



Food, beverage, pharmaceutical machinery  
manufacturing complete sets of equipment and installation



温州贝奇轻工机械有限公司  
WenZhou BKey Light Machinery Co.,Ltd.

By working with BKEY, you will be more competitive in the field of your industry.

## COMPANY PROFILE

Wenzhou Bkey Light Machinery Co.,Ltd. is a professional manufacturer of food、beverage、liquor、dairy and pharmaceutical industry equipment.We have 21 years of professional equipment design,production,installation,debugging team.

Our company owns domestic first-class equipment design technology and a group of professional technical personnel.We developed a new set of sanitary series fluid equipment in accordance with GMP standard.The sanitary stainless steel tank series,concentrated extraction series,high-precision pipe valve series and fully automatic CIP cleaning series are designed and produced in strict accordance with multiple standard of ISO、SMS、IDF、QB/T2003、3A ,etc.

To keep professional in quality and service is our company tenet.We will fulfill this principle in every business relation with our customer.



Prominent quality accomplishes the future

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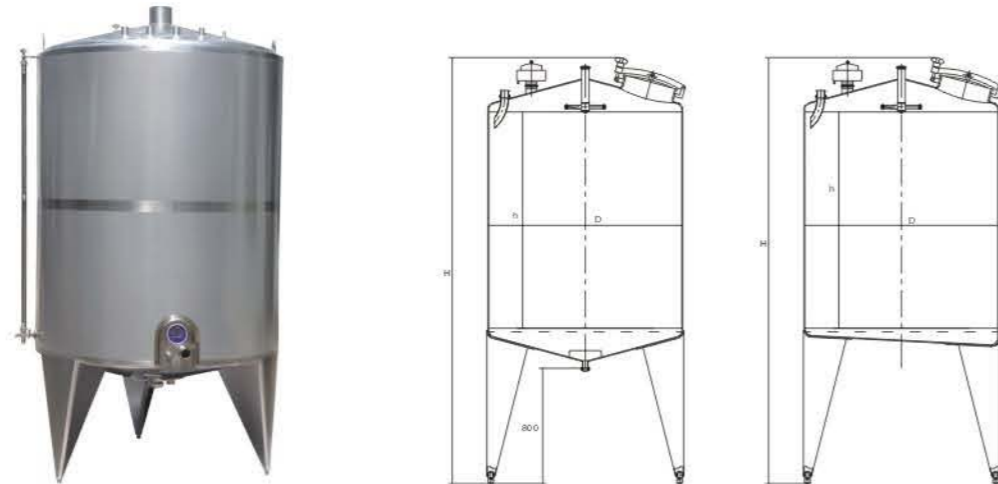


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## Single-layer Storage Tank



### Application

1. Used as liquid/water storage tank, mixing tank
2. Applied in food, dairy, juice & beverage, chemical & pharmaceutical, bioengineering industry

### Structural Feature

1. Single layer stainless steel structure
2. Sanitary level material
3. User-friendly design, easy to operate
4. Arc transition is adopted to ensure no dead corner inside the tank

### Technical Parameters

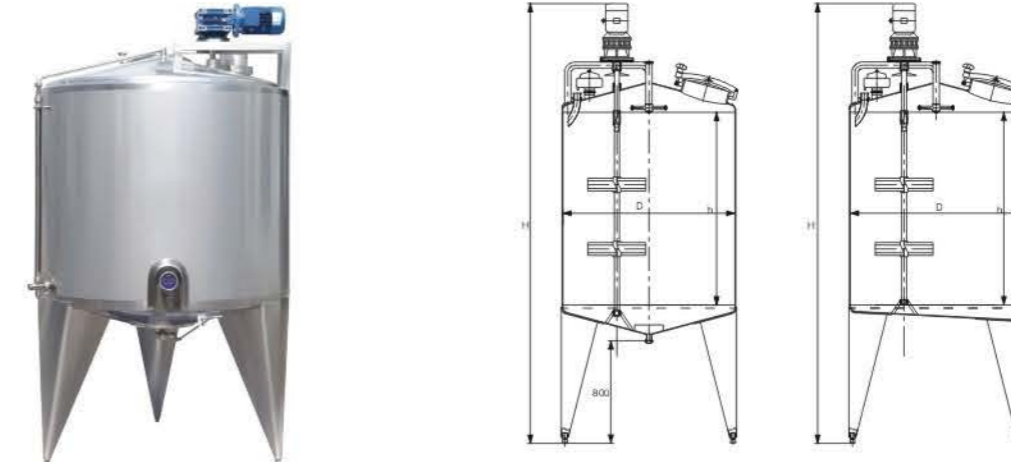
Volume	Dimension	Height	Inlet&Outlet Caliber
500	840x1000	2250	38
600	920x1000	2300	38
700	990x1000	2300	38
800	950x1220	2500	38
900	1010x1220	2500	38
1000	1060x1220	2550	51
1500	1160x1500	2850	51
2000	1340x1500	2900	51
3000	1410x2000	3400	51
4000	1620x2000	3450	51
5000	1810x2000	3500	51
6000	1980x2000	3550	51
7000	1930x2440	4000	51
8000	2060x2440	4000	51
9000	2180x2440	4050	51
10000	2300x2440	4050	51
12000	2270x3000	4600	51
15000	2530x3000	4700	51
20000	2640x3660	5400	51

If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

### Configuration

1. Quick open manhole
2. All kinds of CIP cleaning machine
3. Anti-flies respirator
4. Adjustable triangle leg
5. Detachable feeding tube kit
6. Thermometer (optional)
7. Ladder (optional)
8. Liquid level meter & liquid level control (optional)
9. Anti-vortex plate
10. Weighing function can automatically control the balance of ingredient (optional)

## Single-layer Paddle-type Storage Tank



### Application

1. Used as liquid/water storage tank, mixing tank
2. Applied in food, dairy, juice & beverage, chemical & pharmaceutical, bioengineering industry

### Structural Feature

1. Single layer stainless steel structure
2. Sanitary level material
3. User-friendly design, easy to operate
4. Arc transition is adopted to ensure no dead corner inside the tank

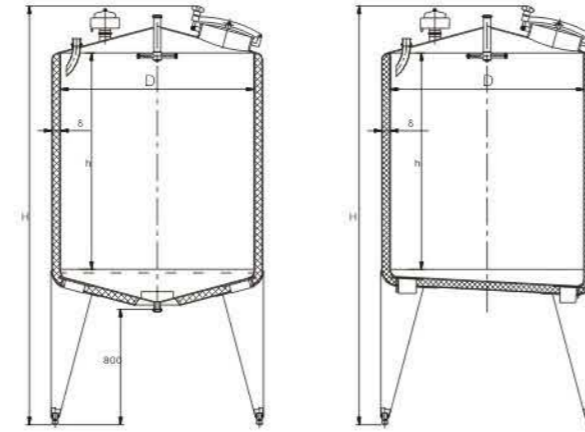
### Technical Parameters

Volume	Dimension	Height	Inlet&Outlet Caliber	Motor Power	Mixing Speed
500	840x1000	2750	38	0.55	Normal speed 35、43、60、 or Variable-speed reducer or double-speed reducer
600	920x1000	2850	38	0.55	
700	990x1000	2850	38	0.55	
800	950x1220	3000	38	0.55	
900	1010x1220	3000	38	0.55	
1000	1060x1220	3150	51	0.75	
1500	1160x1500	3350	51	0.75	
2000	1340x1500	3410	51	1.1	
3000	1410x2000	4000	51	1.5	
4000	1620x2000	4250	51	1.5	
5000	1810x2000	4300	51	2.2	
6000	1980x2000	4550	51	2.2	
7000	1930x2440	5000	51	2.2	
8000	2060x2440	5000	51	3	
9000	2180x2440	5050	51	3	
10000	2300x2440	5050	51	3	
12000	2270x3000	5600	51	4	
15000	2530x3000	5700	51	4	
20000	2640x3660	6400	51	5.5	

If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

Fluid processing and storing series

## Double-layer Storage Tank



### Application

- 1.Used as liquid/water storage tank,mixing tank
- 2.Applied in food,dairy,juice&beverage,chemical&pharmaceutical, bioengineering industry

### Structural Feature

- 1.Inner tank body and outer layer,with thermal insulation material filled in between
- 2.Sanitary level material
- 3.User-friendly design ,easy to operate
- 4.Arc transition is adopted to ensure no dead corner inside the tank

### Technical Parameters

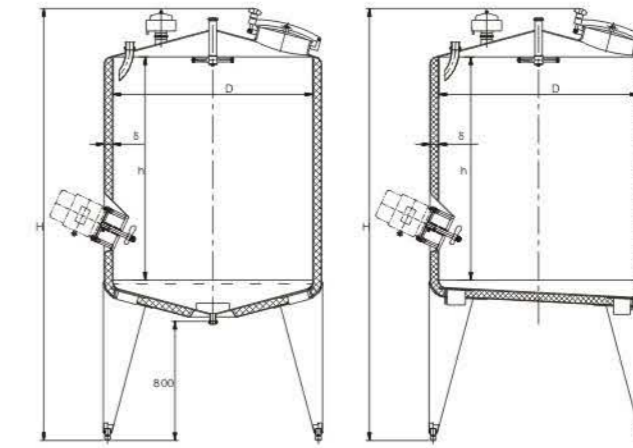
Volume	Dimension	Height	Inlet&Outlet Caliber	Insulating Layer
500	840x1000	2250	38	60
600	920x1000	2300	38	60
700	990x1000	2300	38	60
800	950x1220	2500	38	60
900	1010x1220	2500	38	60
1000	1060x1220	2550	51	60
1500	1160x1500	2850	51	60
2000	1340x1500	2900	51	60
3000	1410x2000	3400	51	60
4000	1620x2000	3450	51	60
5000	1810x2000	3500	51	60
6000	1980x2000	3550	51	60
7000	1930x2440	4000	51	60
8000	2060x2440	4000	51	60
9000	2180x2440	4050	51	60
10000	2300x2440	4050	51	60
12000	2270x3000	4600	51	60
15000	2530x3000	4700	51	60
20000	2640x3660	5400	51	60

If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

### Configuration

- 1.Quick open manhole
- 2.All kinds of CIP cleaning machine
- 3.Anti-flies respirator
- 4.Adjustable triangle leg
- 5.Detachable feeding tube kit
- 6.Thermometer(optional)
- 7.Ladder(optional)
- 8.Liquid level meter&liquid level control(optional)
- 9.Anti-vortex plate
- 10.Weighing function can automatically control the balance of ingredient(optional)

## Double-layer Side Mixer Storage Tank



### Application

- 1.Used as liquid/water storage tank,mixing tank
- 2.Applied in food,dairy,juice&beverage,chemical&pharmaceutical, bioengineering industry

### Structural Feature

- 1.Inner tank body and outer layer,with thermal insulation material filled in between
- 2.Sanitary level material
- 3.User-friendly design ,easy to operate
- 4.Arc transition is adopted to ensure no dead corner inside the tank

