方式 Cooling way	夹套 Jacket						盘管 Coiled pipe		

冷热缸/配料罐/搅拌罐

HOTTING OR COOLLING
TANK/MIXING TANK



冷热缸/老化缸
HOTTING OR COOLLING TANK

产品用途Use:

本配料罐又名配料缸、拌料缸、配料桶、搅拌罐、有节能，耐用蚀、生产能力强，清洗方便、结构简单等优点专为食(乳)品、饮料、制药、生物工程、果酒、调味品、香精香料、日化行业设计制造的搅拌、调配设备。罐体设有夹层，可通入蒸汽或冷却水分别进行加热或冷却使二种以上物料(如粉状物或添加剂类+溶液等)借助搅拌器的运转在最适宜的温度条件下进行充分混合、搅拌。

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

This ingredients tank also known as ingredients cylinder, cylinder, mixing barrel, mixing tank, energy saving, durable corrosion, strong production capacity, easy clean, simple structure, etc; Designed for food (milk) products, beverage, pharmaceutical, bio-engineering, wine, spices, flavoring, daily chemical industry design and manufacture of stirring and mixing equipment. Tanks with interlining, can pass into the steam or cooling water, respectively, for heating or cooling, so more than two kinds of material (such as powder or additives + solution, etc.) with the help of agitator operation under the condition of optimum temperature for fully mixing, stirring. Volume; 50L, 100L, 200L, 300L, 500L, 600L, 1000L ~ 1000L, stirring speed, 15~ 120 R/min speed.



配料罐/搅拌罐
MIXING TANK

产品用途Use:

冷热缸(又名老化缸),具有节能、消声、耐腐、生产能力强、清洗方便等优点,冷热缸广泛用于乳品行业、食品制药、化工、饮料等工业部门,冷热缸作为加热、冷却、保温、杀菌处理或贮藏浆液的必须设备,冷热缸特别适用于牛奶的巴氏消毒与保温,也是冰淇淋生产线中的必需设备。

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 the dairy industry, food, pharmaceutical, chemical, beverage and other industrial sectors, hot and cold cylinder as the heating, cooling, heat preservation, sterilization or slurry storage is a necessary equipment, especially suitable for cold and hot cylinder of pasteurized milk and heat preservation, also is the necessary equipment in ice cream production line.

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

酶解反应罐/菌种罐

ENZYMOLYSIS REACTION
TANK/SEED TANK



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:

本设备适用于酸奶及乳酸饮料母液发酵、酿造、佐制药、化工及真菌培植,其作用可加热、保温及冷却,为全封闭卫生型发酵专用设备。本设备具有节能、消声、耐腐蚀、生产力强,清洗和操作方便等优点。

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

This equipment is suitable for the yogurt and lactic acid drinks mother liquor fermentation, brewing, seasoning, pharmaceutical, chemical, and fungus cultivation, the role of cooling, heating, heat preservation and is fully enclosed type health fermentation. This equipment has the energy saving, sound attenuation, corrosion resistance, strong productivity, cleaning and convenient operation. Volume: 50L, 100L, 200L, 300L, 500L, 600L, 1000L ~ 1000L, stirring speed, 15 ~ 120 R/min speed.



菌种罐
SEED TANK



罐体附件

ACCESSORIES
OF SHELL

当产品需要搅拌,让产品更快更均匀的运动,天联公司根据您的实际工艺要求进行设计,正确的选择叶轮形式可以产生最优化的搅拌效果。

When products need agitation , according to your actual process requirements Tanlet company makes design and correctly choose blade type which can result in agitation results of optimization, so that it lets products quicker and equal movement.



斜叶桨式
Oblique impeller blade type stirrer

有轴向分流、径向分流和环向分流浆叶前端有较强涡流,多在层流、过度流状态下操作,根据罐体形状及大小,可配备多层浆叶,可用于高粘度液体的低速搅拌。

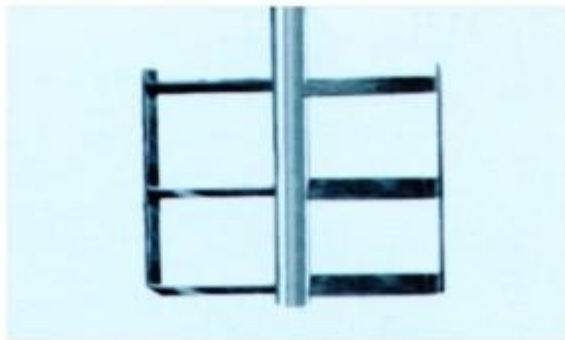
There are axes, radial, circulation flows, Upper end of blade has strength turbine flow, it operates under the condition of laminar flow and transfer flow. According to shape and size of tanks, it can match several blades which is used in high-viscosity liquid with low-speed agitation.



三叶推进式
Three-blade propelling type stirrer

轴流型,循环速率高,剪切力小,采用挡板或导流筒则轴向循环更强,特别适合于低粘度外极型互溶液体的混合、传热及固体悬浮。因卫生级设备内必须减少死角及易清洗,不宜加挡板和导向筒,远跃公司为您设计偏心安装以解决搅拌器所产生的轴向流动,造成强烈湍动,避免打旋而达到理想效果。

It belongs to axes flow with high speed circulation and little cut force. It uses baffles or draft tube to make axes more strength circulation, applies on mixture, transfer-heat and solid suspend Low-viscosity soluble liquids. Sanitary grade equipments must reduce dead Corners and be easy to clean, So it does not suit for adding baffles and draft tube. Yuan Yue designs off-centre installation that solve axes flow and intense turbine and rotation agitation causes.



锚式或框式
Frame or anchor type stirrer

在浆叶不同高度上均为水平环向流,采用斜叶或角钢形叶时,可增加浆叶附近的涡流,锚式、框式均在层流状态下操作,为了增大搅拌范围,可根据需要在浆叶上增设立叶和横梁。适用于高粘度液体或含固量高的液体混合。

There is all horizontal circle flow in different height of blade. it uses oblique or angle steel type blades that increases turbine around blades. Anchor type and frame type operates in laminar flow for increasing scope of agitation, according to requirements, adds vertical blades and beam which suits for mixture of high-viscosity liquid or liquid including high solid.



平叶圆盘涡轮的每个叶片后缘将形成高速剪切区域,使对液体和固体得以分散,特别适合于液体快速混合,制备稳定的液-液分散,固体含量小于60%的悬浮体或不互溶液体与气体的分散。可促进传热、传质和化学反应。

Each blade edges of flat blade disc turbine type stirrer will form high speed cut area which makes separate liquid and solid to be suitable for liquid quick mixture, separation of liquid-liquid, separation of suspend of less than 60% solid quantity or immiscible liquid and gas. It can promote transfer heat and media and chemical reaction.

注意！
搅拌器一定要水平安装,并且与罐体保持垂直角度。

Remark!
Agitation must be horizontally installed, and keep vertical angle with body of tank.



概述 Summary:

- 罐体系统罐体材料: 316L或304不锈钢罐体设计压力: 0.3 MPa; 夹套设计压力: 0.35 MPa; 罐体结构: 带发酵罐专用取样、放料阀带有标准温度、PH、DO传感器接口; 罐盖结构: 标准泡沫电极接口1个; 视镜视镜口1个; 通用补料接口3个; 接种口1个; 排口1个; 表面处理: 不锈钢内外镜面抛光, 抛光精度Ra0.4;
- 灭菌方式: 在位蒸汽灭菌;
- 搅拌系统: 三层六平叶发酵专用标准桨, 控制范围: 50~300 rpm, 控制精度: +1%;
- 温度控制: 冷却水温度+5~65°C, 精度: ±0.1°C;
- pH控制: 瑞士梅特勒pH电极及屏蔽导线, 范围: 2~12pH, 控制精度: +0.02pH;
- 溶氧控制: 瑞士梅特勒DO电极及屏蔽导线, 范围: 5~100%, 控制精度: +2%;
- 泡沫控制: 自动检测, 泡沫添加, 灵敏度100~100000;
- 补料控制: 蠕动泵自动添加, 范围: 0~5L/min, 控制精度: ±2%;
- 空气流量控制: 转子流量计手动调节, 范围: 0~5000L/min;

技术参数 Technology parameter

型号规格 Model and specification	100L	200L	500L	1m³	2m³	5m³	10m³	20m³	50m³
发酵罐直径 (mm)	400	500	700	900	1200	1500	1800	2300	3100
发酵罐高 (mm)	2000	2300	2650	2900	3800	4480	5250	6550	8550
罐内压力 (MPa)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
夹套压力 (MPa)	0.3	0.3	0.3	0.3	0.3	0.3	管0.3	管0.3	管0.3
搅拌桨数	2	2	2	2	2	3	3	4	4
搅拌转速 (r/min)	400	360	265	220	180	160	145	126	110
电机功率 (kw)	0.55	0.75	1.5	2.2	4	7.5	17	30	55
冷却方式	夹套							列管	

