



RUIAN GLOBAL MACHINERY CO LTD

- ★ Herb extraction line
- ★ Syrup production line
- ★ Injection liquid production line
- ★ Fermentation system

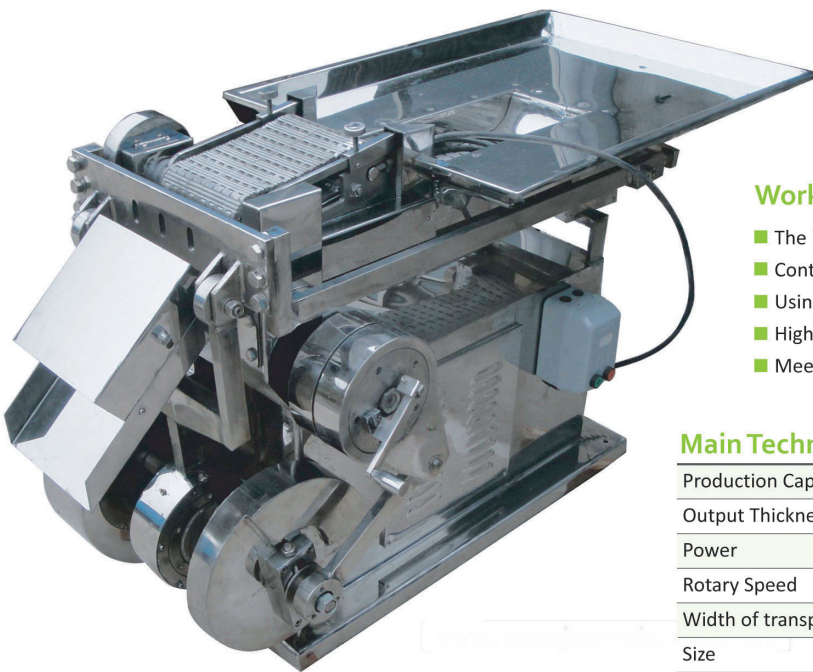
RUIAN GLOBAL MACHINERY CO LTD

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Extraction Series

QYJ-200

Herb Cutting Machine



Applicability:

This cutting machine is used for cutting kinds of materials, such as licorice roots, herbs, tobacco leaf, tobacco stem, food, spices,leaves and grasses etc. The cutted herb pieces is very suitable for extracting industry.

Working features:

- The blades move from up to down by mechanical driver
- Control the milling cut of five-star pulley through computer
- Using the convey chain to transport the materials
- High precision, rational structure
- Meet the requirements of GMP

Main Technical Parameter

Production Capacity	50-600 Kg/h
Output Thickness	0.5-25 mm(adjustable)
Power	2.2kw 380v 3 Phase 50Hz
Rotary Speed	960 r/min
Width of transport chain	200 mm
Size	1700 × 820 × 960 mm
Weight	500Kg

XYJ-700

Herbs/ Licorice Washing Machine

Applicability:

This machine is suitable for washing different kinds of herbal materials, licorice roots and fruits,such as peels, seeds and shellfishes, etc.

Working features:

- Equipped with a rotary drum and high pressure water pump
- Direct water source and inner circulating water available
- Continuous production and automatic discharge
- Ideal equipment for medicine factory and hospital
- Meet the requirements of GMP

Main Technical Parameter

Type	XYJ-700
Washing capacity (kg/h)	300-1000
Drum speed (r/min)	8
Power (kw)	1.1 (motor) / 1.1 (water pump)
Size (mm)	2780 × 980 × 1380



TD Series

low temperature herb extractor and evaporator

Applicability:

This equipment is suitable for extracting component or liquid from herb, root, leaves, flowers, plant, for example: honeysuckle, radix, tea, sandalwood, Ginseng and it is especially suitable for hospital, pharmaceutical factory, scientific research etc. it is usually for small production or lab.



Main Technical Parameter

Model Items	TD-20	TD-50	TD-100	TD-200	TD-300	TD-500
Extraction volume (L)	20	50	100	200	300	500
Concentration volume (L)	20	50	100	200	300	500
Working pressure in jacket	<1Mpa					
Working pressure in pot (Mpa)	Usual pressure or Negative pressure					
Extract Temperature (°C)	40-100					
Heat Medium	Steam / Hot water/hot oil					
Vacuum pump model (kw)	SK-0.4	2X-2.2	2X-2.2	2X-3	2X-3	2X-4
Electric power (kw)	0.37	0.37	0.37	0.37	0.37	0.55
Temperature scope (°C)	0-200					
Total electric power (kw)	6+6	12+12	15+15	18+18	24+36	36+48
Material	Stainless steel					

DTWZ-D Series

Multi-function extractor and concentrator

(can be low temperature extraction, circulation extraction, air pressure extraction, pressure extraction, ultrasonic extraction)

Applicability:

This equipment is suitable for extracting component or liquid from herb, root, leaves, flowers, plant, for example: honeysuckle, radix, tea, sandalwood, Ginseng and it is especially suitable for hospital, pharmaceutical factory, scientific research etc. it is for big production.