### Technical Parameters

Volume	Dimension	Height	Inlet&Outlet Caliber	Insulating Layer	Motor Power	Mixing Speed
1000	1060x1220	2550	51	60	0.75	960
1500	1160x1500	2850	51	60	1.1	960
2000	1340x1500	2900	51	60	1.1	960
3000	1410x2000	3400	51	60	1.5	960
4000	1620x2000	3450	51	60	1.5	960
5000	1810x2000	3500	51	60	2.2	960
6000	1980x2000	3550	51	60	2.2	960
7000	1930x2440	4000	51	60	3	960
8000	2060x2440	4000	51	60	3	960
9000	2180x2440	4050	51	60	3	960
10000	2300x2440	4050	51	60	3	960
12000	2270x3000	4600	51	60	4	960
15000	2530x3000	4700	51	60	4	960
20000	2640x3660	5400	51	60	5.5	960

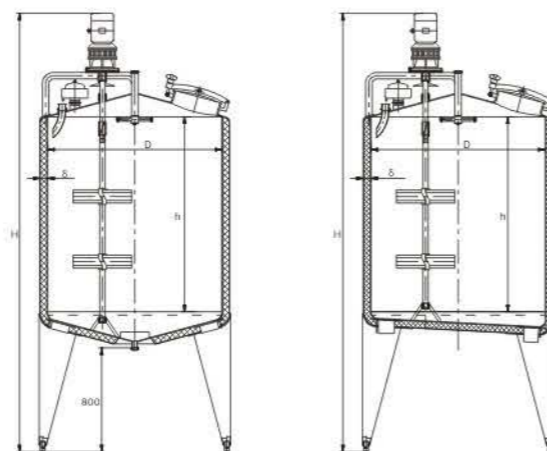
If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

### Configuration

- 1.Quick open manhole
- 2.All kinds of CIP cleaning machine
- 3.Anti-flies respirator
- 4.Adjustable triangle leg
- 5.Detachable feeding tube kit
- 6.Thermometer(optional)
- 7.Ladder(optional)
- 8.Propeller side mixer
- 9.Liquid level meter&liquid level control(optional)
- 10.Anti-vortex plate
- 11.Weighing function can automatically control the balance of ingredient(optional)

Fluid processing and storing series

## Double-layer Vertical Storage Tank



### Application

- 1.Used as liquid/water storage tank,mixing tank
- 2.Applied in food,dairy,juice&beverage,chemical&pharmaceutical, bioengineering industry

### Structural Feature

- 1.Inner tank body and outer layer,with thermal insulation material filled in between
- 2.Sanitary level material
- 3.User-friendly design ,easy to operate
- 4.Arc transition is adopted to ensure no dead corner inside the tank

### Technical Parameters

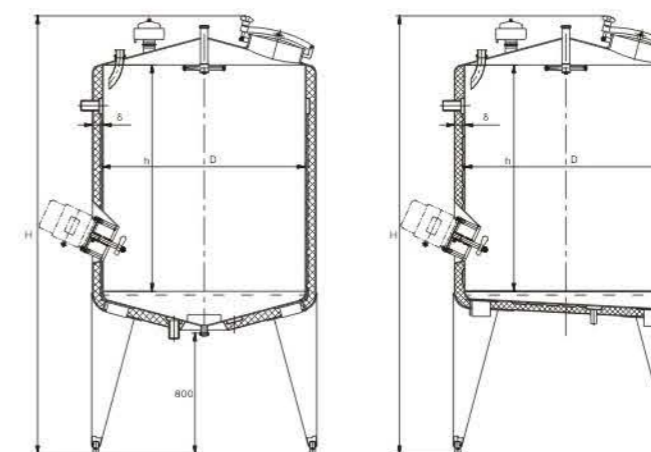
Volume	Dimension	Height	Inlet&Outlet Caliber	Insulating Layer	Motor Power	Mixing Speed
500	840x1000	2750	38	60	0.55	Normal speed 35、43、60, or Variable-speed reducer or double-speed reducer
600	920x1000	2850	38	60	0.55	
700	990x1000	2850	38	60	0.55	
800	950x1220	3000	38	60	0.55	
900	1010x1220	3000	38	60	0.55	
1000	1060x1220	3150	51	60	0.75	
1500	1160x1500	3350	51	60	0.75	
2000	1340x1500	3410	51	60	1.1	
3000	1410x2000	4000	51	60	1.5	
4000	1620x2000	4250	51	60	1.5	
5000	1810x2000	4300	51	60	2.2	
6000	1980x2000	4550	51	60	2.2	
7000	1930x2440	5000	51	60	2.2	
8000	2060x2440	5000	51	60	3	
9000	2180x2440	5050	51	60	3	
10000	2300x2440	5050	51	60	3	
12000	2270x3000	5600	51	60	4	
15000	2530x3000	5700	51	60	4	
20000	2640x3660	6400	51	60	5.5	

If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

### Configuration

- 1.Quick open manhole
- 2.All kinds of CIP cleaning machine
- 3.Anti-flies respirator
- 4.Adjustable triangle leg
- 5.Detachable feeding tube kit
- 6.Thermometer(optional)
- 7.Ladder(optional)
- 8.Vertical mixer(paddler mixer or frame mixer is optional)
- 9.Anti-vortex plate
- 10.Weighing function can automatically control the balance of ingredient(optional)

## Triple-layer Side Mixer Hot and Cold Cylinder



### Application

- 1.Used as liquid/water storage tank,mixing tank
- 2.Applied in food,dairy,juice&beverage,chemical&pharmaceutical, bioengineering industry

### Structural Feature

- 1.Inner tank body, jacket and outer layer,with thermal insulation material filled in between
- 2.Sanitary level material
- 3.User-friendly design ,easy to operate
- 4.Arc transition is adopted to ensure no dead corner inside the tank

### Technical Parameters

Volume	Dimension	Height	Inlet&Outlet Caliber	Insulating Layer	Motor Power	Mixing Speed
1000	1060x1220	2550	51	60	1.1	960
1500	1160x1500	2850	51	60	1.1	960
2000	1340x1500	2900	51	60	1.1	960
3000	1410x2000	3400	51	60	1.5	960
4000	1620x2000	3450	51	60	1.5	960
5000	1810x2000	3500	51	60	2.2	960
6000	1980x2000	3550	51	60	2.2	960
7000	1930x2440	4000	51	60	3	960
8000	2060x2440	4000	51	60	3	960
9000	2180x2440	4050	51	60	4	960
10000	2300x2440	4050	51	60	4	960
12000	2270x3000	4600	51	60	5.5	960
15000	2530x3000	4700	51	60	5.5	960
20000	2640x3660	5400	51	60	5.5	960

If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

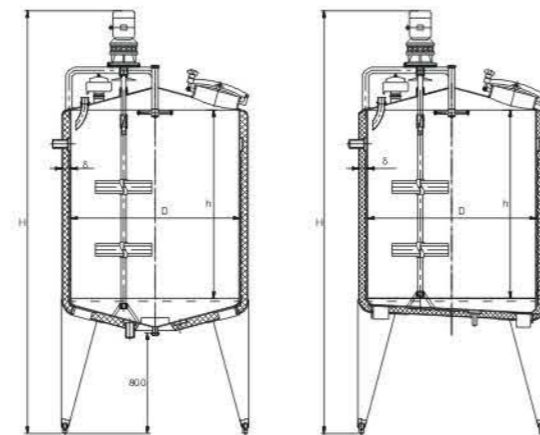
### Configuration

- 1.Quick open manhole
- 2.All kinds of CIP cleaning machine
- 3.Anti-flies respirator
- 4.Adjustable triangle leg
- 5.Detachable feeding tube kit
- 6.Thermometer(optional)
- 7.Ladder(optional)
- 8.Side mixer
- 9.Jacket(miller board or hollow jacket or coil jacket is optional)
- 10.Liquid level meter&liquid level control(optional)
- 11.Anti-vortex plate
- 12.Weighing function can automatically control the balance of ingredient(optional)



Fluid processing and storing series

## Triple-layer Vertical Hot and Cold Cylinder



### Application

- 1.Used as mixing tank,fermentation tank, sterilization tank,aging tank
- 2.Applied in food,dairy,juice&beverage,chemical&pharmaceutical, bioengineering industry

### Structural Feature

- 1.Inner tank body and outer layer,with thermal insulation material filled in between
- 2.Sanitary level material
- 3.User-friendly design ,easy to operate
- 4.Arc transition is adopted to ensure no dead corner inside the tank

### Technical Parameters

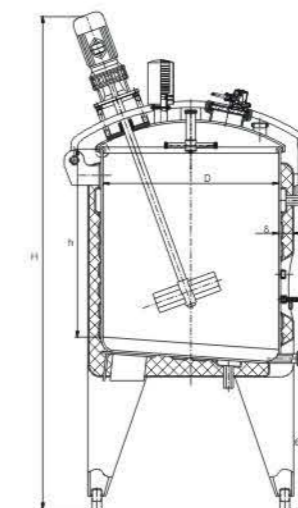
Volume	Dimension	Height	Inlet&Outlet Caliber	Insulating Layer	Motor Power	Mixing Speed
500	840x1000	2750	38	60	0.55	Normal speed 35、43、60、 or Variable-speed reducer or double-speed reducer
600	920x1000	2850	38	60	0.55	
700	990x1000	2850	38	60	0.55	
800	950x1220	3000	38	60	0.55	
900	1010x1220	3000	38	60	0.55	
1000	1060x1220	3150	51	60	0.75	
1500	1160x1500	3350	51	60	0.75	
2000	1340x1500	3410	51	60	1.1	
3000	1410x2000	4000	51	60	1.5	
4000	1620x2000	4250	51	60	1.5	
5000	1810x2000	4300	51	60	2.2	
6000	1980x2000	4550	51	60	2.2	
7000	1930x2440	5000	51	60	2.2	
8000	2060x2440	5000	51	60	3	
9000	2180x2440	5050	51	60	3	
10000	2300x2440	5050	51	60	3	
12000	2270x3000	5600	51	60	4	
15000	2530x3000	5700	51	60	4	
20000	2640x3660	6400	51	60	5.5	

If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

### Configuration

- 1.Quick open manhole
- 2.All kinds of CIP cleaning machine
- 3.Anti-flies respirator
- 4.Adjustable triangle leg
- 5.Detachable feeding tube kit
- 6.Thermometer(optional)
- 7.Ladder(optional)
- 8.Side mixer
- 9.Jacket(miller board or hollow jacket or coil jacket is optional)
- 10.Liquid level meter&liquid level control(optional)
- 11.Anti-vortex plate
- 12.Weighing function can automatically control the balance of ingredient(optional)

## Bacteria-culturing Tank



### Application

- 1.Culture the leavening agent for yogurt making
- 2.Applied in food,dairy,juice&beverage,chemical&pharmaceutical, bioengineering industry

### Structural Feature

- 1.Inner tank body, jacket and outer layer,with thermal insulation material filled in between
- 2.Sanitary level material
- 3.User-friendly design ,easy to operate
- 4.Arc transition is adopted to ensure no dead corner inside the tank
- 5.Top seal adopt spiral opening,completely sealed structure for over 400 liter tank

### Configuration

- 1.Aseptic respirator
- 2.Thermometer(optional)
- 3.CIP cleaning machine
- 4.Inlet for strain
- 5.Adjustable triangle leg
- 6.Mixer
- 7.Jacket(miller board or hollow jacket or coil jacket is optional)
- 8.Light hole view mirror(optional)
- 9.Sampling valve
- 10.Weighing function can automatically control the balance of ingredient(optional)

### Technical Parameters

Volume	Dimension	Height	Inlet&Outlet Caliber	Insulating Layer	Motor Power	Mixing Speed
100	600x550	1700	38	50	0.45	40
200	700x800	1850	38	50	0.55	40
300	800x750	2100	38	50	0.55	40
400	800x800	2150	38	50	0.55	40
500	840x1000	2300	38	50	0.75	40
600	900x1000	2300	38	50	0.75	40

If customers request specific requests, the product can be customized according to customer requirements. The total height is obtained by basing on the height of the discharge port 800MM. If the height of the outlet is changed, the total height should be adjusted accordingly.