JG 型系列发酵罐

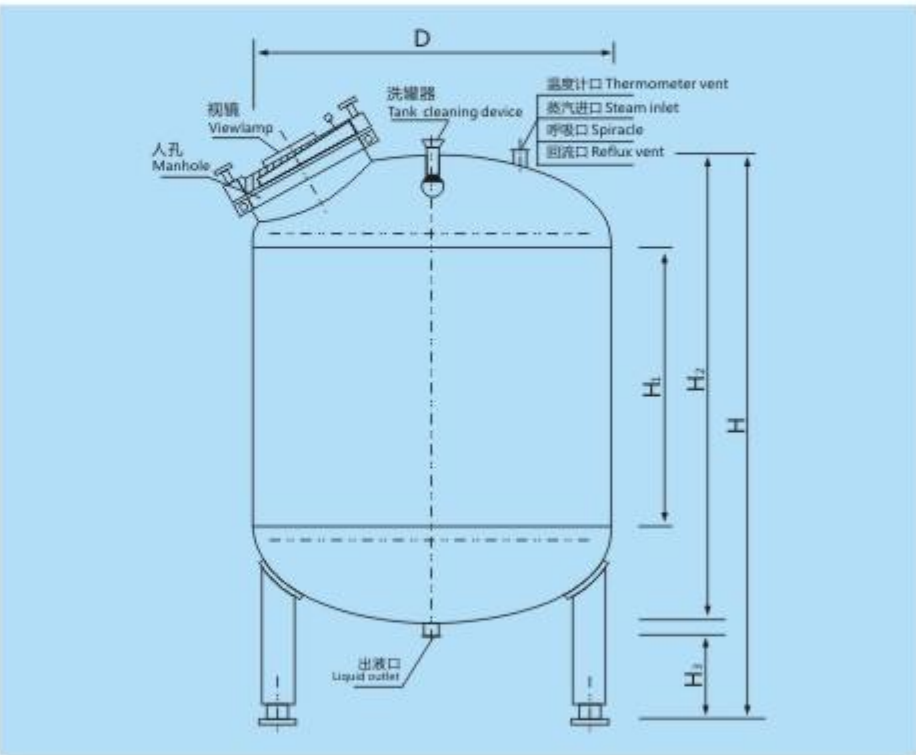
JG MODEL SERIES
FERMENTING TANK



- Tank body system: Tank body material: 316L or 304 stainless steel; tank body designed pressure: 0.3 MPa; jacket designed pressure: 0.35 MPa; Tank body structure: provided with special sampling valve and discharging valve for fermenting tank, as well as standard temperature, PH, and DO sensor vents. Tank cover structure: 1 standard foam pole socket, 1 view lamp and sight glass vent, 3 universal material adding vents, 1 vaccination vent, 1 air vent. Surface treatment: stainless steel interior and exterior mirror polishing with polishing fineness of Ra0.4.
- Sterilization method: in-place steam sterilization;
- Blending system: special standard paddle for fermentation with three layers and six flat vanes; control range: 50~300rpm, control precision: ±1%;
- Temperature control: cooling water temperature +5~65°C; precision: ±0.1°C;
- pH control: Swiss Mettler pH pole and shielding conductor; range: 2~12pH, control precision: ±0.02pH;
- Oxygen dissolution control: Swiss Mettler DO pole and shielding conductor; range: 5~100%, control precision: ±2%;
- Foam control: automatic foam detection and defoamer adding; sensitivity 100~100000
- Material adding control: creeping pump automatic adding; range: 0~5L/min, control precision: ±2%;
- Air flow control: rotor flowmeter manual adjustment; range: 0~5000L/min.

CG 立式单层储罐、纯化水储罐、注射水储罐

CG VERTICAL SINGLE-LAYER STORAGE TANK PURIFIED WATER STORAGE TANK INJECTION WATER STORAGE TANK



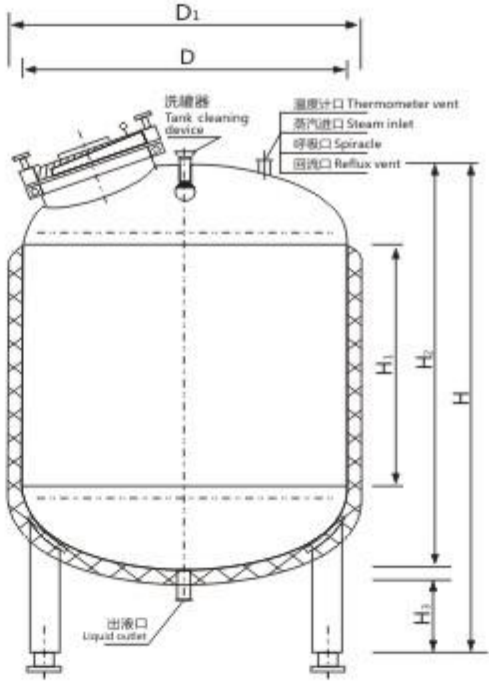
该类储罐按《钢制压力容器》《钢制化工容器制造技术要求》进行制造、试压和验收。

储罐容积200L-8000L等标准规格,也可根据客户实际需要进行设计、加工。

该类储罐主要用于大输液、水针剂、口服液及去离子水(纯化水)储存。

罐体配置高精度液位计、呼吸器、灯视镜、洗罐器、人孔或手孔、数显温度计及若干个快装接口。

罐体接口采用国家通用ISO标准快装卡盘式,罐体板材选用进口316L或304,内表面镜面抛光Ra0.28- 0.45μm,外表面为进口304镜面板或亚光处理。

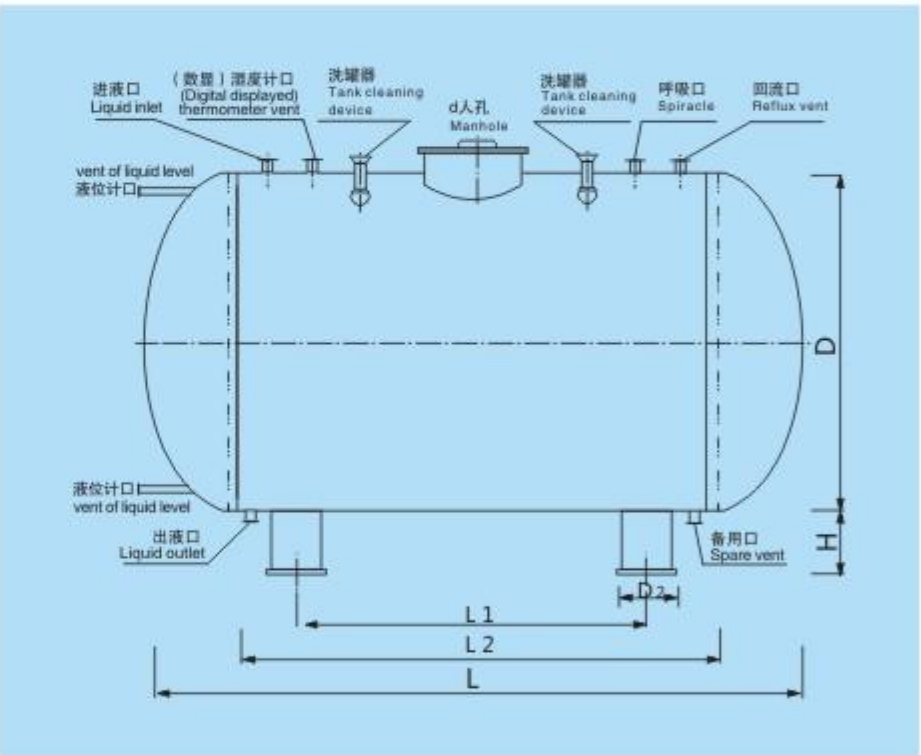


技术参数 Technology parameter

规格 (L) Specification	参考尺寸 (mm) Reference size						
	D	D1	H1	H2	H3	H	DN
200	700	800	400	800	235	1085	32
250	800	900	400	850	235	1135	32
300	800	900	460	910	235	1195	32
500	900	1000	640	1140	270	1460	40
600	900	1000	830	1130	270	1450	40
800	1000	1100	880	1430	270	1750	40
1000	1100	1200	880	1480	270	1800	40
1200	1100	1200	1100	1700	270	2020	40
1500	1200	1300	1150	1800	270	2120	40
2000	1400	1500	1220	1970	280	2300	40
2500	1500	1600	1150	1980	280	2310	40
3000	1600	1700	1220	2120	280	2450	40
4000	1800	1900	1250	2250	280	2580	40
5000	1900	2000	1500	2550	320	2950	50
7000	2200	2300	1450	2650	320	3050	50
8000	2200	2300	1750	2950	320	3350	50

GG 卧式单层储罐、纯化水储罐、注射水储罐

GG HORIZONTAL SINGLE-LAYER STORAGE TANK PURIFIED WATER STORAGE TANK INJECTION WATER STORAGE TANK

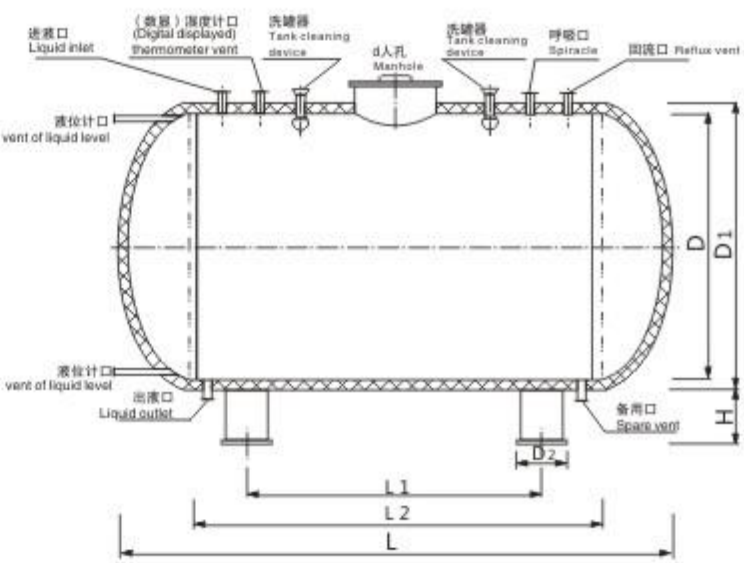


1.该类储罐按《钢制压力容器》《钢制化工容器制造技术要求》进行制造、试压和验收。

2.储罐1000L-20000等标准规格,也可根据客户实际需要进行设计、加工。

3.罐体上快装接C为国际通用标准ISO标准快装卡盘式配置高精度液位计、数显温度计、洗罐器、灯视镜、人孔及若干个快装接口等。

4.罐体材料为进口316L或304,内表面镜面抛光Ra0.28-0.45 μm,外表面镜面处理或亚光。



技术参数 Technology parameter

规格 (L) Specification	参考尺寸 (mm) Reference size								
	D	D1	D2	L1	L2	L	H	D	DN
1000	1000	1100	150	1000	1130	1680	270	400	40
1200	1000	1100	150	1160	1450	2000	270	400	40
1500	1100	1200	150	1100	1400	2000	270	400	40
2000	1200	1300	150	1300	1730	2380	270	400	40
2500	1300	1400	150	1400	1770	2470	280	500	40
3000	1400	1500	150	1400	1930	2680	280	500	40
4000	1500	1600	200	1600	2160	2960	320	500	40
5000	1600	1700	200	1700	2400	3280	320	500	50
6000	1700	1800	200	1840	2550	3480	320	500	50
8000	1900	2000	250	2070	2750	3780	320	500	50
10000	2000	2100	250	2270	3100	4180	320	500	50
12000	2100	2200	280	2460	3400	4550	360	500	65
15000	2300	2400	280	2640	3600	4850	360	500	65
20000	2500	2600	280	2860	3900	5250	360	500	65