Structure:

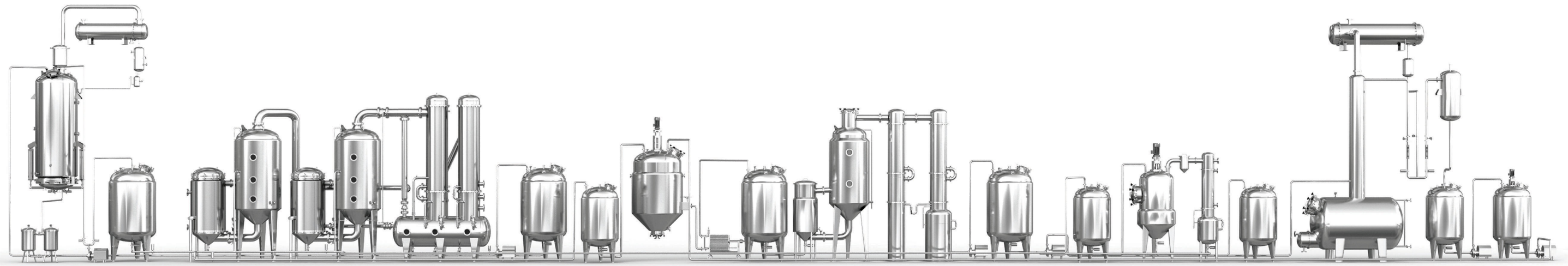
This machine include extractor, evaporator, collector, condenser, meter and pipes. It should be heated by steam, The material can be stainless steel 304 or stainless steel 316 and it can be automatic and manual. Or you can add ultrasonic device



Main Technical Parameter

Model	DTWZ-D-6000L	DTWZ-D-3000L	DTWZ-D-2000L	DTWZ-D-1000L
Pressure in interlayer (Mpa)	<0.1			
Pressure in jacket (Mpa)	<0.25			
Pressure in cylinder (Mpa)	0.6-0.7			
Diameter of manhole (mm)	450	400	400	400
Heat area (m²)	30	12	10	6
Condenser area (m²)	60	30	20	10
Condenser area (m²)	1.5	1	1	0.5
Volume (m³)	6	3	2	1
Evaporation capacity (Kg/h)	2000	1000	700	300

Water or Alcohol Herb Extraction Line



SJN₂ Series Energy-saving Evaporator



Application:

this equipment is suitable for evaporation and concentration the liquid material and recycling the organic solvent in pharmaceutical, foodstuff and chemical industry etc. for example waste water, milk, juice, herb juice and so on

Feature:

- The equipment combines the external circulation heating system with the way of vacuum concentration together in order to enhance the evaporation speed and the concentration proportion can get above to 1.2.
- The liquid materia is concentration in a vacuum condition and the finished material is without pollution and the organic solvent also can be recovered.
- With the effecttion of double-efficient coinstantaneous evaporation, the steam can be used sufficiently, so it can save the energy consumption.And compare with the single-efficient concnetrator , the energy can be saved more than more 40%.
- The top of heater is with opening device so it is easy to clean. The equipment is with automacit drainage system in order to lighten the labor intensity.
- The equipment configure with PLC control system in order to controll the temperatue, pressure, feedig and uncharging the material automatically.

Main Technical Parameter

Model	SJN ₂ -500	SJN ₂ -1000	SJN ₂ -1500	SJN ₂ -2000	SJN ₂ -3000
Evaporate (kg/h)	500	1000	1500	2000	3000
Cost air (kg/h)	380	750	1100	1600	2500
Steam pressure (Mpa)	<1Mpa				
Temperature (°C)	Number one 80-90 number two55-70				
Vacuum degree (Mpa)	Number one0.02-0.04 number two0.05-0.08				
Dimension (m)LxWxH	4.5x1x3.2	5.5x1.1x3.8	6.3x1.2x4.3	6.6x1.3x4.5	7x1.4x5.1
Circulate water (T/H)	10-15	20-30	30-40	40-50	50-60