## Fruit Wine Fermentation Tank



### Introduction

Fermentation tanks are widely used in food and biological fermentation industry. Equipment are made of high quality stainless steel, mechanical mixer or air mixer is optional. High dissolved oxygen rate and good mixing result. Automatic cleaning is equipped to ensure the production process meets the requirements of GMP.

### Fermentation Tank

The fermentation tank has such advantages as energy-saving, corrosion resistance, strong productivity, easy to clean and simple structure, etc. It is the ideal equipment for food fermentation and pharmaceutical industry. The equipment consists of pot body, top seal, bottom seal, inlet & outlet, agitator (optional), CIP cleaning head, respirator, miller board (or jacket), etc., bioengineering industry.

### Technical Parameters

Parameter	Model	FJ0.1	FJ0.2	FJ0.5	FJ1	FJ2	FJ5	FJ10	FJ20	FJ50
Volume		100	200	500	1000	2000	5000	10000	20000	50000
Diameter		400	500	700	900	1200	1500	1800	2300	3100
Height		2000	2300	2650	2900	3800	4480	5250	6550	8550
Inside pressure		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Jacket pressure		0.3	0.3	0.3	0.2	0.3	0.3	Pipe 0.3	Pipe 0.3	Pipe 0.3
Number of mixing paddle		2	2	2	2	2	3	3	4	4
Mixing speed		400	360	265	220	180	160	145	125	110
Motor power		0.55	0.75	1.1	1.5	3	5.5	7.5	7.5	11
Cooling method		Jacket						Additional tube heat exchanger		

If customers request specific requests, the product can be customized according to customer requirements.

## Fermentation Tank



### Introduction

Liquid Vinegar Fermentation Tank:  
 Adopt stable performed water circulation cooling system, low running noise, small vibration, and uniform gas dispersion. It is the ideal equipment for making vinegar, vinegar drink, and fruit vinegar.

This machine has high efficiency, simple operation, compact structure, stable operation and long service life. It will take place of the traditional production way of high-intensity labor force and bad working condition.

Equipment specification: 13m<sup>3</sup>-140m<sup>3</sup>

Annual Production Capacity: 50t-9000t/a

## High Speed Mixing Cylinder



### Introduction

It's the most advanced emulsification equipment in China. It owns the advantages of reasonable structure, high quality, light in weight, high productivity, easy to clean and operate. This equipment is essential for dairy and pharmaceutical industry.

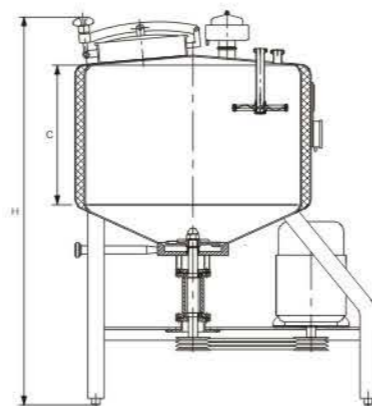
Fluid processing and storing series

### High Speed Emulsification Tank



High-efficiency mixing of sugar, starch, powdered milk with emulsifier or stabilizing agent or thickening agent by high speed rotation of the bottom impeller to get material mixed, crushed and sheared. This equipment is usually used in processing ingredient for yogurt, formula milk, beverage, ice cream, omelet and waffles.

In the structural design, we adopt circular arc transition to guarantee sanitary. Meanwhile, we continuously make technical innovations to lengthen equipment service life and make it cost-saving for customers.



#### Technical Parameters

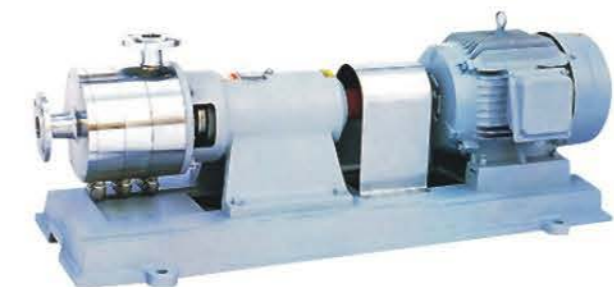
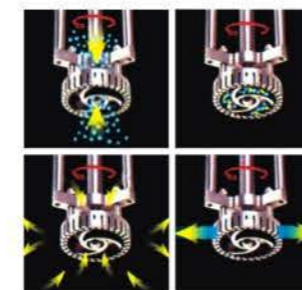
Volume	Inner Length	Inner Width	Inner Height	Height	Insulating Layer	Motor Power	Rotation rate
400	900	900	550	1700	50	5.5	1460
600	1000	1000	650	1850	50	7.5	1460
800	1050	1050	750	1950	50	11	1460
1000	1150	1150	750	2000	50	15	1460

If customers request specific requests, the product can be customized according to customer requirements.

### High Shear Emulsification Tank



It is now the most advanced mixing equipment in dairy, beverage and food industry. It combines functions of mixing, emulsifying, dissolving and grinding.



Emulsification Pump

#### Technical Parameters

Volume	Dimension	Height	Insulating Layer	Motor Power	Mixing Speed
1000	1060x1220	2950	60	7.5	2880
2000	1340x1500	3400	60	11	2880
3000	1410x2000	3900	60	15	2880
4000	1620x2000	4030	60	18.5	2880
5000	1810x2000	4130	60	22	2880

If customers request specific requests, the product can be customized according to customer requirements.

## Direct Milk Cooling Storage Tank

- 1.High quality stainless steel SUS 304.
- 2.Adopt imported refrigeration compressor unit ,high performance,energy-saving and full-closed compressor.
- 3.Automatic control ,raw milk cooled to <4 °C rapidly and maintain a constant temperature to prevent bacterial breeding.
- 4.Automatic circulating CIP spray cleaning device.



Technical Parameters

### Technical Parameters

Volume	Refrigerating Capacity(W)	Mixing Speed	Shape Size
1000	8150	36r/min	2000x1150x1600
2000	13400	36r/min	2200x1450x1750
3000	16300	36r/min	2600x1660x1700
5000	32000	36r/min	3250x1900x1800
6000	32000	36r/min	3570x2000x1850
8000	42800	36r/min	3900x2150x2050
10000	56200	36r/min	4200x2300x2200

## Double-layer Storage Tank



### Structural Feature

- 1.Inner tank body and outer layer,with thermal insulation material filled in between
- 2.Jacket cooling design to ensure dairy quality
- 3.Unique manhole design,user-friendly
- 4.Arc transition is adopted to ensure no dead corner inside the tank

### Configuration

- 1.T type cleaning device
- 2.Ventilator
- 3.Sampling valve
- 4.Manhole
- 5.Side agitator
- 6.Jacket(optional)
- 7.Thermometer(optional)
- 8.Pressure sensor(optional)
- 9.Liquid level transmitter(or controlled by PLC)
- 10.Ladder and platform



### Technical Parameters

Volume	Dimension	Height	Insulating Layer	Inlet&Outlet Caliber	Motor Power	Mixing Speed
(L)	(mmxmm)	(mm)	(mm)	(mm)	(kW)	(R/min)
20000	2260x5600	7000	100	51	5.5	960
30000	2800x5600	7500	100	51	5.5	960
50000	2800x5600	7500	100	51	5.5	960
60000	3000x9500	11100	100	51	5.5	960
100000	3400x11000	12600	100	51	5.5X2	960
120000	3400x13500	15100	100	51	5.5X2	960

## Milk Collecting and Measuring Equipment

Milk collecting and measuring equipment are used to weigh fresh milk, quick and sensitive milk releasing mechanism can improve the efficiency of milk collection. Filter screen is used to prevent impurities mixed in fresh milk.



## Stainless Steel Milk Barrel    Pasteurized Milk Sterilizing Tank



## Colloid Mill



Horizontal Colloid Mill    Vertical Colloid Mill

By strong shear force, friction and high frequency vibration, material processed to be dispersed, crushed, emulsified and homogenized without losing the original activity of raw material.

## Water Powder Mixer



This equipment is specially designed for dairy and beverage enterprise to mix solid and liquid object, such as dissolve syrup, sorbitol, glucose, blend coco powder and white granulated sugar into milk, etc. This equipment is advanced in design, well-made, high productive and durable.

## High Pressure Homogenizer    Vacuum Degasser



It is a dedicated equipment for liquid material homogenizing and high-pressure conveying. It's widely used in food, dairy, beverage, pharmaceutical and bioengineering industry.



Vacuum degasser is also called degassing tank, it normally used for vacuum degassing of fruit juice to inhibit oxidation and browning of fruit juice, and for reducing foaming when filling into bottles, improving the germicidal efficacy and reducing the corrosion inside the container. This degassing step is usually takes place after homogenizing, sometimes before filling.

## Jacketed Kettle

### Application

The Stainless Steel Jacketed Kettle is also called double-layered steam cauldron which is applied widely for processing such products as candy, medicine, dairy, alcohol, cake, beverage, meat, etc. It is also used to boil water, cook, stew, boil porridge in great scale dining-room or eatery, which is an ideal equipment in food processing to advance quality, shorten time, improve labor condition.

### Feature

Given the huge variety of different applications and customer requirements, most jacketed kettle are customized to meet individual customer needs. (Working pressure of the jacket, motor power, heating power and impeller structure can be customized according to customer's requirements)

1. Large heating area and uniform heating
2. Short heating time, temperature is easy to control
3. Beautiful appearance, easy to install
4. Safe and convenient to operate (equipped with pressure gauge, safety valve and electric cabinet)
5. Environmentally friendly: no dust, no smoke, no pollution and energy-saving

### Material

Stainless Steel (SUS 304) for inner pot, jacket, carbon steel for bracket, with anti rust paint external.  
 Capacity: 50 L/100L/200L/300L/400L/500L/600L/700L/800L/900L/1000L  
 Type: tilting (manual, maximum tilting 90 degrees) or vertical (stationary)  
 Agitator: optional  
 Heating Mode: Steam heating/Electric heating/Gas heating



### Technical Parameters

Capacity	50	100	150	200	300	400	500	600
Working Pressure	0.3~0.09							
Evaporation Capacity	30	40	50	65	75	100	150	180
Heating Area	0.4	0.45	0.76	1.0	1.15	1.44	1.90	2.4
Energy Consumption	33	44	55	72	90	110	165	200
Equipment Weight	170	190	210	230	320	360	485	580
W	720	800	1350	1400	1450	1500	1600	1700
Shape Size H	600	650	660	700	800	850	900	1100
L	830	950	1000	1100	1110	1140	1150	1200



## Centrifugal Machine

It is a necessary separation equipment for dairy processing enterprises, condiment industry and food industry. Solid-liquid separation is achieved by high speed rotating centrifugal force.