食品领域反应釜、调和罐

REACTING KETTLE AND BLENDING
TANK IN FOOD FIELD

专用美拉得反应釜SpecialMeaction Type Reaction Kettle



蛋白质、脂肪、氨基酸、肽、糖等物质在高温下产生热反应生成具有浓烈熟肉香味的物质的专用反应。是肉香呈味物的专用生产设备。也可进行其他反应。也能作小型的调配罐用。本设备带专用搅拌机、配有配套冷凝器作加热回流用。夹套可接蒸汽加热，也可接冷却水快速冷却外有保温层。

专用美拉得反应釜技术参数Technology parameter

参数/型号	50	100	200	500	1000
容积 (L)	50	100	200	500	1000
罐内温度 (°C)	≤160				
罐内承压 (MPa)	≤0.6(夹套内蒸汽压力≤0.7)				

调合罐Blending Tank

- 设备说明
- 1、设备采用316L或304优质不锈钢制作,内壁采用机械抛光,外壁采用304全焊接结构保温,外表面采用镜面或亚光处理。
 - 2、夹套形式:全夹套、半圆盘管夹套、蜂窝夹套。
 - 3、保温材料:填充珍珠棉、岩棉或聚氨酯发泡。
 - 4、搅拌装置:顶部中(偏)心搅拌或侧搅拌;搅拌桨形式:框式、锚式、推进式桨叶式、涡轮式等。
 - 5、搅拌转速: 10 ~ 120r/min(定速)或配置无级调速及变频调速。
 - 6、液位计形式:宽式条状钢化玻璃视镜等。
 - 7、设备配置:快开式人孔视镜、视镜、温度计(数显式或表盘式)、取样口、空气呼吸器、CIP清洗器、料液进出口、备用口、冷热媒进出口等。
 - 8、容器灭菌方式:可在线蒸汽灭菌(121℃)。
 - 9、各进出管口、视镜、人孔等工艺开孔与内罐体焊接处均采用翻边工艺圆弧过渡光滑易清洗无死角,外表美观并可按要求外壳体做滴水边设计。
 - 10、其他些非标特性均可按照客户需要定制。
 - 11、容积: 50L-20000L系列规格。

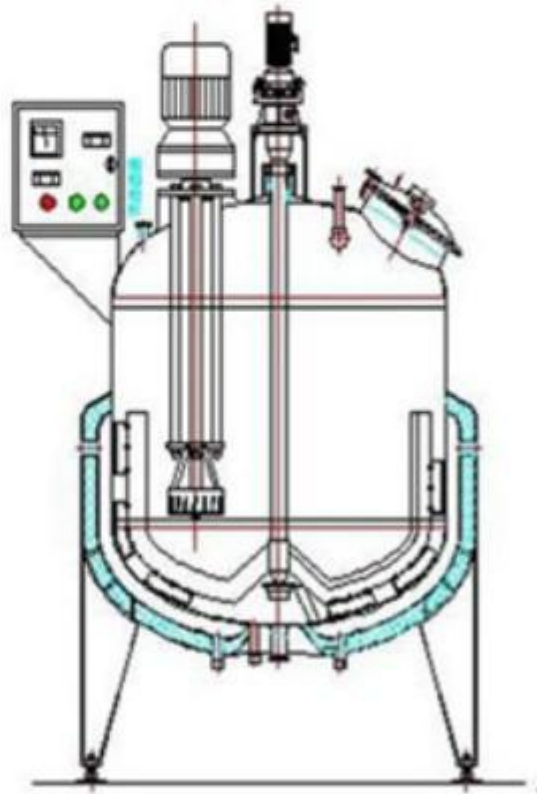


It is the reaction kettle for such substances as protein, fat, amino acid, peptide, sugar and etc. to produce the substances full of strong and intense fragrance of cooked meat after thermal reaction under high temperature. It is a special device for producing substances full of fragrance of cooked meat. It can be used for other reaction or used as a small preparation tank. The equipment has its special blender, and is provided with condenser for heating and reflux. The jacket can be connected with steam for heating, and with cooling water for quick cooling. Heat preservation layer is provided outside.



高剪切乳化罐

HIGH SHEAR
EMULSION TANK



高剪切乳化罐的主要结构与配置说明
Main structure and configuration of high shear emulsion tank

剪切机头采用爪式、双向吸料结构，避免了上部物料难以吸入而造成的死角和漩涡现象，高速旋转的转子产生强劲的剪切力，使剪切率更高，剪切力更强。在转子产生的离心力作用下，将物料从径向甩入定、转子之间狭窄精密的间隙中，同时受到离心挤压、撞击等作用力，使物料得到充分分散、混合、乳化。

注：如在真空状态或带压容器上使用，剪切机电机支座需另行配置相应的机械密封装置。

The shear head adopts claw type and two-way suction structure, which avoids the dead corner and vortex phenomenon caused by the upper material difficult to inhale. The high-speed rotating rotor produces strong shear force, which makes the shear rate higher and the shear force stronger. Under the action of centrifugal force generated by the rotor, the material is thrown into the narrow and precise gap between the stator and rotor from the radial direction. At the same time, it is subjected to centrifugal extrusion, impact and other forces, so that the materials are fully dispersed, mixed and emulsified.

Note: if it is used in vacuum or pressure vessel, the motor support of shearing machine shall be equipped with corresponding mechanical seal device.

处理工艺Treatment process:

- 1、混合：糖浆、香波、洗涤剂、果汁浓缩液、酸奶、甜点、混合奶制品、油墨、瓷釉。
 - 2、分散混合：甲基纤维素溶解、胶质体溶解、碳化物溶解、油水乳化、预混合、调味料生产、稳定剂溶解、烟尘、盐、氧化铝、农药。
 - 3、分散：悬浮液、药丸包衣、药物解聚、涂料分散、唇膏、蔬菜浓汤、芥末混合物、催化剂、消光剂、金属、颜料、改性沥青、纳米材料的制备和解聚。
 - 4、乳化：药乳液、药膏、雪花膏、面膜、面霜、乳化香精、油水乳化、乳化沥青、树脂乳化、蜡乳化、水性聚氨酯乳化、农药。
 - 5、均质：药乳液、药膏、雪花膏、面膜、面霜、组织匀浆、奶制品均质、果汁、打印墨水、果酱。
1. Mixing: syrup, shampoo, detergent, juice concentrate, yogurt, dessert, mixed dairy products, ink, enamel.
2. Dispersion and mixing: methyl cellulose dissolution, colloid dissolution, carbide dissolution, oil-water emulsification, premixing, seasoning production, stabilizer dissolution, smoke, salt, alumina, pesticide.
3, dispersion: suspension, pill coating, drug depolymerization, paint dispersing, lipstick, vegetable soup, mustard mixture, catalyst, matting agent, metal, pigment, modified asphalt, Preparation and depolymerization of nanomaterials.
4, emulsification: medicine emulsion, ointment, cream, mask, cream, emulsified essence, emulsified oil, emulsified asphalt, resin emulsification, wax emulsification, waterborne polyurethane emulsification, pesticide.
5, homogenization: drug emulsion, ointment, cream, mask, cream, tissue homogenization, homogenization, juice, printing ink, jam.

小型实验室搅拌罐/反应釜

SMALL LABORATORY AGITATION TANK/REACTION KETTLE



移动式搅拌罐
MOVING 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。



实验室反应釜
LABORATORY REACTION KETTLE



移动式贮罐
MOVING STORAGE TANK

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

Volume: 10L-30OL, 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 safety GMP standard of quality.



电加热搅拌罐
ELECTRICAL HEATING MIXING TANK

列管式热交换器/螺旋板换热器

TUBULAR HEAT EXCHANGER SPIRAL
BOARD HEAT EXCHANGER



列管式热效换器
Tubular heat exchanger

列管式热交换器是一种筒体内布置有不同数量、规格的管子组成不同换热面积的密闭的热交换器。材料接触选用优质不锈钢SUS 304,本换热器具有结构简单外形美观无死角易清洗、符合GMP要求。广泛用于制药、化工行业的蒸汽冷凝、物料加热冷却等作用。

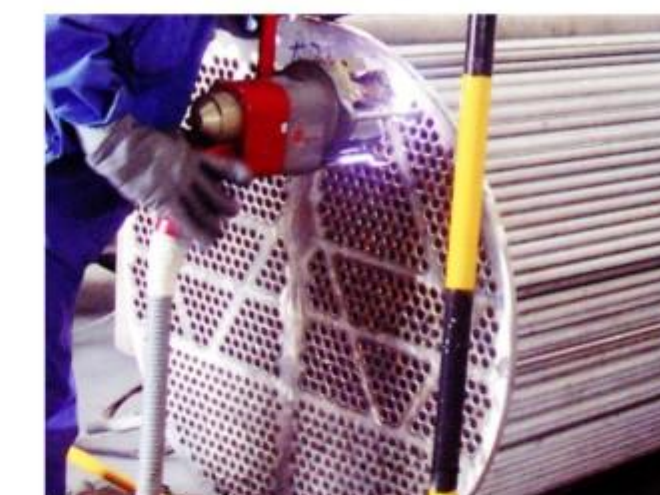


列管式技术参数Technology parameter

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螺旋板换热器
Spiral board heat exchanger

该设备具有热效率高、结构紧凑轻巧、占地面积小、安装方便等。广泛用于制药行业液体或气体加热、冷却、蒸发是良好的换热设备。换热面积5-120m²最大允许使用压力1.6MPa最大允许使用温度50-250。



管式板式杀菌系统

TUBULAR PLATE
TYPE STERILIZATION SYSTEM

工艺参数 The process parameters

- 1) 5℃→65℃ (均质) →137℃ (3-5S) →20℃-25℃, 适用于无菌包装 ;

2) 5℃→65℃ (均质) →115℃/125℃ (5-15S) →88℃-90℃, 适用于热灌装 ;