ZN Series Paste Concentrator

Application:

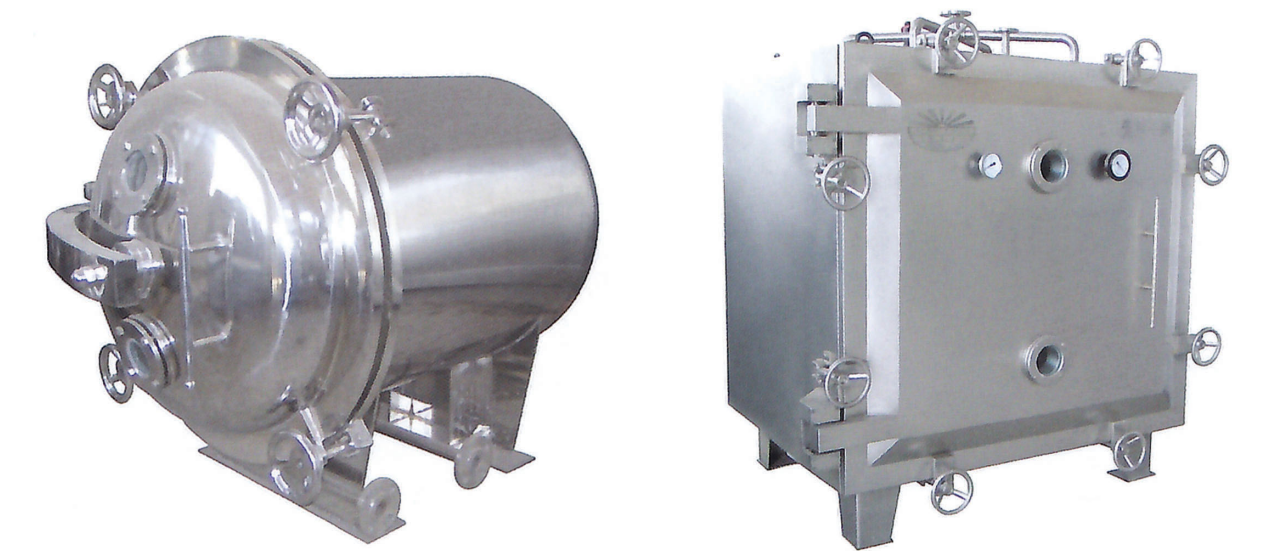
This evaporator can be operated in either vacuum or constant pressure condition. It can be used for concentration of water or organic solvent in many industries. It's especially suitable for continuous concentration in vacuum condition to hot sensitive material (such as Chinese medicine, antibiotic, fermentation liquor, milk, juice and alcohol. The finished product will be like honey.

Main Technical Parameter

Model	QN-200	QN-500	QN-700	QN-1000	QN-1500	QN-2000
Evaporate capacity(kg/h)	60	110	150	200	300	400
Volume(L)	200	500	700	1000	1500	2000
Steam pressure(MPa)	<0.1					
Vacuum degree(Mpa)	-0.08					
Heat area(m²)	0.9	1.5	2.1	2.7	3.5	4.0
Cool area(m²)	1.7	3.4	5.0	7.0	8.5	10
Dimension(m)	1.7x0.9x2.3	2.3x1.1x2.6	2.3x1.3x2.6	2.7x1.5x2.9	3x1.6x3	3.1x1.8x3