Separation Ability(L/h)	FL(1000-5000)	Separation Speed(r/min)	6650
Average Inner Diameter(mm)	Φ 200	Motor Power(kw)	7.5
Number of Separated Pieces	47 ± 2	Dimensions(mm)	1200x750x1320
Separation Factor	4949	Weight(kg)	650



## Plate Heat Exchanger

It is a high-effective and energy-saving equipment for heat transferring. It has the characteristics of high efficiency of heating, high operational flexibility, light in weight and long service life, etc.



1. Adopt four-angle positioning technology, safe, reliable and durable
2. Advanced frame design technology ensure no distortion
3. Adopt thermal mixing design technology to optimize heat exchange



## CIP Cleaning System



CIP cleaning system is one of the prerequisites for hygiene standards in food and drug production. It can eliminate cross contamination of active components as well as contamination of products by microorganisms and heat sources.

### Feature

#### Flexible&Versatile

Either pickling/alkali washing /hot water washing alone ,or automatic cleaning based on specific cleaning procedure is possible.Semi-auto and automatic control system can be customized according to your needs.

#### Economical&High-efficient

Compared with manual cleaning,CIP cleaning system can greatly reduce cleaning time and improve work efficiency.Meanwhile, less cost of cleaning can achieve by reasonable dosage of detergent and water and smaller steam consumption.

#### Safe&Reliable

Concentrated acid and alkali stays in underground container.Automatic liquid level control and overflow protection system.

#### Mature PLC Control System

Years of experience coupled with imported high-quality control device can ensure long-term and stable operation of the system.Friendly man-machine interface can directly display the working status of the key parts of the equipment.

## Small Integrated CIP System



Either pickling/alkali washing /hot water washing alone ,or automatic cleaning based on specific cleaning procedure is possible.Semi-auto and automatic control system can be customized according to your needs.



Diaphragm Pump

### Technical Parameters

Model	JCIP-1	JCIP-2
Acid Tank	1000L Coil Heating	2000L Coil Heating
Alkali Tank	1000L Coil Heating	2000L Coil Heating
Pitcher	800L Coil Heating	1600L Coil Heating
Pump Flow	10m <sup>3</sup> /h	10m <sup>3</sup> /h
Pump Head	36m	36m
Pump Power	3kw	3kw
Shape Size	3000x1200x1850mm	3200x1400x2000mm
Weight	420kg	480kg

## Vinegar Fermenting Machine

### Application

It is the dedicated device for vinegar making process.

### Feature

- 1.High degree of automation,help to improve production efficiency
- 2.Easy to move
- 3.Stainless steel,corrosion resistance
- 4.Easy to operate and maintain



### Technical Parameters

Parameter	Parameter Values
Vinegar Fermented Pond(mm)	1500x800 (Customizable by user requirements)
Hopper Capacity(m³)	0.011
Maximum Amount of Processing(m³/h)	120
Walking Speed(m/min)	1.2
Total Power(kw)	4.3 kw
Gyraticn Speed of Bucket Frame(s)	8
Weight(kg)	1080
Size(mm)	2000x1960x800

## Distiller's Yeast Machine

### Application

Mainly used for making yeast/koji through fermentation.

### Feature

- 1.Yeast is loosened and permeable
- 2.Add push plate to reduce spores flying



### Technical Parameters

Number of Stranded Dragons(Group)	8	
Speed of Roll Out (m/min)	3	
Air Distance Speed (m/min)	14	
Suitable Width of Pool (mm)	2000	
Suitable for the Depth of the Pool (mm)	450	
Hoist Stroke (mm)	500	
Total Power (kw)	9	
Entry Mode	Lifting、Move	
Size (mm)	L	2350
	W	980
	H	1050
Weight (kg)	950	

## Elevator



### Stainless Steel Chain-plate Elevator

- 1.Used for lifting and conveying raw material0.5-20T/h
- 2.Ininitely variable speed
- 3.Spray rinsing device is optional



### Stainless Steel Spiral-type Elevator

- 1.Production capacity
- 2.Spiral diameter
- 3.Elevator height is adjustable

### Plastic Scraper Hoist





## Conveying Machine

### Stainless Steel Chain-plate Conveyor



#### Structure

CVT motor speed reducer works for power transmission, according to the different process, it can be divided into turning type and linear type.

### Stainless Steel Bend Conveyor



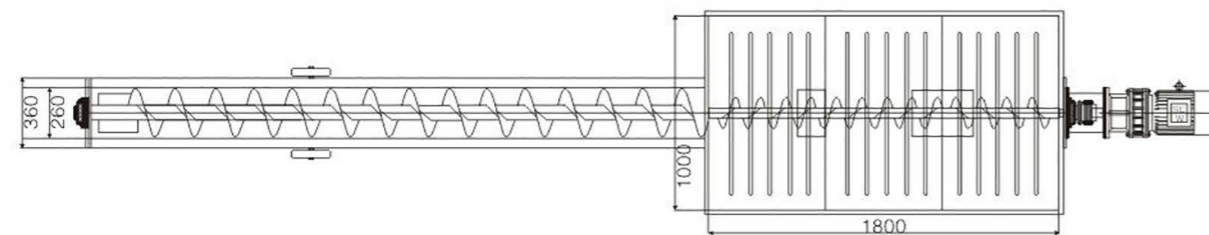
#### Material

Carbon steel, stainless steel, thermoplastic chain. You can choose the plate with different width and shape according to your product.

## Stainless Steel Mixing Machine



1. Simple structure, Well-sealed, easy to operate
2. Widely used in food processing, condiment processing, etc.



## Cleaning and Picking Series

### Bubble Cleaning Machine

Under the combined action of bubbles, surfing, lifting and spraying, the equipment has the characteristics of cleaning, energy saving and water saving, and stable and reliable equipment.

1. Suitable for fruit & vegetable cleaning
2. Water can be reused after filtration
3. Self-elevating
4. Design according to requirements of fruit & vegetable processing



### Bubble Brush Cleaning Machine

Fruit & vegetable rotate constantly during cleaning process. Water can be reused after filtration. Self-elevating.



### Brush Cleaning & Peeling Machine

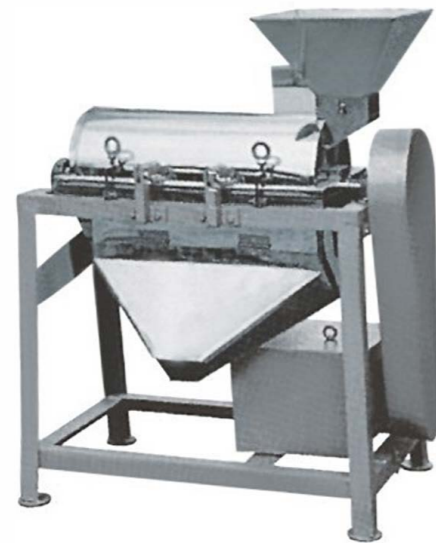
This equipment is designed for scrubbing rounded, long-shape fruit & vegetable or peeling for steeped in lye fruit & vegetable.

1. seven brush sticks
2. Special high pressure spray head
3. Hardness of brush hair is adjustable



Fruits & vegetables pretreatment equipment series

### Single Track Beating Machine



#### Application

This equipment is suitable for beating and separation of precooked fruits like tomato, kiwi, strawberry, apple, pear, etc.

#### Feature

1. Automatic separation of fruit pomace and fruit syrup
2. Can work alone or within production line
3. Good quality stainless steel to ensure hygiene

#### Technical Parameters

Model	Power	Voltage	Size	Net Weight
TZ-DJ	1.5(kw)	380(v)	1000x830x948(mm)	274(kg)

#### Technical Parameters

Model	DJ2-4.0	DJ2-7	DJ2-10
Processing Capacity	2000-4000	5000-7000	8000-10000
Power (kw)	7.5	15	22
Rotation Rate(r/min)	860	860	860
Size (mm)	1535 x 1420 x 1533	1935 x 1420 x 1600	2200 x 1500 x 2200

### Double-track Beating Machine



#### Application

This equipment is suitable for peeling & removing seeds & beating & refining of precooked food like tomato, strawberry, banana, hawthorn, etc.

### Juice Extractor



#### Application

Used for squeezing tomatoes, pineapples, apples and oranges and other fruit and vegetable juices.

#### Feature

1. Handling capacity: 1.5 T/ h
2. Spiral diameter: 175 mm
3. Spiral speed:
4. Filter screen aperture
5. Motor power
6. Weight
7. Dimension

#### Technical Parameters

Power	Voltage	Size
4(kw)	380(v)	100x600x1500(mm)

#### Technical Parameters

Processing Capacity	Power	Size	Voltage	Net Weight
0.5-1.5吨/时 <small>(Depending on the different raw materials)</small>	5.5KW	1560 x 450 x 1340mm	380(V)	375(kg)

### Crusher



#### Application

This equipment is suitable for crushing berry fruit & kernel fruit. Broken pieces are about 5-8 mm.  
 Berry fruit: tomato, kiwi, carrot, mulberry, papaya, etc.  
 Kernel fruit: apple, pear, etc.

## Fruits & vegetables pretreatment equipment series

### Roller Fruit Picking Machine

Roller material: 304 stainless steel pipe or PVC pipe.  
Disqualified fruit and vegetable will be sent away by a waste conveyer after free rotation of fruit and vegetable on the roller, along with manual picking.

Spray cleaning device can be added to the machine.  
Production capacity:2-30 T/h



### Chain Bucket Precooking Machine

This machine is used to precook vegetables,automatically temperature control,time of precooking is adjustable.

Production capacity:50-100kg/h  
Matched power:1.5kw  
Dimension:10500×750×2000mm



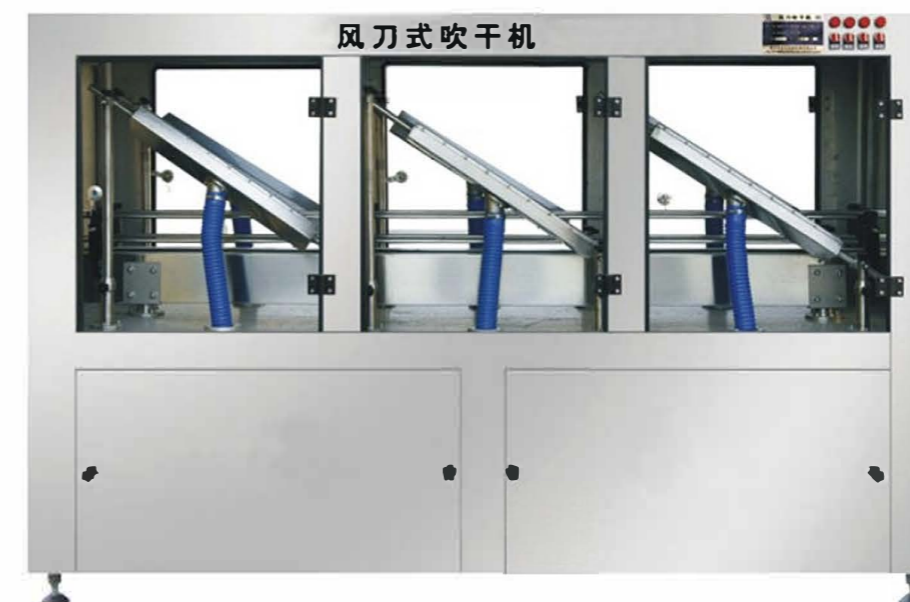
### Spiral Precooking Machine

This machine is suitable for precooking food that is smaller or fruit and vegetable after crushing.