3) 5℃→65℃ (均质) →115℃/125℃ (5-15S) →75℃-78℃, 适用于中温灌装 ;
- 1) 5℃→65℃ (homogenizer) →137℃ (3-5S) →20℃-25℃, for aseptic filling ;

2) 5℃→65℃ (homogenizer) →115℃/125℃ (5-15S) →88℃-90℃, for hot filling ;

3) 5℃→65℃ (homogenizer) →115℃/125℃ (5-15S) →75℃-78℃, for middle temperature filling ;

管式杀菌机可用来对各种液态食品、饮料进行热处理，与其他种类的杀菌机相比有如下优点：

- 1.热效率高，可达90%的热回收效率；

2.加热介质与物料温差小，换热管采用了波纹管，换热效率高，结垢少，增长了杀菌机的工作时间。

3.自动化程度高，从设备的CIP清洗、设备自杀菌到物料杀菌整个过程可实现自动控制、记录。

4.杀菌温度控制精确可靠，蒸汽压力、流量，物料流量等都严格自动控制。

5.物料管内壁采用先进技术抛光和自动焊，管道设计实现全自动清洗，设备全过程自杀菌，确保系统无菌性。

6.系统安全性强，系统配件皆选用性能好可靠性高的产品，蒸汽，热水，物料等都有压力保护措施和报警系统。

7.系统可靠性高，主要部件如物料泵，热水泵，各类阀门，控制系统的电气元件和执行都是世界名牌。

8.自身SIP系统。

Technical

Tublar sterilizer performs the hot processing on the liquid foods and beverage. Compared to the other model, it has the following characteristics:

- 1.High heat efficiency,90% of heat can be reused after the product be processed;

2.Temperature difference between the product and the heating medium is small,so the heating is gentle;

3.It is of high degree automatic,can automatically control the CIP cleaning self sterilizing,and the whole procedures steps;all the procedures are recorded and controllable;

4.It is of precise and reliable sterilizing temperature control;all the affecting factors such as steam pressure,steam flow rate, product flow rate are all controllable;

5.The inside of the tubular adopts advanced polish procedure,all tubes can perform fully cleaning,self sterilizing ensures the system at aseptic state;

6.The system is strong safety,the fittings all adopts reliable materials;

7.The system is of high reliable,main parts such as preduct pump,hot water pump,all kinds of valves,elements of the electrics are all of world known brands

8.With self SIP.



板式超高温杀菌机
Plate UHT Sterilizer



管式UHT杀菌成套设备
Pipe UHT Tubular Sterilizer

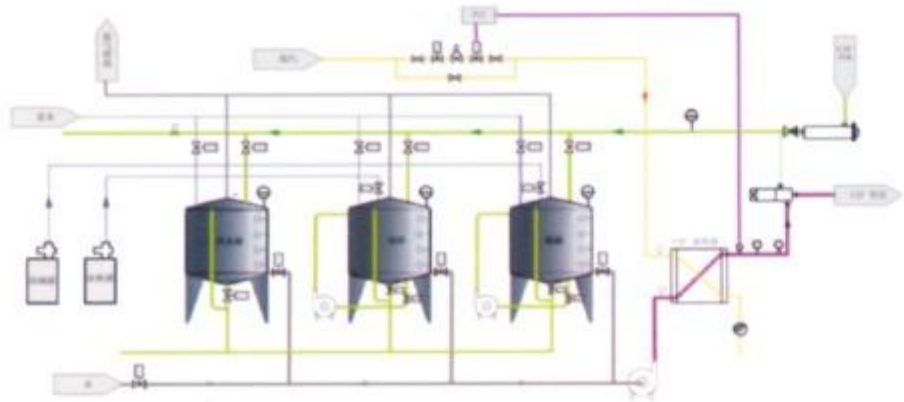
一体式CIP在线清洗机/全、半自动分体式CIP清洗机

INTEGRATIVE CIP ON-LINE CLEANING MACHINE/
AUTOMATIC CIP CLEANING SYSTEM

适用范围Use:

本产品适用于乳品食品厂、啤酒厂、制药厂、罐头厂、调味品厂等一般食品厂的物料管道和容器设备就地清洗本设备利用离心泵输送清洗液在物料管道和设备容器内进行强制循环，以达到清洗干净的目的。

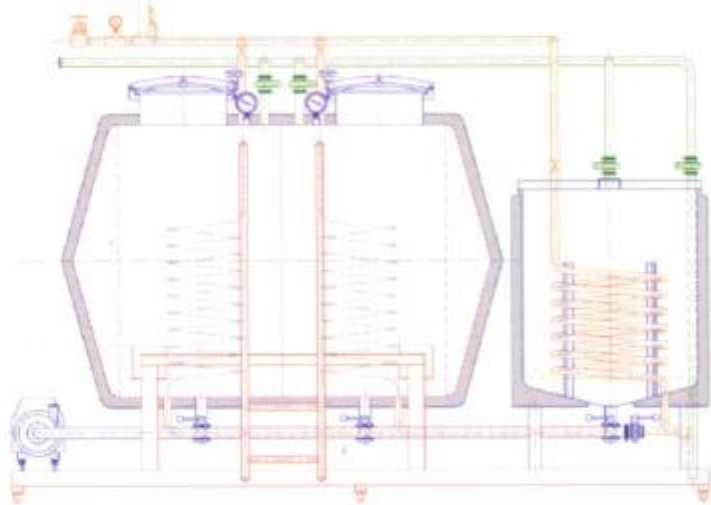
This equipment is used in medicine (material workshop, synthetic workshop), biological engineering, fine chemical, chemical synthesis, food industry etc of hydrolysis, and crystallization, distillation, evaporation, heating mixed.



主要特点 Main characteristics:

本产品适用于乳品食品厂、啤酒厂、制药厂、罐头厂、调味品厂等一般食品厂的物料管道和容器设备就地清洗本设备利用离心泵输送清洗液在物料管道和设备容器内进行强制循环，以达到清洗干净的目的。

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/ SUS3 16L stainless steel production,both internal and external surface sanitation mirror polishing or drawing processing, in accordance with The transmission parts



技术参数 Technology parameter

参数Parametes	型号Mode	CIP-500	CIP-1000	CIP-2000	CIP-3000	CIP-5000
酸罐(L)Acid tank		500	1000	2000	3000	5000
碱罐(L)Alkali tank		500	1000	2000	3000	5000
热水罐(L)Hot water tank		500	1000	2000	3000	5000
加热方式Heating mode		-0.08				
CIP泵 CIPpumb		10T/H	10T/H	20T/H	20T/H	30T/H
扬程(M)Head		24	24	36	36	36
功率(Kw)Power		2.2	2.2	5.5	5.5	7.5

WP 泵

WP SERIES
OF PUMP



卫生离心泵
Sanitary centrifugal pump

卫生级乳化泵
Sanitary Grade Emulsion Pump

自吸泵
Self-priming Pump

国梁卫生泵系列物料接触部位均采用SUS304或SUS316L不锈钢制造，在医药、饮料、化工、酿造等行业广泛应用符合医药行业GMP要求深受药厂欢迎。泵体、叶轮用SUS304或SUS316L精密铸造或锻压制成。

泵内光洁度经抛光后达到Ra0.28μm~0.4um。

进出口采用国际标准ISO、DIN标准。

流量: 3T/h-30T/h扬程: 20m~36m。

The contact parts of Guoliang Health Pump series are SUS 304 or SUS 316L. Steel manufacturing, widely used in medicine, beverage, chemical industry, brewing and other industries, in line with the pharmaceutical industry Industry GMP requirements, welcomed by pharmaceutical companies. SUS304 or SUS316L for pump body and impellerMade of dense casting or forging.The internal finish of the pump is polished to reach Ra0.28 μm ~ 0.4 um. Import and export adopt international standards ISO, DIN standards.Flow: 3T/h - 30 T/h lift-out: 20m ~ 36m.

离心泵主要技术参数
Main technical parameter of centrifugal pump

型号Model	流量(吨/小时) Flow(ton/h)	扬程(米水柱) Distance (M water column)	电机功率 electric power	进出口径 entrance & exit diameter	
TLW-15-14	1.5	14	0.5	40/25	32/25
TLW-3-14	3	14	1.1	40/32	38/38
TLW-5-24	5	24	1.5	50/40	51/38
TLW-5-32	5	32	2.2	50/40	51/38
TLW-10-24	10	24	2.2	50/40	51/38
TLW-10-36	10	36	3	50/40	51/38
TLW-15-24	15	24	3	50	51
TLW-20-24	20	24	4	50	51
TLW-20-36	20	36	5.5	50	51
TLW-25-24	25	24	4	50/50	51/51
TLW-30-24	30	24	5.5	65/50	63/51
TLW-30-36	30	36	7.5	65/50	63/51
TLW-30-60	30	60	11	65/50	63/51
TLW-35-36	35	36	11	65/50	76/63
TLW-40-36	40	36	11	80/65	76/63
TLW-40-45	40	45	11	80/65	101.6/76
TLW-50-36	50	36	11	80/65	101.6/76
TLW-80-30	80	30	15	100/80	
TLW-80-40	80	40	18.5	100/80	
TLW-100T-40	100	40	22	125/100	
TLW-100T-70	100	70	33	125/100	