All stainless steel structure,rotating feed, continuous precooking,safety insulating layer.  
Precooking temperature:≤100℃



### Dryer



#### Introduction

Mainly used for drying external package of dairy,juice,beverage,food, after filling or packaging.

#### Feature

- 1.Compact structure,beautiful appearance
- 2.Strong conveying ability
- 3.Ideal drying effect
- 4.Easy to install and adjust
- 5.Cold/hot wind mode for you to choose based on different requirements
- 6.Time of drying can be adjusted according to production technology and output



Fruits & vegetables pretreatment equipment series

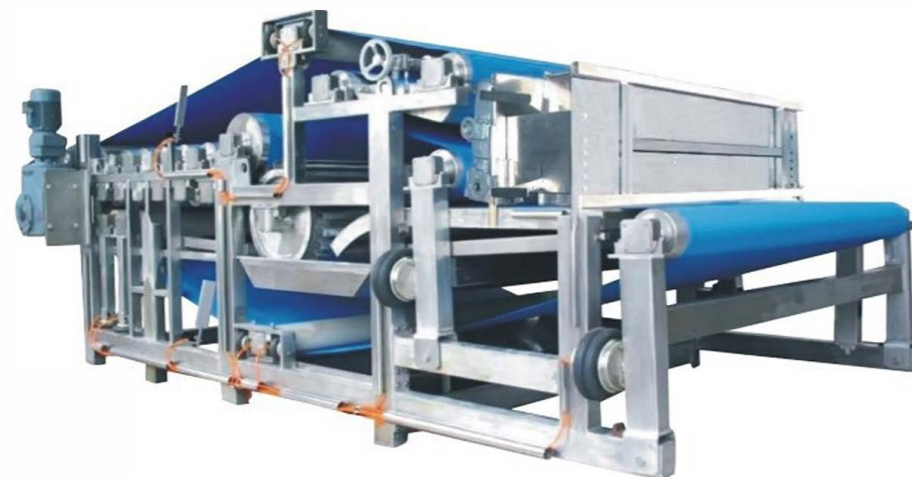
## Belt Squeezer

### Feature

- 1.All stainless steel,comply with food hygiene standard
- 2.Main accessories are from famous band overseas,stable and reliable
- 3.Automatic CIP cleaning system
- 4.Touch screen operation control system,easy to operate
- 5.Work continuously and fully automatic
- 6.Energy saving

### Application

Belt press is a new type of solid liquid separation equipment with high efficiency and continuous operation.It is suitable for juice extraction from berries, fruits and vegetables.Meanwhile,it's also suitable for sludge dewatering in industrial waste water such as printing, dyeing, pharmaceutical and metallurgical industries.



### Technical Parameters

Parameter	Model	800	1200	1750	2500LR	2500HK
Output(t/h)		1 ~ 3	4 ~ 7	8 ~ 12	18 ~ 22	18 ~ 22
Belt Length(mm)		92000	14100	14500	14500	17200
Belt width(mm)		800	1200	1750	2500	2500
Juicing rate (Apple Juice)		≥ 75%	≥ 75%	≥ 75%	≥ 75%	≥ 78%
Quantity(Roots)		20	20	20	20	24
Pressure(MP)		≤ 0.4	≤ 0.4	≤ 0.4 ~ 0.5	≤ 0.4 ~ 0.5	≤ 0.4 ~ 0.5
Main power(kw)		2.2	2.2	3	4	5.5
Cloth Power(kw)		0.25	0.37	0.37	0.55	0.55

## Low Temperature Vacuum Fryer



### Merits of Vacuum Frying

- 1.Color retention
- 2.Flavor retention
- 3.Reduce oil deterioration

### Food types:

- 1.Fruits: apple,kiwi,banana,strawberry,grape,peach,etc.
- 2.Vegetables: mushroom,tomato,potato,garlic,carrot,onion,etc.
- 3.Dried fruit:Jujube,peanut,etc.
- 4.Seafood and meat.



## Sterilizing equipment series

### UHT Sterilizer

#### Application

This equipment is suitable for instant sterilization of fluid material, such as fresh milk, juice, beverage, soybean sauce, liquor, etc.

#### Structure

The main equipment inside the barrel is spiral single-layer tube, which is used for indirect heating, and a pressure vessel with pressure steam in. The main equipment outside the barrel is spiral double-layer tube, which is used for the cold and hot exchange of raw material.

#### Working Process

Step1: Material that needs to be sterilized goes in to the barrel through booster pump (temperature of raw material say 30-50 degree).

Step2: Self heat exchange (material temperature 30 degrees inner temperature 121 degrees, to around 80-90 temperature).

Step3: High temperature sterilization that lasts 4-6 seconds (temperature is adjustable in a range from 95 degree to 126 degree).

Step4: Self heat exchange.

Step5: Material cooling and discharge (according to the cooling water temperature around 20-30 degrees) material temperature at this stage is 75 degrees. The ultimate temperature of material coming out from the outlet is around 35-55 degree.



#### Technical Parameters

Model	HTST-□-5/5	HTST-□-5/45	UHT-□-5/5	UHT-□-50/5	UHT-□-25/90	HTST-□-50/45
Processing Material Name	Milk	Milk	Milk	Milk	Milk	Milk
Production Capacity T/H	1-5	1-5	1-5	1-5	1-5	1-5
Material Inlet Temperature °C	5	5	5	50	25	50
Material Sterilization Temperature °C	85(15S)	95(300S)	137(4S)	137(4S)	121(10S) / 135(5S)	95(300S)
Material Outlet Temperature °C	5	45	5	90	45	5
Heating Medium & Inlet Temperature °C	Hot Water 90	Hot Water 100	Hot Water 142	Hot Water 142	Hot Water 140	Hot Water 100
Cooling Water & Inlet Temperature °C	Ice Water 1	Cooling Water 25	Ice Water 1	Cooling Water 25	Cooling Water 25	Cooling Water 25

### Tubular Sterilizer

#### Application

continuous sterilizing of liquid material like juice, tea beverage, dairy product, etc.

#### Process Parameters

- 5°C → 65°C (Homogenization) → 137°C (3-5S) → 20°C-25°C, Suitable for aseptic packaging.
- 5°C → 65°C (Homogenization) → 115°C/125°C (5-15S) → 88°C-99°C, Suitable for heat canning.
- 5°C → 65°C (Homogenization) → 115°C/125°C (5-15S) → 75°C-78°C, Suitable for medium temperature canning.



#### Advantages

- High thermal efficiency, 90% heat recovery efficiency
- High heat exchange efficiency, less fouling
- Automatic control and recording from CIP cleaning to self sterilizing and material sterilizing
- Accurate sterilization temperature control
- Self sterilizing throughout the whole processing to ensure asepsis
- Strong system security (equipped with pressure protection & alarm system)
- Stable and reliable (main accessories are all world famous brand)
- CIP cleaning system



## Sterilization Machine

### Application

This equipment is suitable for instant sterilization of soybean sauce, vinegar, vegetable juice, etc.



### Feature

1. Good sterilization effect.
2. Exchange of cold & hot material reduce energy consumption.
3. Easy to clean, no need of other clean device
4. Equipped with cooling device, suitable for sterilization before packaging.

## Stainless Steel Tubular Sterilization Machine

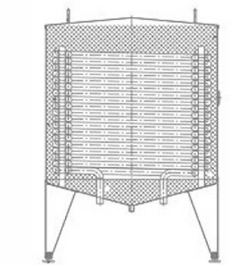
Steam heating to sterilize material, suitable for sterilizing fluid or semi-fluid material.



## Plate Sterilizer

This equipment is specially designed for yogurt processing. It adopts 5 minutes heat treatment to produce yogurt with good taste.

Sterilization process: 5 °C 65 °C 90-95 °C 43 °C



Temperature Holding Tank

### Technical Parameters

Handling Capacity	Heat Exchange Area	Total Power	Steam Consumption	Dimension	Weight
	(M <sup>2</sup> )	(kw)	(kg/h)	(mm)	(kg)
0.5 t/h	5	5.2	80	1200 × 1200 × 1800	780
1 t/h	8	5.2	110	1500 × 1500 × 2000	950
1.5 t/h	11	6	130	2000 × 1600 × 2000	980
2 t/h	14	6	160	2200 × 2000 × 2500	1020
3 t/h	21	8	190	2400 × 2000 × 2500	1120
5 t/h	30	11	320	2600 × 2000 × 2500	1260
10 t/h	54	11	620	2800 × 2000 × 2500	1680

## Sterilization Tank

This equipment is suitable for sterilizing food, milk, beverage and canned food, it is also suitable for pressure cooking in food industry and stereotyped treatment in textile industry. It has the advantages of reasonable structure, good sealing performance, easy to operate, safe and reliable.



Horizontal Sterilizing Cooker



Double Canister Type Bactericidal Tank



## Continuous Sprinkler Type Sterilization and Cooling Tunnel

This equipment is widely used in sterilization and cooling of all kinds of products like bottled drinks, alcohol, juice, beverage and condiment. The sterilization temperature is automatically controlled, and time of sterilization is adjustable.

It has four stages of processing: circulating warm water preheating, circulating hot water sterilizing, circulating warm water precooling, cooling water spray.



### Technical Parameters

Model	PLS-3000	PLS-6000	PLS-8000	PLS-12000	PLS-18000
Highest Sterilization Temperature	100°C				
Conveyor Belt Line Speed	110-553mm/min				
Heating Steam Pressure	0.4MPa				
Amount of Circulating Water	21	40	55	80	120
Total Power	9.6	10.6	13.6	16.5	25
Dimension(mm)	L	6500	14000	18880	21880
	W				31000
	H				
Weight(kg)	3000	5000	6500	8500	12000
Tunnel Area(m <sup>2</sup> )	13.5	26.5	34	51	76

## Continuous Water Bath Sterilizer

This equipment is suitable for the final sterilization or cooling of canned fruits. Sterilization temperature can be set by yourself and is automatically controlled. Types of this equipment: full stainless steel and carbon steel-stainless steel, structural type roller, mesh belt.



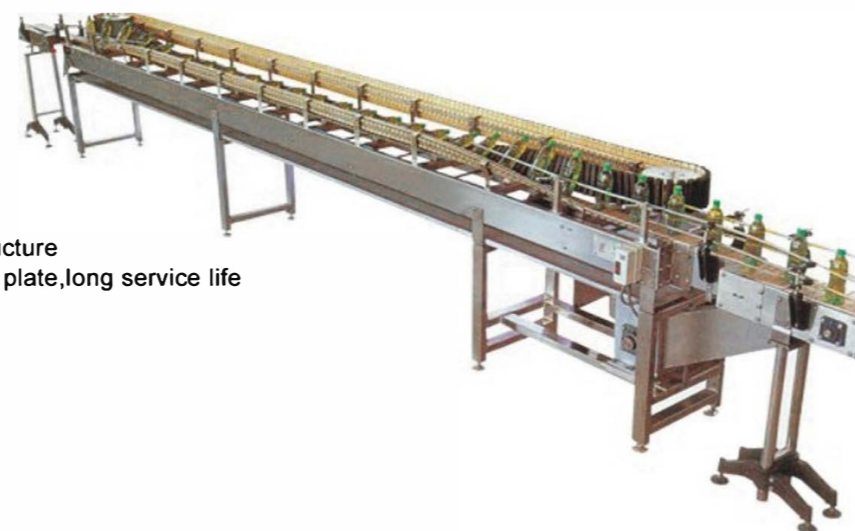
## Inverted Bottle Sterilizer

### Introduction

It is normally used for bottle sterilization after hot filling or packaging.

### Feature

1. All stainless steel, compact structure
2. High quality plastic steel chain plate, long service life
3. Easy to install and adjust



### Technical Parameters

Item	Model	DPJ6-70-45S	DPJ8-65-60S	DPJ12-65-60S
Packing Specification(mm)		Roof Carton, Square Bottle 70×70	Circular Bottle 65	Circular Bottle 65
Processing Capacity(btl/h)		6000	8000	12000
Pcur Bottle Time		45	60	60
Shape Size		6000 × 770 × 880	10000 × 770 × 1050	15000 × 770 × 1050
Motor Power (kw)		1.85	1.85	2.2

## Multifunctional Extraction Tank

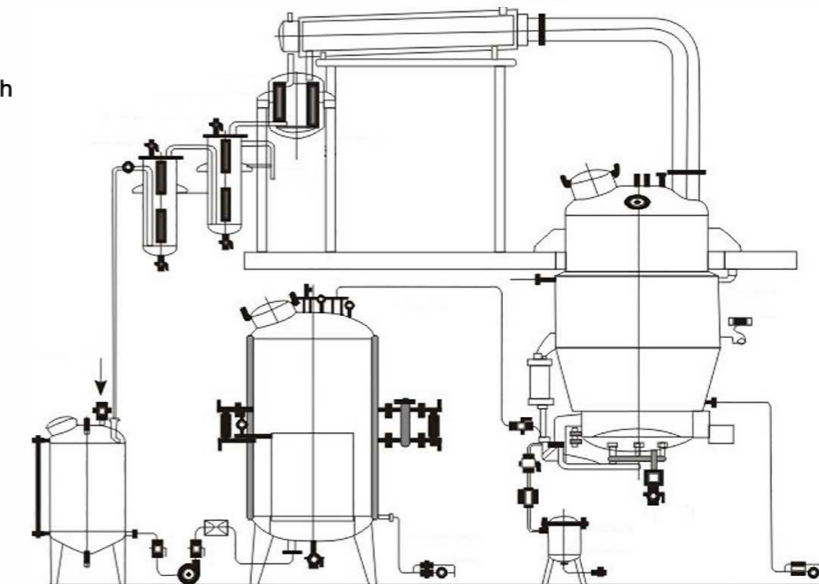
### Feature

This equipment can be used to process various operations, such as ordinary pressure, micro pressure, water frying, warm soaking, hot reflux, forced circulation, cosmetic oil extraction, etc.

The tank is equipped with CIP cleaning automatic spinning ball, side temperature hole, explore-proof visual hole lamp, view mirror, quick opening feed hole, etc.

### Equipment Complete Supply Include

Mist eliminator, condenser, cooler, oil-water separator, filter, cylinder console, etc.



Positive Cone Extraction Tank Positive Cone Extraction Tank(Dynamic) Inverted Cone Extraction Tank



Biopharmaceutical equipment series

## RH Heat Re-circulation Extractive Concentrator

This equipment is suitable for materials like herbs, animal medicine, and food additive, etc.

### Technical Parameters

Extractor volume: 1m<sup>3</sup> 2m<sup>3</sup> 3m<sup>3</sup> 6m<sup>3</sup>  
 Concentrator volume: 0.5m<sup>3</sup> 1m<sup>3</sup> 1.5m<sup>3</sup> 2.5m<sup>3</sup>  
 Water extraction temperature: 90~100℃  
 Alcohol extraction temperature: 78~83℃  
 Extraction time: 4~5h/bat  
 Vacuum degree: 0.005~0.008MPa  
 Pressure: 0.08~0.22MPa

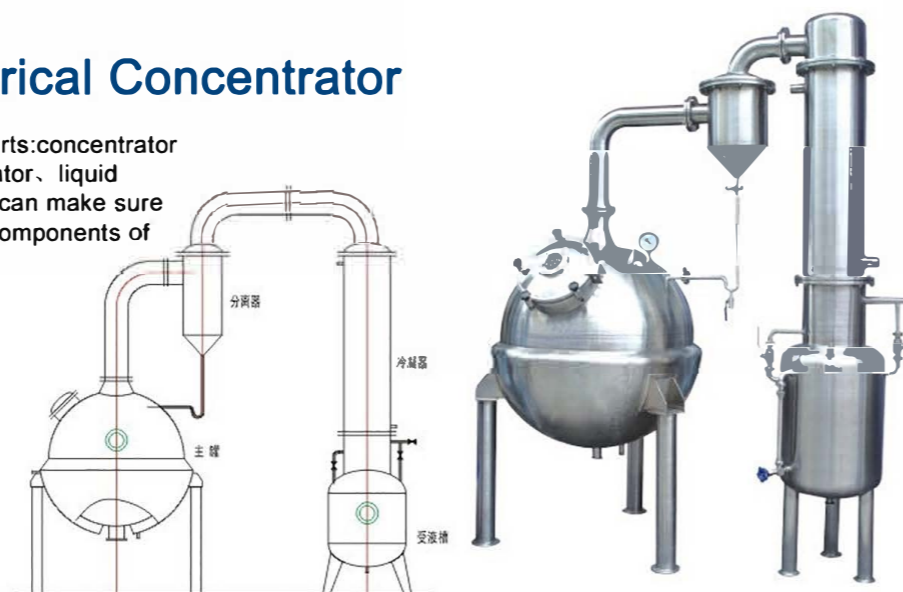


### Feature

1. High rate of ointment
2. It only takes 7-8 hours to concentrate herbs to the ointment
3. High usage of the equipment
4. Low solvent consumption
5. Low steam consumption, easy to operate

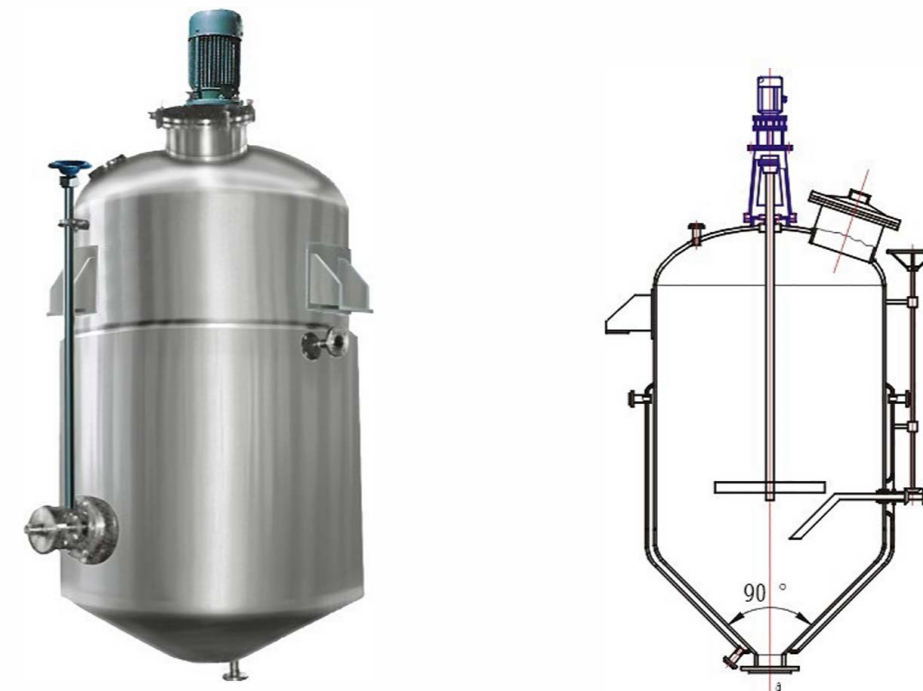
## QN Series Spherical Concentrator

This equipment consists of 4 parts: concentrator, condenser, gas-liquid separator, liquid barrel. Short concentration time can make sure it will not destroy the effective components of the material.



## JC Series Alcohol Precipitator

This equipment is suitable for alcohol precipitation in traditional Chinese medicine, oral liquid, food, health products, chemical industry and other industries.  
 All stainless steel AISI 304, equipped with automatic sprinkler cleaning system with high pressure water.



### Technical Parameters

Specification	Model	JC-300	JC-500	JC-1000	JC-1500	JC-2000	JC-3000	JC-6000
Volume		0.3	0.5	1	1.5	2	3	6
Heat Exchanger		1.8	3	4.5	6.5	7.5	8.5	13
Working Pressure		2-4℃						
Jacket Pressure		0.25						
Heat Transfer Coefficient		200						
Mixing Power		0.75	0.75	1.5	2.2	2.2	3	4
Amount of Cooling Water		1350	2252	3340	4800	5570	6500	9600
Water Pipe		DN-20	DN-20	DN-32	DN-40	DN-40	DN-50	DN-50
Dimension	D <sub>1</sub>	600	800	1000	1200	1300	1400	1600
	D <sub>2</sub>	850	1050	1300	1550	1650	1750	2000
	H	900	900	1200	1200	1300	1400	2700
Weigh		512	1250	1480	1750	1880	2200	4000

Biopharmaceutical equipment series

## Concentrator



**DNNS Series Multi-function Single Effect Concentrator**



**SNH(SN) Series Double Effect Concentrator**

The concentrator is suitable for the concentration of Chinese medicine, western medicine, glucose, starch, monosodium, chemical and other liquid materials, especially for low temperature vacuum concentration of heat sensitive substances.