卫生级乳化泵主要技术参数
Main technical parameters of health grade emulsion pump

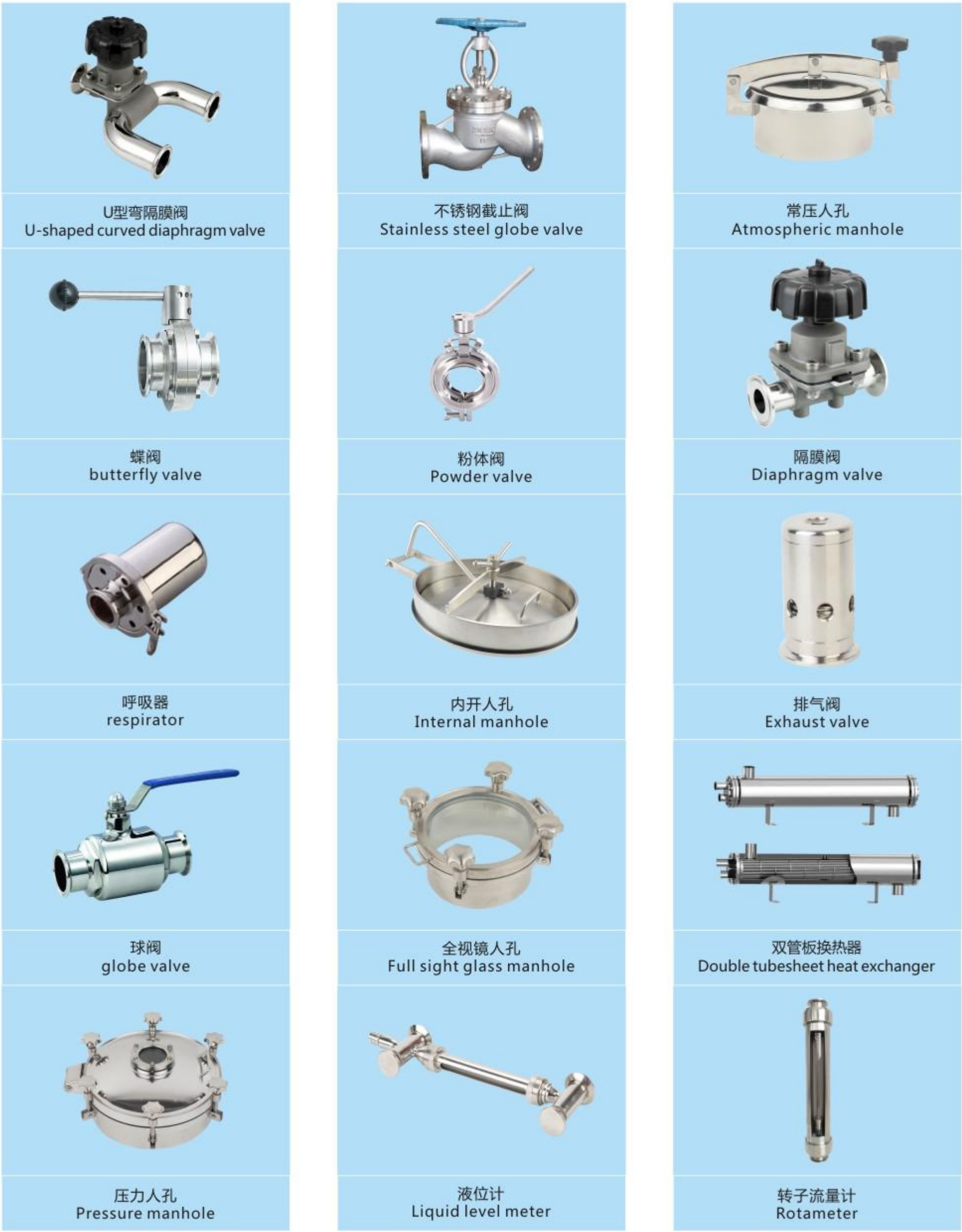
产品型号	功率 (KW)	转速 (r/min)	出口压力 (MPA)	流量 (T/H)
BRL1-80	1.5	2800	≤0.2	0-1.5
BRL1-100	2.2			0-3
BRL1-130	4			0-4
BRL1-140	5.5			0-5
BRL1-165	7.5			0-8
BRL1-180	11			0-12
BRL1-185	15			0-18
BRL1-200	22			0-25
BRL1-210	30			0-35
BRL1-230	45			0-50
BRL1-245	55	2900	≤0.2	0-75
BRL1-260	75			0-90

自吸泵主要技术参数
Main technical parameter of self-priming pump

型 号	功率 (KW)	转速 (r/min)	乳化流量 (m³/h)	分散流量 (m³/h)
BRSF-60	1.5	2900	0-1.5	0-5
BRSF-100	2.2		0-3	0-10
BRSF-120	4		0-4	0-10
BRSF-140	5.5		0-5	0-20
BRSF-165	7		0-8	0-20
BRSF-180	11		0-12	0-30
BRSF-190	15		0-20	0-30
BRSF-200	22		0-25	0-50
BRSF-210	30		0-35	0-50

罐体附件

ACCESSORIES
SHEII



U型弯隔膜阀
U-shaped curved diaphragm valve

不锈钢截止阀
Stainless steel globe valve

常压人孔
Atmospheric manhole

蝶阀
butterfly valve

粉体阀
Powder valve

隔膜阀
Diaphragm valve

呼吸器
respirator

内开人孔
Internal manhole

排气阀
Exhaust valve

球阀
globe valve

全视镜人孔
Full sight glass manhole

双管板换热器
Double tubesheet heat exchanger

压力人孔
Pressure manhole

液位计
Liquid level meter

转子流量计
Rotameter

卫生级管道配件

HEALTH PIPE
ACCESSORIES



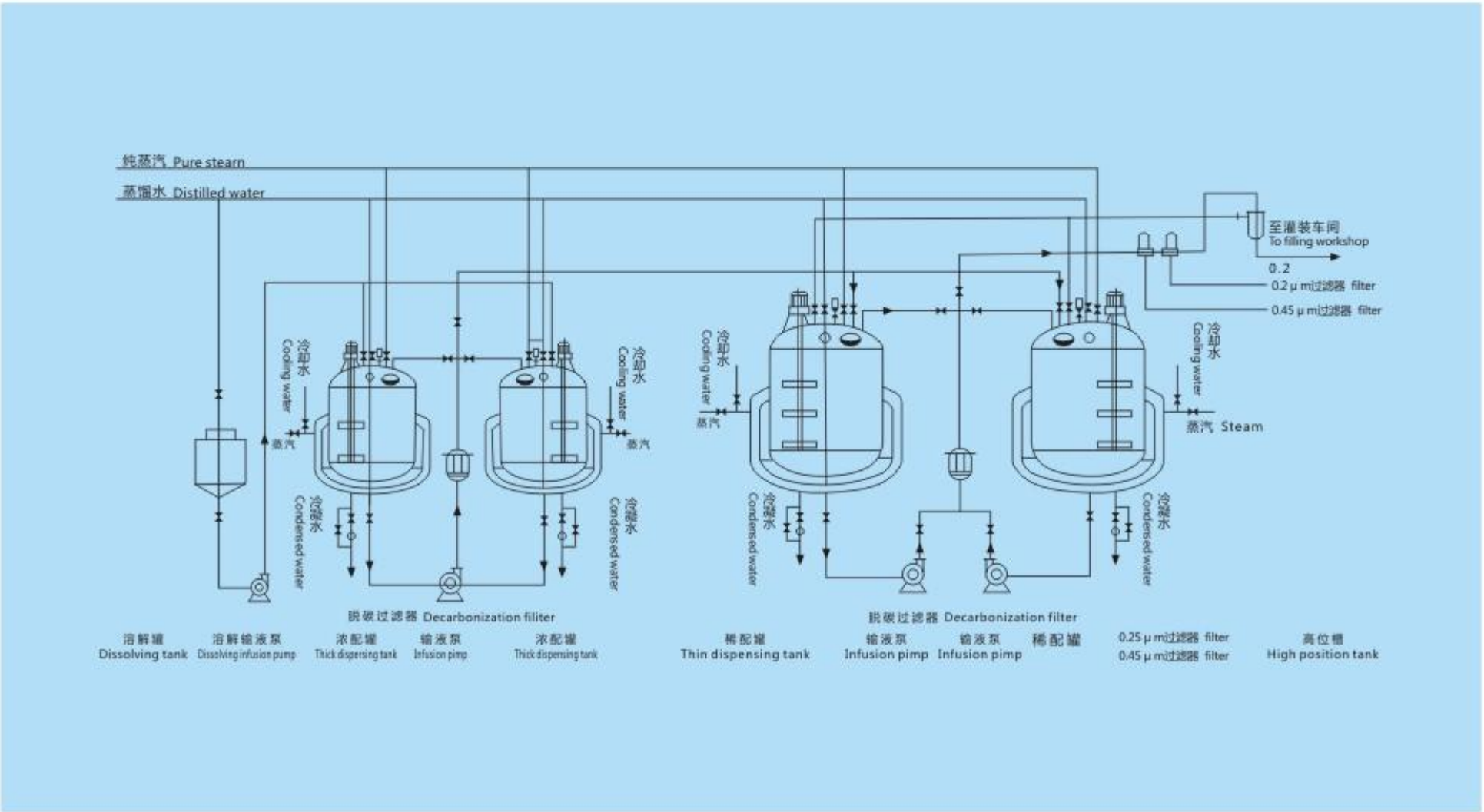
鹏睿人深知阀门与卫生洁净设备的密切相关,对确保整套工艺设备的卫生要求的重要性所以加工的每一个配件都精工细做材料均采用SUS304、SUS316L制成,内镜面抛光光洁度 $Ra \leq 0.28 \mu m$,表面处理采取机械抛光、磨砂、亚光等多种形式采用ISO、DIN、IDF、SMS等国际技术标准系列化产品能符合GMP医药标准。

Pengrui people are well aware that the close relation between tube element, valve and cleaning equipment is important for the sanitation requirement of the whole set of technological facilities. Therefore, each part is elaborately processed, materials all adopt SUS304、SUS316L, internal surface has mirror polish with finish $Ra \leq 0.28 \mu m$, surface adopts mechanical polishing, sand grinding or surface polishing. Besides, International technical criteria such as ISO、DIN、IDF and SMS are adopted So the product series can go with GMP medical standards.

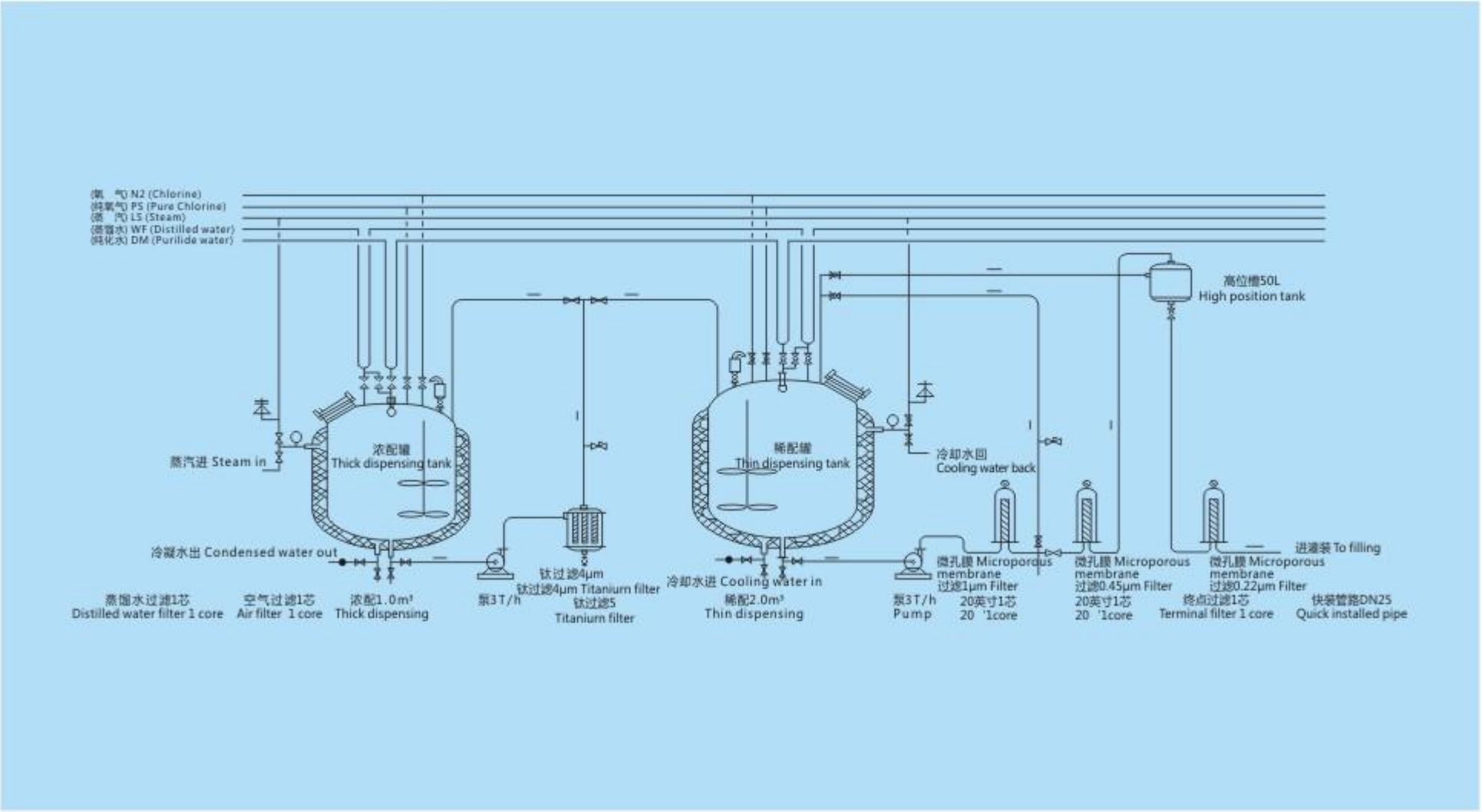
工艺流程图

PROCESS FLOW
DIAGRAM

大输液配置工艺流程 Configuration process flow of infusion



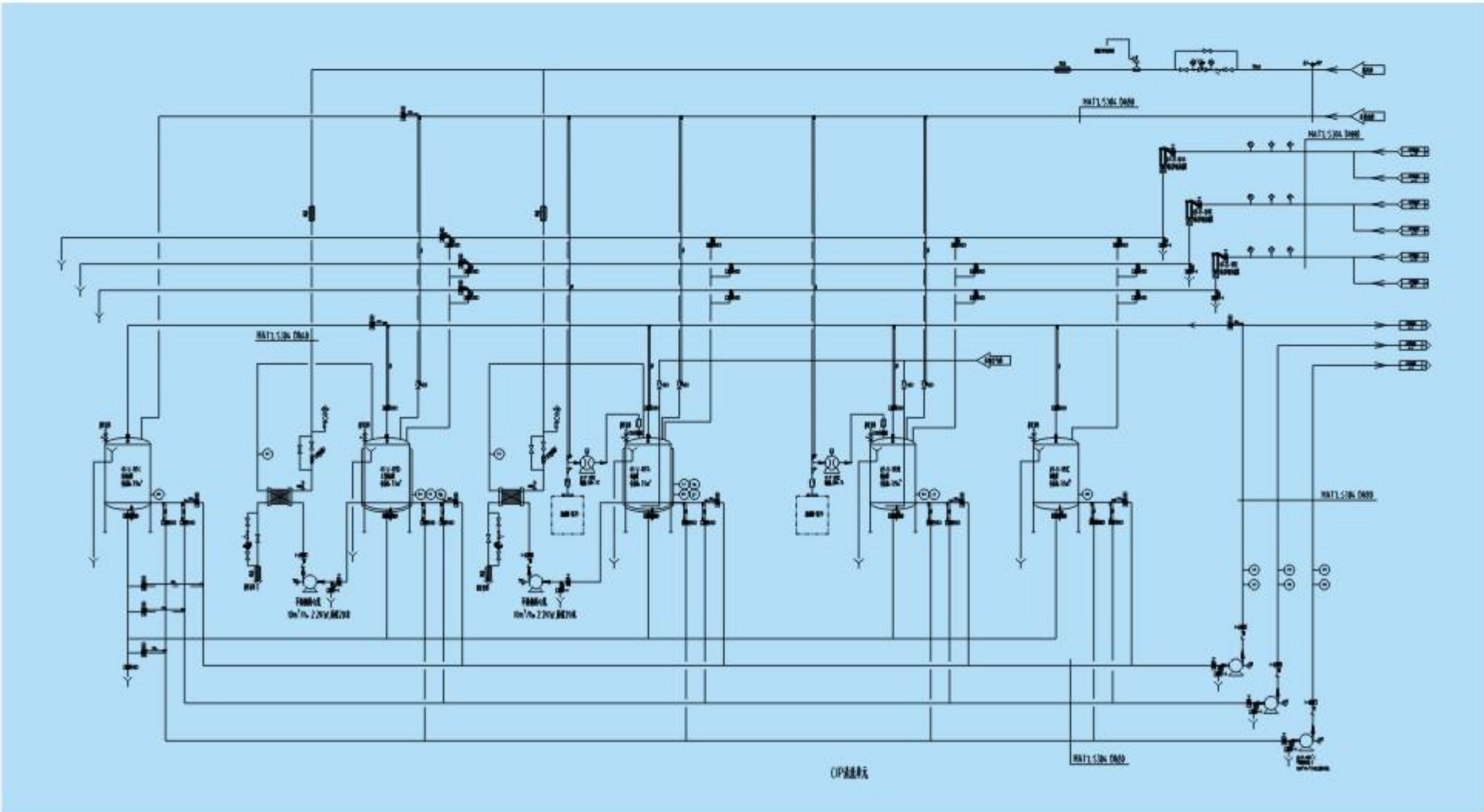
小针剂配置工艺流程 Process flow of dispensing small injection