### Feature

1. Energy-saving. Save steam & cooling water
2. High proportion of concentration
3. Triple effective evaporation
4. Made of stainless steel SUS 304, reach the GMP standard

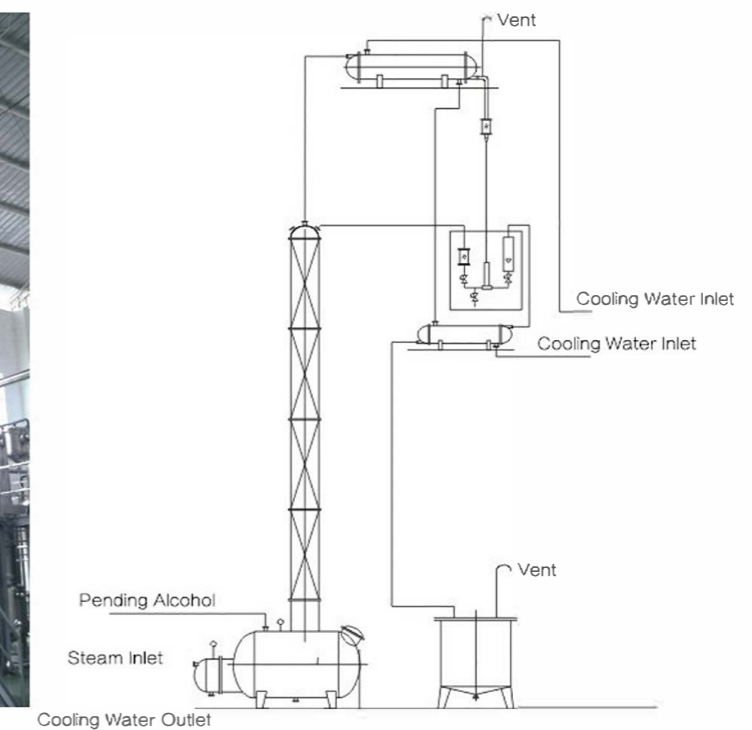


**SNH(SN) Series Three Effect Concentrator**

### Technical Parameters

Specification	Model	SN-500	SN-1000	SN-1500	SN-2000	SN-5000
Vaporization		600	1200	1700	2300	5500
Steam Pressure		0.05-0.098MPa				
Steam Consumption		200	350	500	650	1500
First Effect Heater m <sup>2</sup>		5	10	15	17	28
Final Effect Condenser Area m <sup>2</sup>		15	28	35	45	70
Cooling Water Consumption t/h		6	10	15	20	35

## HT Series Alcohol Distillation Tower



This device is suitable for alcohol recycling in pharmaceutical, food, light industry, chemical industry and other industries. It will reduce the production cost and improve economic benefit. High quality of SUS 304 stainless steel is used in such parts as the tower body, condenser, voltage regulator and cooling pipe and so on to make sure the finished product is not contaminated.

### Technical Parameters

Specification	Model	HT-200	HT-300	HT-400	HT-500	HT-600	HT-800
Tower Diameter		200	300	400	500	600	800
Tower Height		5000	5000	7000	7000	7500	9000
Kettle Volume		640	1220	1450	2300	2500	3200
Recycling Capacity		45-50	90-100	150-160	280-300	350-380	480-520
Heating Area		3	5	6.5	10	15	26
Condensation Area		5	9	12	22	25	45
Cooling Area		1	1.5	2.2	4	6	8
Filling Form		Stainless Steel Corrugated Packing					
Recycling Concentration		95%	95%	95%	95%	95%	95%
Dimension	L	2.3	2.6	2.5	3	3.5	4.2
	W	0.7	0.8	1	1.2	1.4	1.8
Weight	H	7.3	7.5	9	9	10	14
		1100	1900	2300	3800	4500	6800

## JMS Series Three Effect Falling Film Continuous Feeding Concentrator



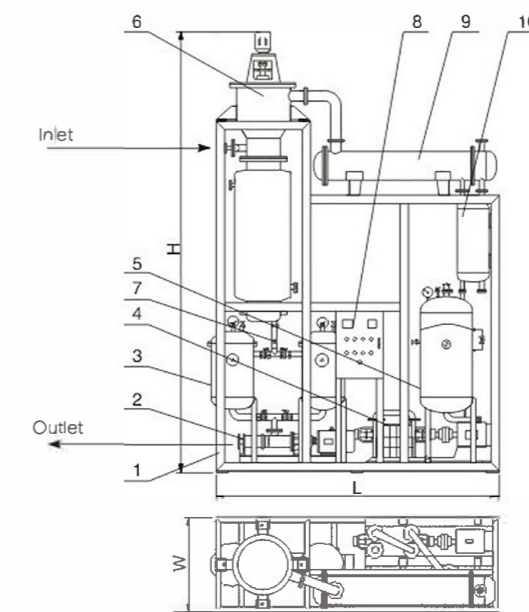
1. Continuous feeding and discharging, stable system, easy to operate
2. High concentration ratio & thermal efficiency, and energy-saving
3. Convenient to adopt advanced control method
4. The design of equipment structure is reasonable and advanced

### Technical Parameters

Specification	Model	JMS500	JMS1000	JMS1500	JMS2000	JMS3000	JMS5000	JMS6000	JMS8000
Vaporization		500	1000	1500	2000	3000	5000	6000	8000
Steam Pressure		0.1~0.25							
Steam Consumption		185	370	555	740	1110	1850	2220	2960
Circulating Water Consumption		5	10	13	15	18	25	30	40
Weight		2060	2480	3280	4200	4860	5770	6430	7600
Dimension	L	7080	7680	8380	8890	9500	10200	10800	11500
	W	900	1000	1100	1200	1300	1400	1500	1600
	H	3500	4000	4600	4600	4900	5300	5800	5800
		Vacuum degree(Mpa)			Evaporating temperature( °C )				
First Effect		-0.047~-0.052			80-85				
Second Effect		-0.069~-0.072			70-75				
Third Effect		-0.075~-0.081			60-65				

## Scraped Film Evaporator

1. Bracket
2. Pump
3. Material Tank
4. Vacuum Pump
5. Liquid Collection Tank
6. Scraped Film Evaporator
7. Sampling Valve
8. Electric Cabinet
9. Pipe Bundle Condenser
10. Coil Condenser



### Application

This equipment is a new type of high efficiency evaporator, which has the advantages of high heat transmission coefficient, high intensity of evaporation and short overflow time. It is especially suitable for evaporation, concentration, degassing, distillation and purification of heat-sensitive materials, high viscosity materials and easily crystallized granular materials.

### Feature

1. Large evaporation capacity (200kg/m2hr)
2. Short material heating time, and working in a vacuum environment
3. Adapt to a wide range of viscosity
4. Adjust the material processing time by changing the rotation direction of the scraper groove
5. Polishing treatment on the inner wall, no easy scale formation on the surface
6. Easy to operate and maintain
7. Simple structure, easy to clean

### Technical Parameters

Specification	Model	160	300	500	800	1200	2000
Heat Exchange Area		0.8	1.5	2.5	4.0	6.0	10.0
Steam Pressure		0.3	0.3	0.3	0.3	0.3	0.3
Vacuum Degree		-0.07					
Vaporization		160	300	500	800	1200	2000
Steam Consumption		168	315	525	840	1260	2100
Power		1.1	1.5	2.2	4.0	5.5	11
Speed		300	300	280	134	134	88

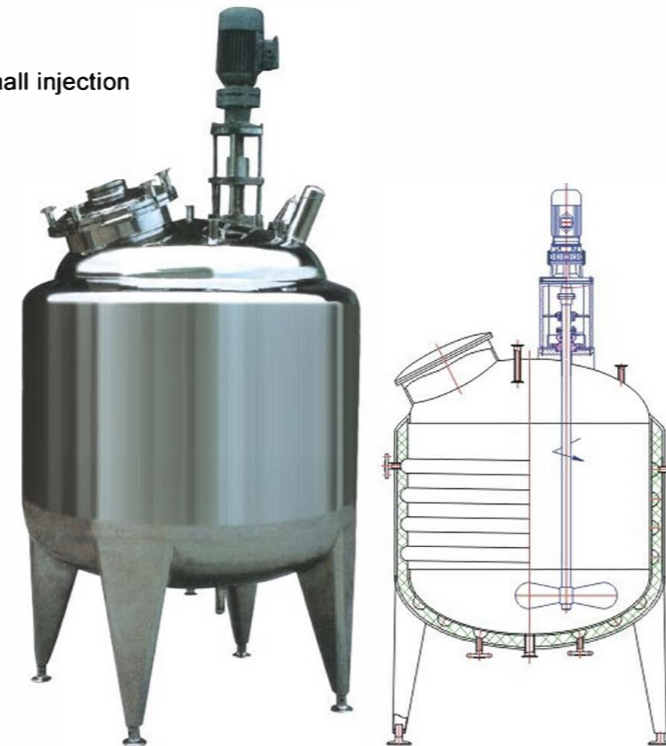
## NX Thick Dilute Canister

### Application

This equipment is mainly used for large infusion, small injection and other dissolution, sterilization and deployment.

### Performance

- 1.This equipment has multiple functions of heating,cooling,insulating and mixing.
- 2.Volume is 0.05 m<sup>3</sup>-5.0 m<sup>3</sup> for you to choose.
- 3.Inter-layer structure,large area of heating.
- 4.The shaft seal is made of cemented carbide and silicon carbide.
- 5.The interface material is 316 or 304.Inner surface is polished, outer surface is matte or mirror polished.
- 6.Liquid level meter is glass or static pressure sensor or ultrasonic.
- 7.Structure ensures no residue of medicinal liquid
- 8.Three jacket structure:standard,outer coil jacket,and honeycomb jacket.



## Biological Fermentation Tank

### Introduction

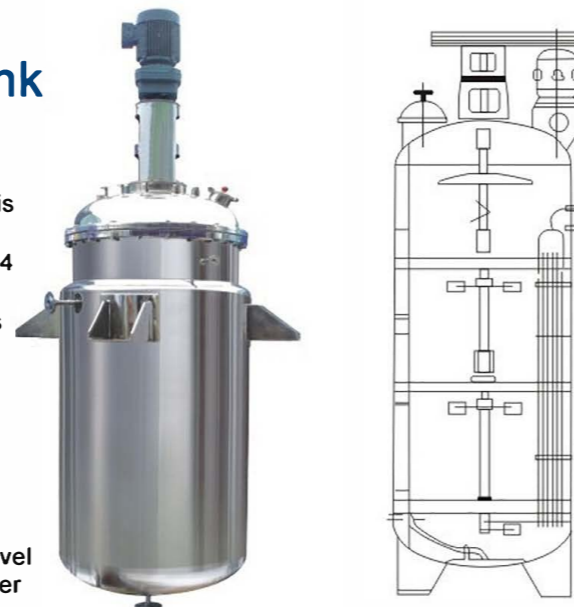
Biological fermentation tank is an equipment for mechanical agitation and fermentation of materials.This equipment adopts internal circulation mode,dispersing and breaking bubbles by agitator.It is made of SUS 304 stainless steel ,with automatic sprinkler cleaning head in the tank to make sure the production process meets GMP standard.

### Structure

Biological fermentation tank consists of tank body,agitator,baffle,air diffuser,cooling pipe(or jacket),defoamer,manhole,integrated view mirror,etc.

### Configuration

Material inlet&outlet,cooling liquid inlet&outlet,liquid level display interface,temperature sensor interface,PH meter interface,presure sensor interface,air respirator interface,CIP interface,defoaming electrode interface,flowmeter interface,instrument control system.



## Special Reaction Kettle



It is a special production equipment for meat flavor, which generate from the heat reaction of protein,fat,amino acid,sugar and other substances.

This machine is equipped with dedicated agitator,and a matching condenser for heating reflux.The jacket can heated by steam or cooled by cooling water.Outer layer is insulating layer.