工艺流程图

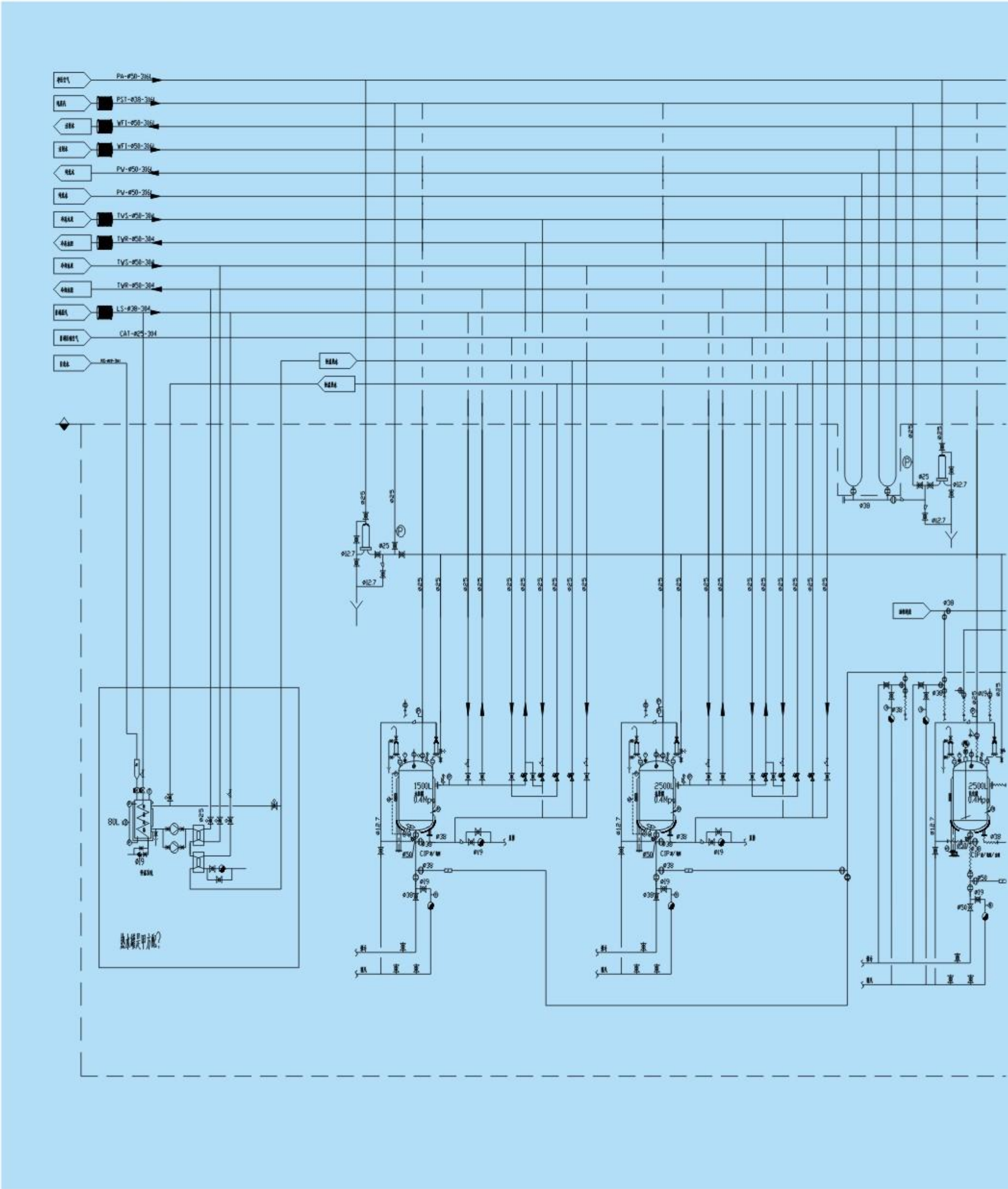
PROCESS FLOW
DIAGRAM

CIP清洗系统工艺流程图
Process flowchart of CIP cleaning system



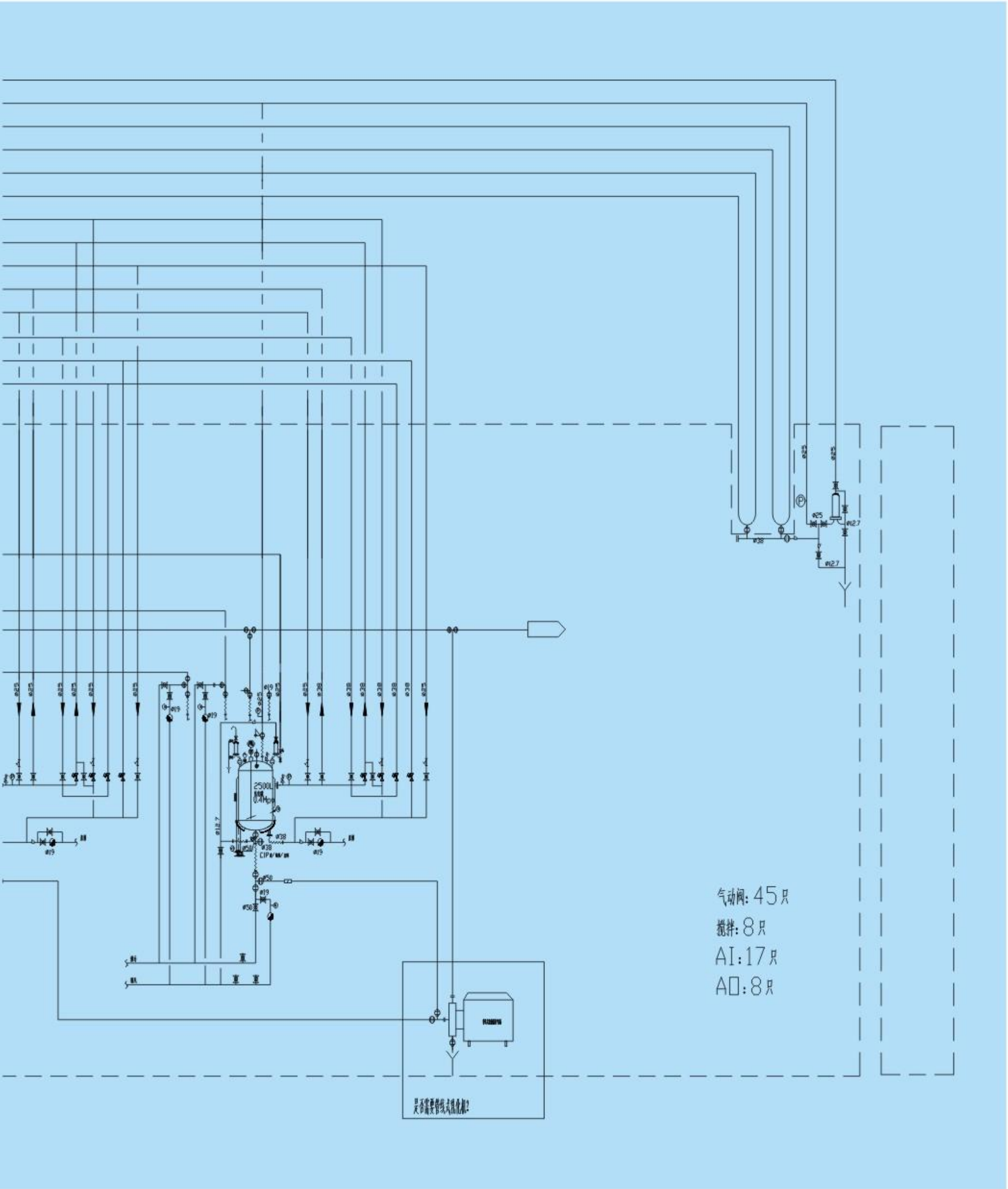
乳化系统工艺流程图

Emulsification
System Process Flow Diagram



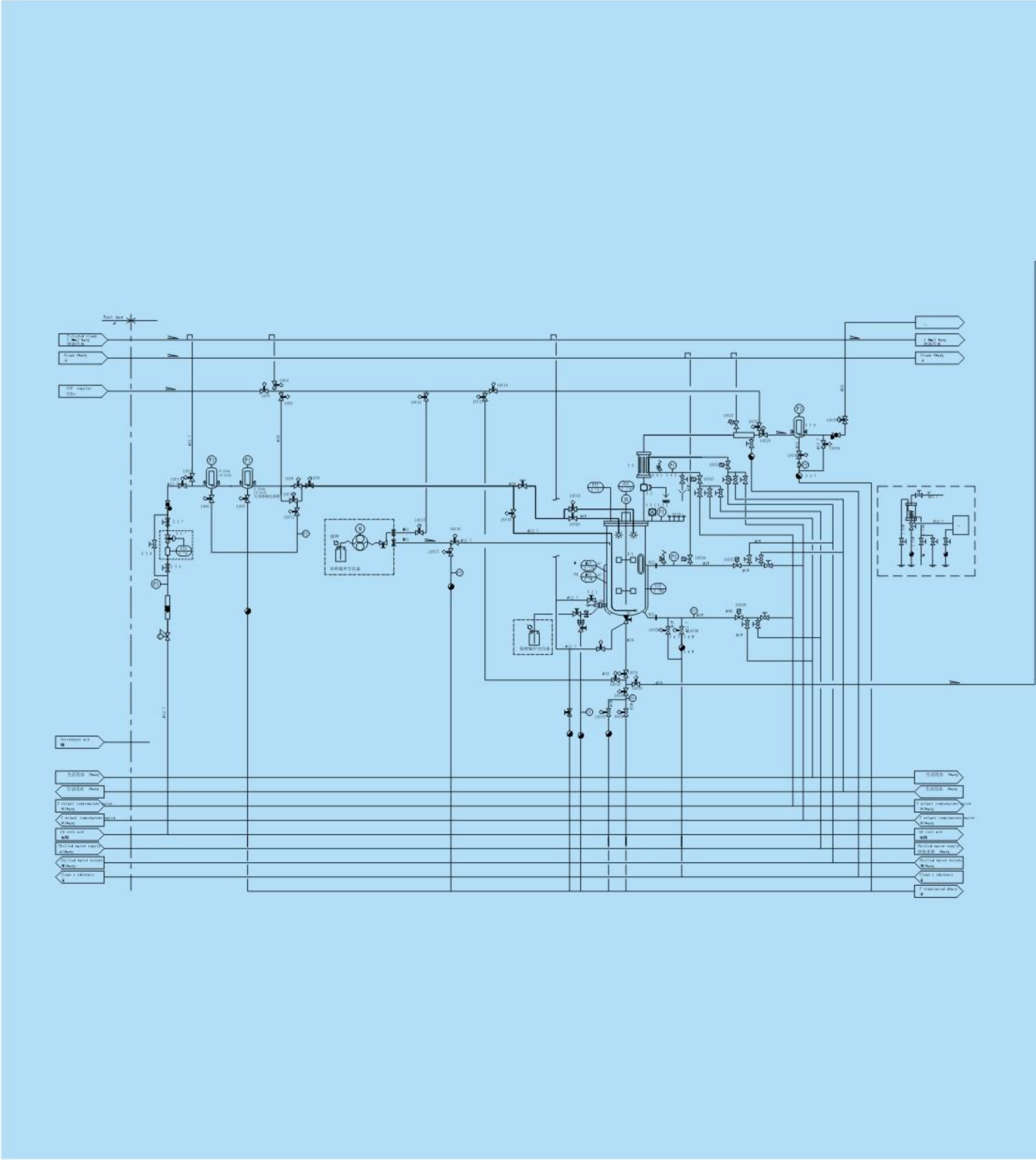
乳化系统工艺流程图

Emulsification
System Process Flow Diagram



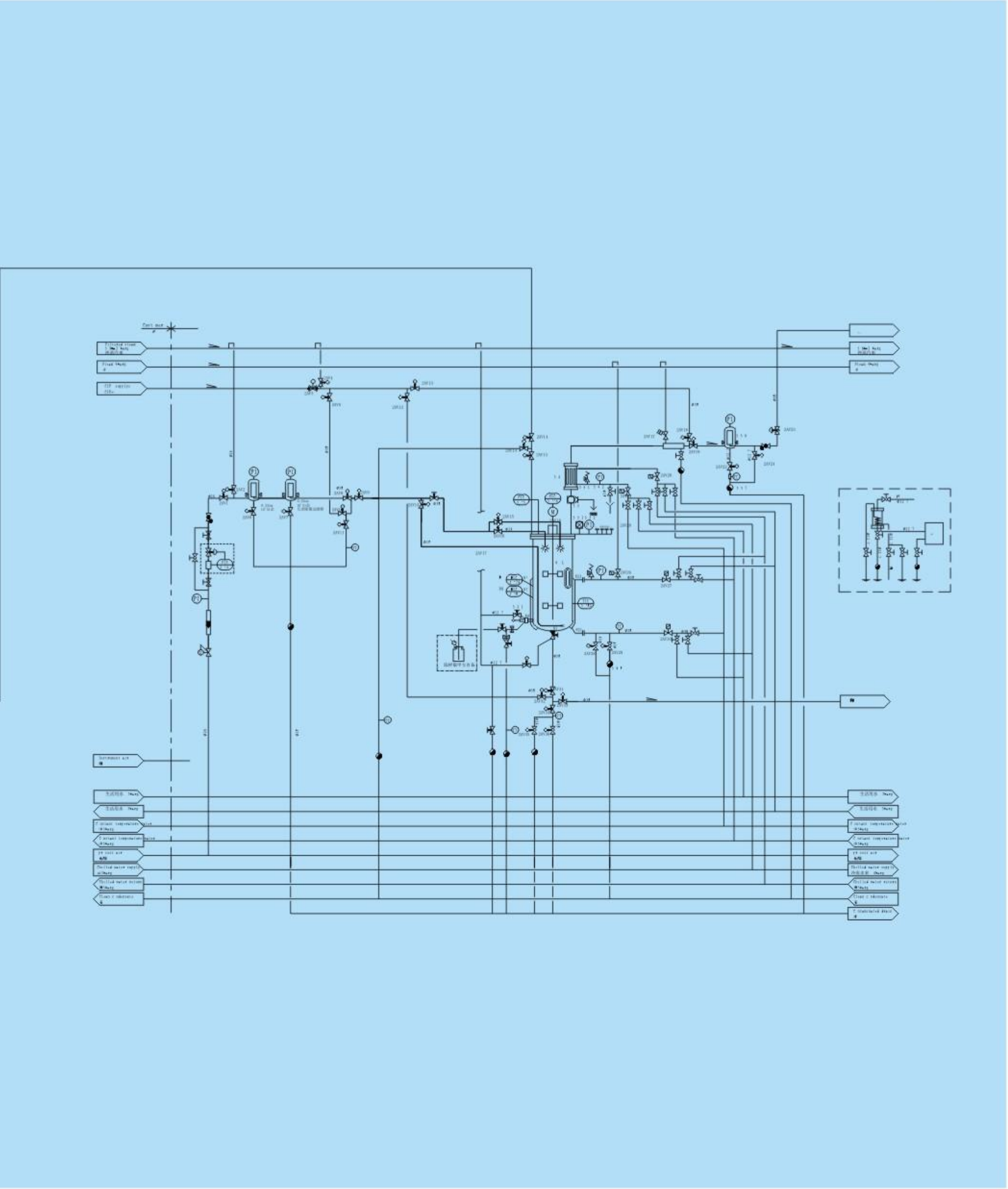
生物发酵罐工艺流程

Process flow
of biological fermentation tank



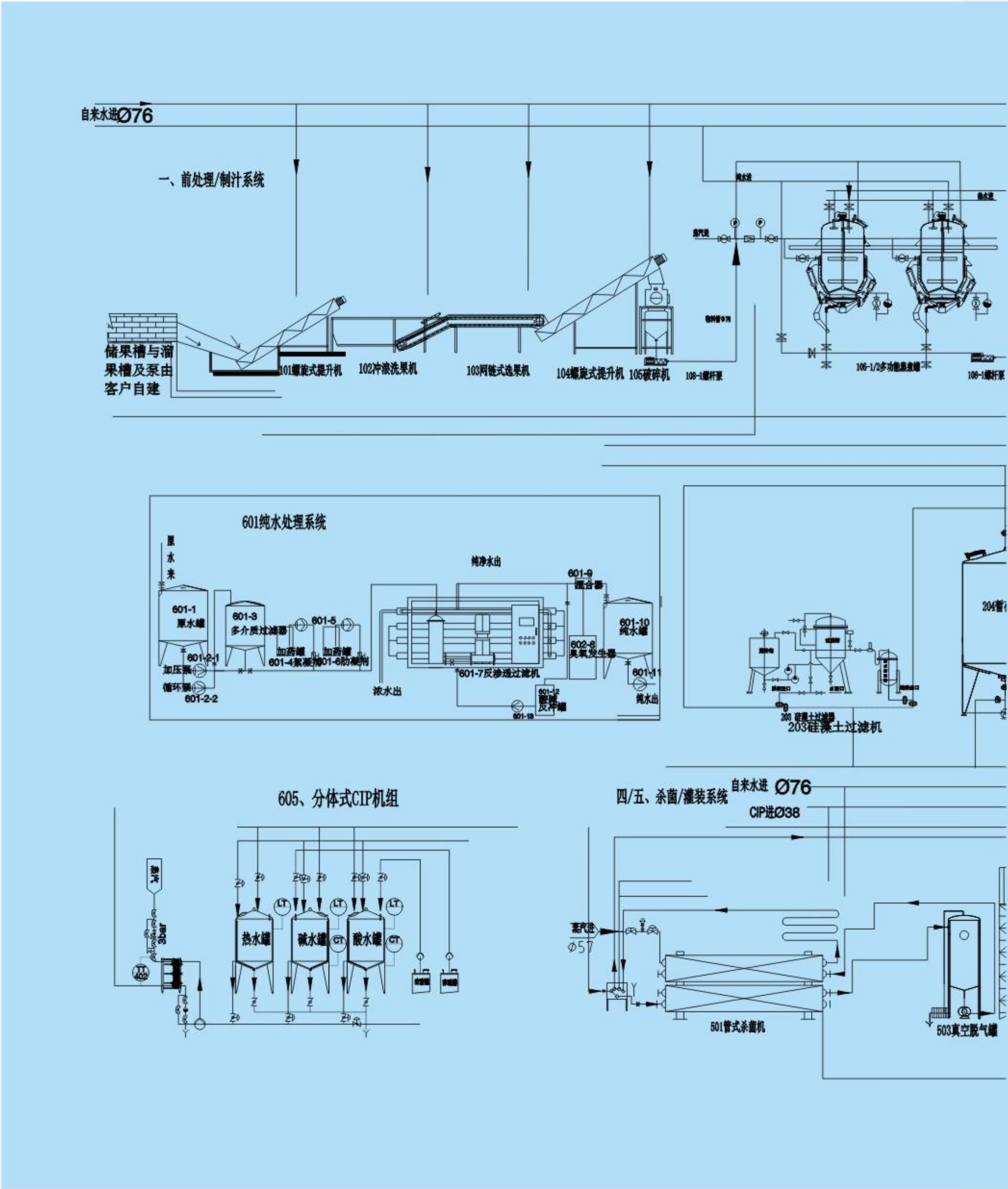
生物发酵罐工艺流程

Process flow
of biological fermentation tank



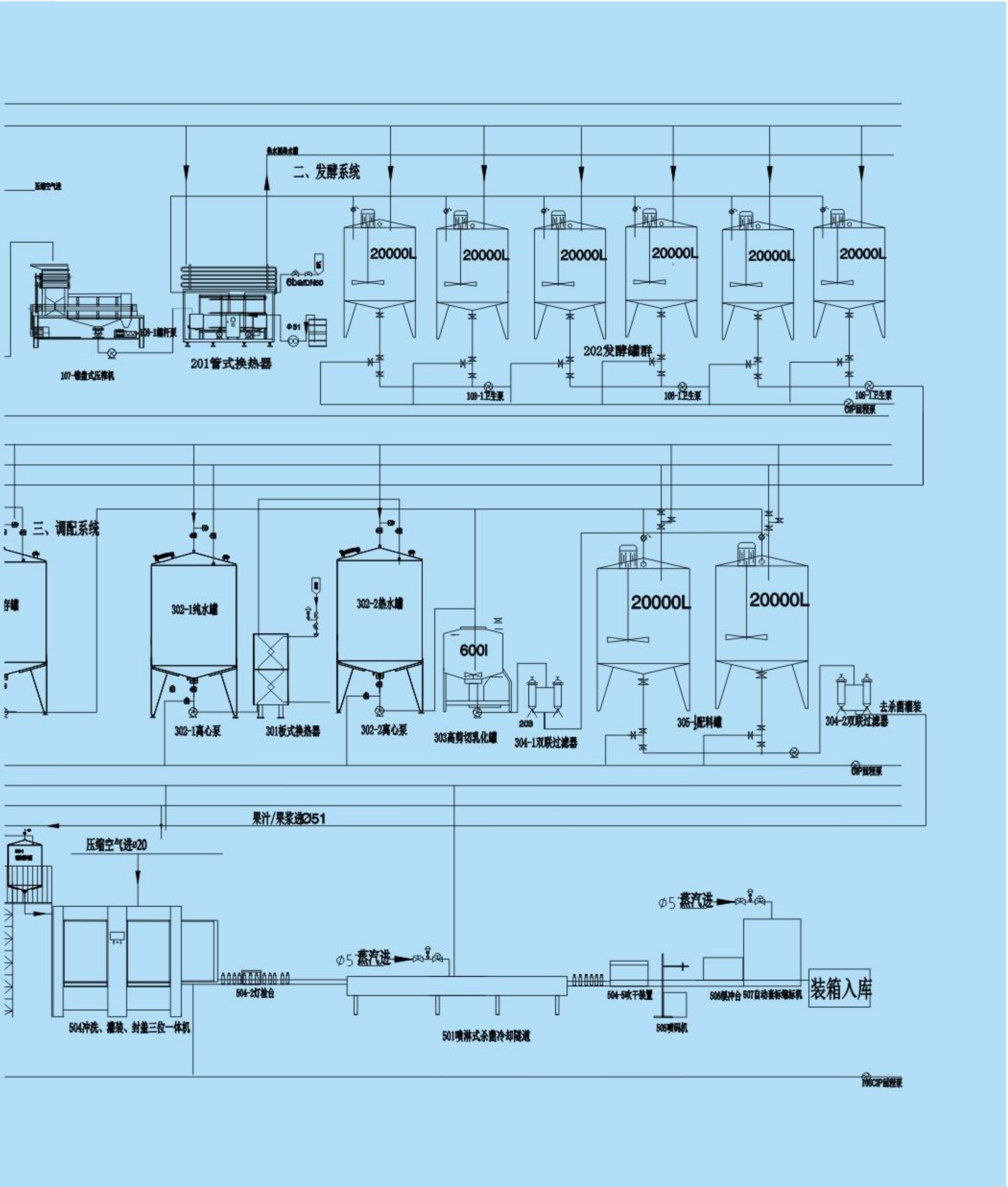
果醋工艺流程图

PROCESS FLOW
DIAGRAM



果醋工艺流程图

PROCESS FLOW
DIAGRAM





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辽阳市中敖机械设备有限公司	蜂蜜生产线及工程安装
石家庄市露特洁清洁用品有限公司	84生产线及工程安装
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洛阳昶淇农业开发有限公司	精油提取浓缩项目
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