### Technical Parameters

Parameter	Model	50	100	200	500	1000
Volume(L)		50	100	200	500	1000
Temperature(°C)		≤ 160				
Pressure Bearing(MPa)		≤ 0.6(Steam pressure in the jacket) ≤ 0.7				

Whole-set beancurd production line

Water treatment equipment series

Complete Set of Bean Curd Production Line

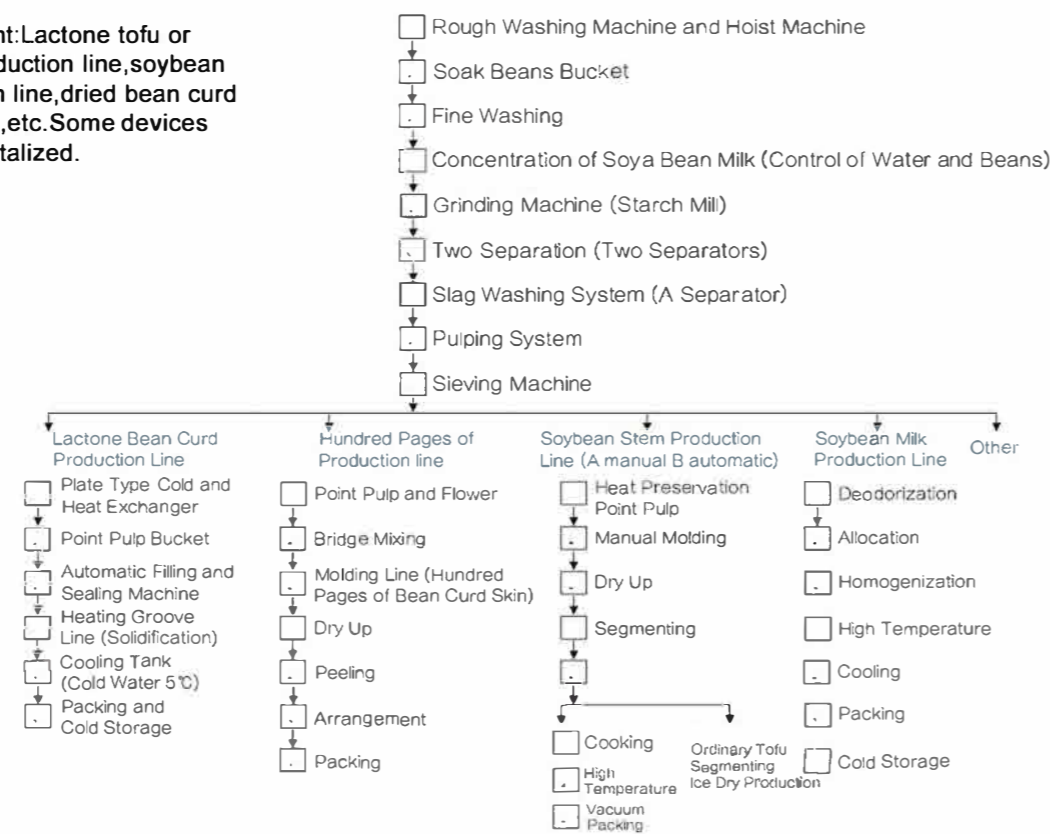
Water Treatment Equipment



Main equipment: Lactone tofu or silken tofu production line, soybean milk production line, dried bean curd production line, etc. Some devices have been digitalized.

This equipment is used to remove bacteria in tap water or well water through a reasonable and efficient pre-treatment and Reverse osmosis membrane separation technology to eliminate particles, impurities and residual chlorine.

It is widely applied in making carbonated drinks, dairy production process water, and beer or grape wine or liquor production process water. It is equipped with manual/automatic cleaning, voltage protection and liquid level control.



Pure Water Equipment



## Activated Carbon Filter

This equipment is mainly used for reverse osmosis, electrodialysis, ion exchange, softened water pre-treatment, water treatment, direct drinking water treatment, municipal centralized water treatment, etc.



## Automatic Softener

This equipment can be widely used in industrial, civil and commercial fields that need to manufacture softened water. It is a maintenance-free device with low water consumption, low running cost, high water quality and stable operation.



## Ultrafiltration

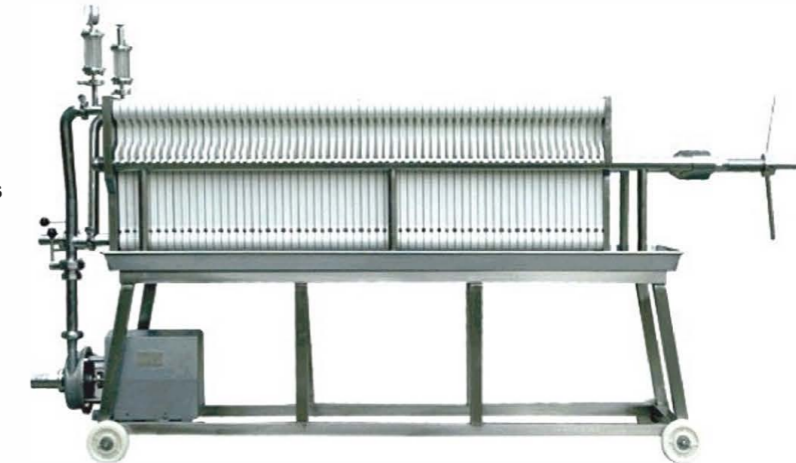
Ultrafiltration is widely used in separation, concentration and purification of substances. It can effectively remove particles, colloids and polymer organic substances in water. The ultrafiltration process is particularly suitable for the separation of thermosensitive substances, and has good temperature resistance, acid and alkali resistance and oxidation resistance.



## Cardboard Filter

This machine is suitable for precise filtration or sterilization of beer, liquor, chemical, pharmaceutical and similar liquids.

This equipment uses filter cardboard as filter medium, it is a small volume, high precision filter equipment. It's for further purification of primary filtered liquids which has reached concentration value requirement.



## Stainless Steel Plate and Frame Filter

This machine is suitable for the purpose of purifying and sterilizing the liquid with low concentration of less than 50% and low viscosity and less residue.

It has large filtration area, large flow and wide range of application, so it's been widely used in chemical, pharmaceutical, and food industry.



## Silicon Phosphorous Dosing Tank

This equipment is widely used in water supply pipelines in places like apartments, hospitals or factories to prevent scaling and red rust water occurrence, improve water conditions and water quality.



## Bag Filter

Bag filter is a new type of filtration equipment, which is made of 304 stainless steel. There is an inside metal net to support the filter bag, which can be replaced or continue to use after cleaning.



## Single/Double Filter

This equipment is used for filtration of various solid substances or sundries in juice, milk, beverage, liquid and other liquids.

### Material

1. All made of stainless steel
2. Filter screen selection:
  - (1) stainless steel filter screen
  - (2) filter cloth
  - (3) filter paper



## San Bar Filter

This equipment is used for filtration of tap water or deep well water with a pressure device.

It is also an ideal equipment for liquor filtration in wine industry, decarbonization in pharmaceutical industry, and water pretreatment in electronics industry.



## Titanium Rod Filter

The outer shell is made of 304 or 316L stainless steel, inner filter is made of titanium tube. It is widely used in solid-liquid separation of food, beverage, medicine, chemical industry and other industries.



## Micro Membrane Filter

This equipment is manufactured according to FDA standard with imported advanced technology.

It has such features as small volume, light weight, easy operation, large filtration area, fast filtration, no pollution, and good chemical stability.



Other single-machine equipment

## Stainless Steel Diatomite Filter



This equipment is made of good quality stainless steel, with diatomite as a filter aid. It has been widely used in liquor, fruit wine, beverage, water treatment and other industries, and obtained good reputation. It is small, easy to operate and easy to move.

## Three-foot Centrifuger

This equipment is a filtration centrifuger with manual feeding and intermittent operation. It has been widely used in chemical, food, pharmaceutical, metallurgic industry, etc.



### Technical Parameters

Model	Rotating Drum					Separation Factor	Motor Power	Weight	Size mm
	Diameter	Height	Volume	Loading Limit	Speed				
SS300	300	160	5	10	2500	1020	1.5	130	800 × 620 × 500
SS450	450	220	17	25	1900	900	1.5	200	980 × 720 × 625
SS600	600	315	45	80	1500	755	3.0	600	1350 × 990 × 750
SS800	800	360	100	135	1200	640	5.5	1300	1740 × 1380 × 1000
SS1000	1000	400	140	195	1000	560	7.5	1500	1950 × 1560 × 1050
SS1200	1200	500	250	330	900	500	11	2000	2370 × 1600 × 1100
SS1500	1500	500	140	450	700	400	15	4000	2640 × 1850 × 1100



Sanitary pumps, valves and pipe fittings series

**Pumps >>**



Centrifugal Pump



Explosion-proof Self-priming Pump



Self-priming Pump



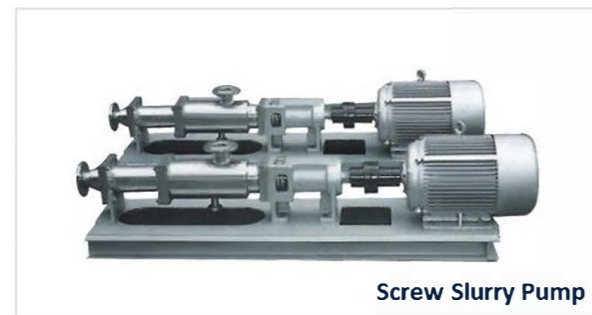
High Efficiency Sanitary Pump



Rotor Pump



Magnetic Drive Pump



Screw Slurry Pump



Push-type Screw Pump

**Stainless steel Pumps >>**



Two-piece Butterfly Valve



Threaded Butterfly Valve



Fast Loading Butterfly Valve



Welded Butterfly Valve



Square Flanged Butterfly Valve



Flanged Valve



Pneumatic Reversing Valve



Pneumatic Valve



T-cock Flanged Ball Valve



Flanged Ball Valve



T-cock Flanged Ball Valve



Threaded Three-way Ball Valve



Fast Loading Ball Valve



Two-piece Ball Valve



Three-piece Ball Valve



Diaphragm Valve

Sanitary pumps, valves and pipe fittings series

## Sanitary Pipe Fittings



Threaded Pipe Fittings



Stainless Steel Sanitary Pipe Fittings



Cleaning Ball & Sight Glass



Stainless Steel Pipe Support



Stainless Steel Food Hose



Stainless Steel Sanitary Pipe Filter



Sanitary Floor Drain&Respirator



Flange



Sanitary Quick Opening Clamp



Stainless Steel Sanitary pipe fittings



Stainless Steel Square Tubes



Sanitary Stainless Steel Tubes

## Other Stainless Steel Fittings



Oval Swing-in Manhole



Oval Swing-in Manhole



Single Beam Manhole



Nonstandard Circular Manhole



Square Manhole



Rectangular Manhole



Sight Glass Manhole



Flange Manhole



Fast Loading Pipe Sight Glass Threaded Pipe Sight Glass



Four-way Flange Sight Glass Four-way Welded Sight Glass



Threaded Light&Sight Glass Welded Sight Glass



Sight Glass Flange Light/Sight Glass



气动球阀 三通式气动球阀 二片式气动球阀



Liquid Level Meter



Thin Pneumatic Ball Valve/Constant Pressure Valve/Pneumatic Angle Seat Valve



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