FZG Series

Vacuum Dryer



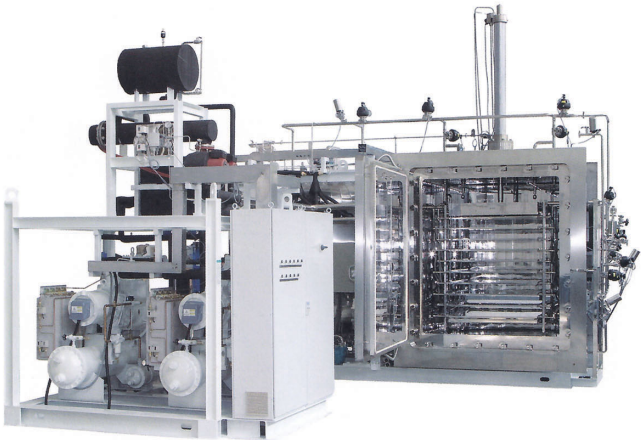
Main Technical Parameter

Model	YZG-600	YZG-800	YZG-1000	YZG-1400A	FZG-10	FZG-15	FZG-20
Outside dimension	1135x810x1024	1700x1045x1335	1693x1190x150	2386x1675x1920	1513x1924x1720	1513x1924x2060	1513x1924x2500
Drying layer	4	4	6	8	5	8	12
Tray dimension	310x600x45	520x410x45	520x410x45	460x640x45	460x640x45	460x640x45	460x640x45
Quantity of tray	4	8	12	32	20	32	48
Pressure in pipe	≤ 0.784	≤ 0.784	≤ 0.784	≤ 0.784	≤ 0.784	≤ 0.784	≤ 0.784
Dry temperature	35-150	35-150	35-150	35-150	35-150	35-150	35-150
Inside Vacuum degree	-0.09 ~ 0.096	-0.09 ~ 0.096	-0.09 ~ 0.096	-0.09 ~ 0.096	-0.09 ~ 0.096	-0.09 ~ 0.096	-0.09 ~ 0.096
Under vacuum -0.1MPa, heat temperature 110oC Steam evaporate percent 7.2%							
Dryer weight	250	600	800	1400	1400	2100	3200



ZDF Series

Vacuum belt continuous dryer



Freeze Dryer

LPG

Spray Dryer

Application:

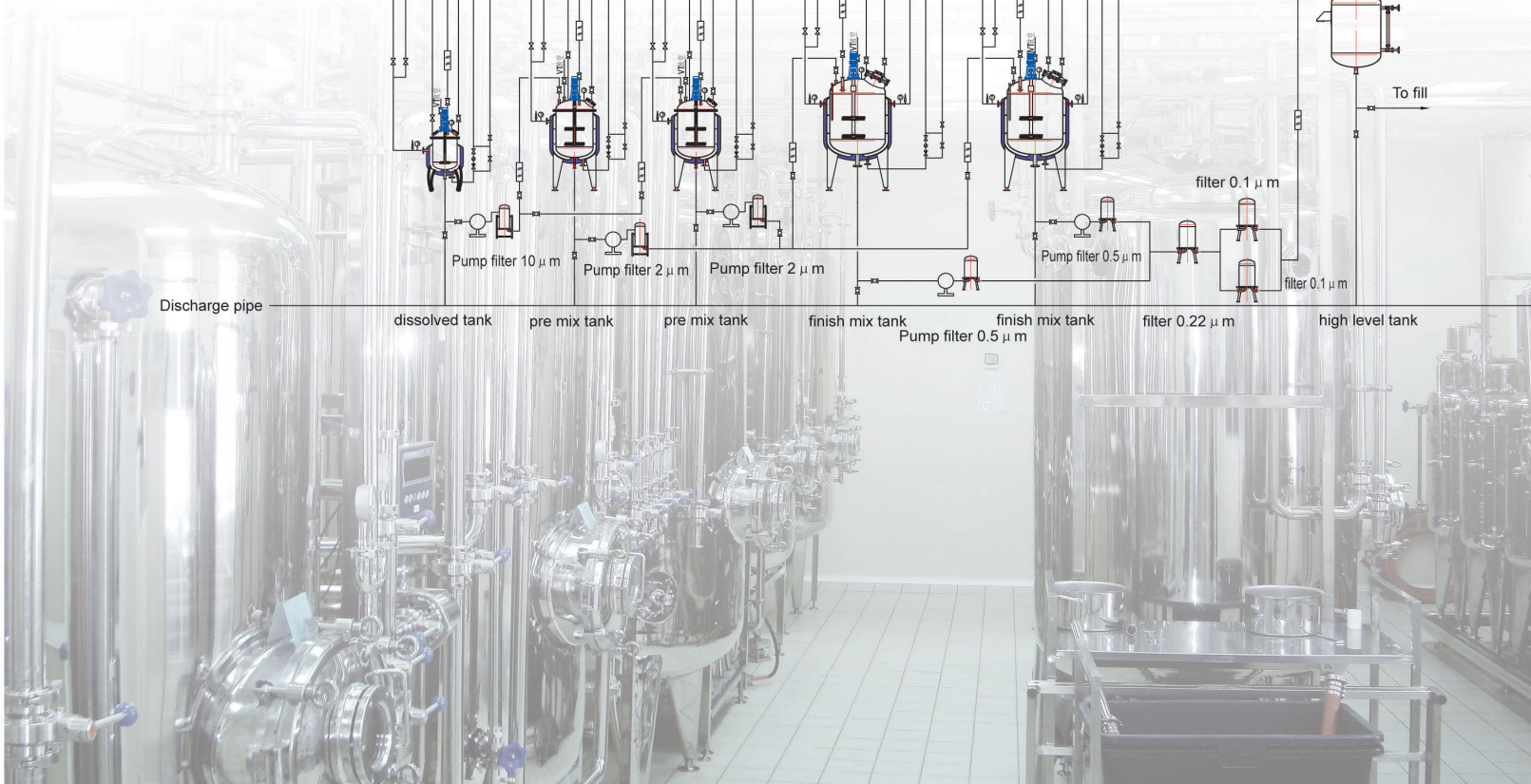
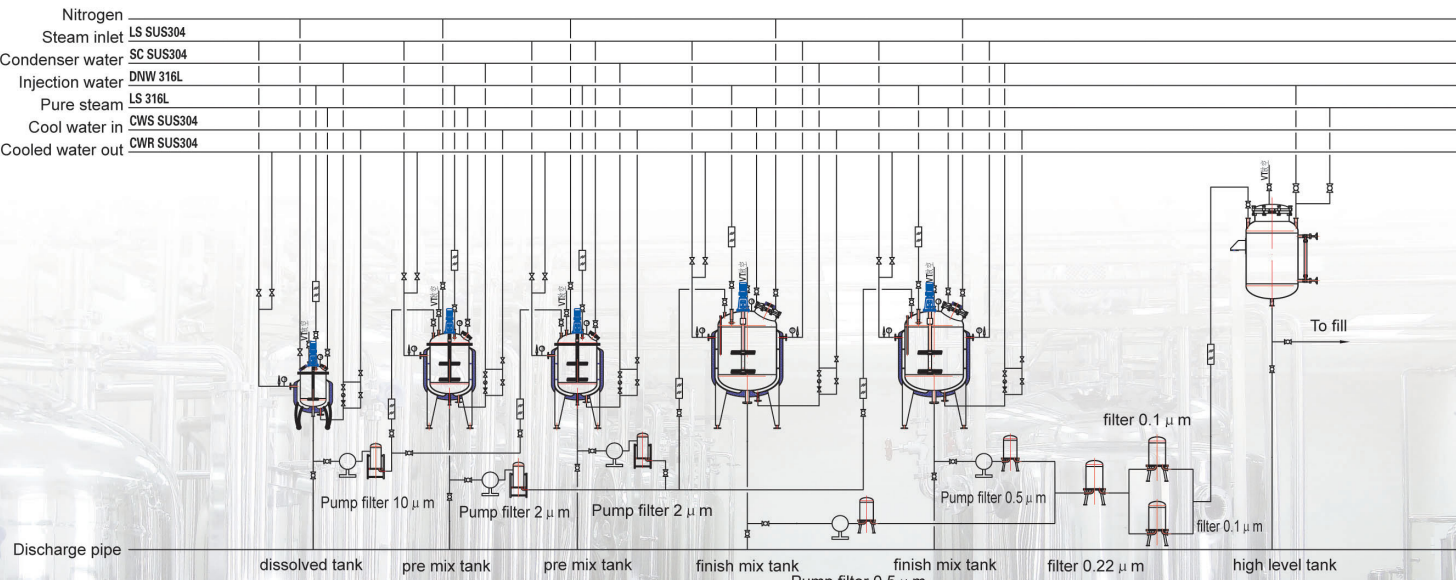
This machine can used for food ,Pharmaceutical detergent,and ceramic industry, it can dry milk powder, herb extract powder, soap powder and aluminum oxide and so on.

Main Technical Parameter

Item \ LPG	5	25	50	100	150	200	500	800	1000	2000	3000
Inlet temperature °c	140-350 automatically controlled										
Outlet temperature °c	5	25	50	100	150	200	500	800	1000	2000	3000
Type of atomizing	High speed centrifugal atomizer										
Water evaporation	5	25	50	100	150	200	500	800	1000	2000	3000
Speed of atomizer	35000	20500	17600	17600	15500	15500	15500	11570	11570	11570	10983
Diameter of atomizer	50	108	120	130	150	150	150	190	190	190	210
Max electric heat power	15	36	63	81	99	Equip with other other heat source					
Dried powder recovery	Around 95%										
Length of covered area	1.6	4	4.5	5.2	7	7.5	12.5	13.5	14.5	To be confirmed	
Width of covered area	1.1	2.7	2.8	3.5	5.5	6	8	12	14	To be confirmed	
Height of tower body	1.75	4.5	5.5	6.7	7.2	8	10	11	15	To be confirmed	

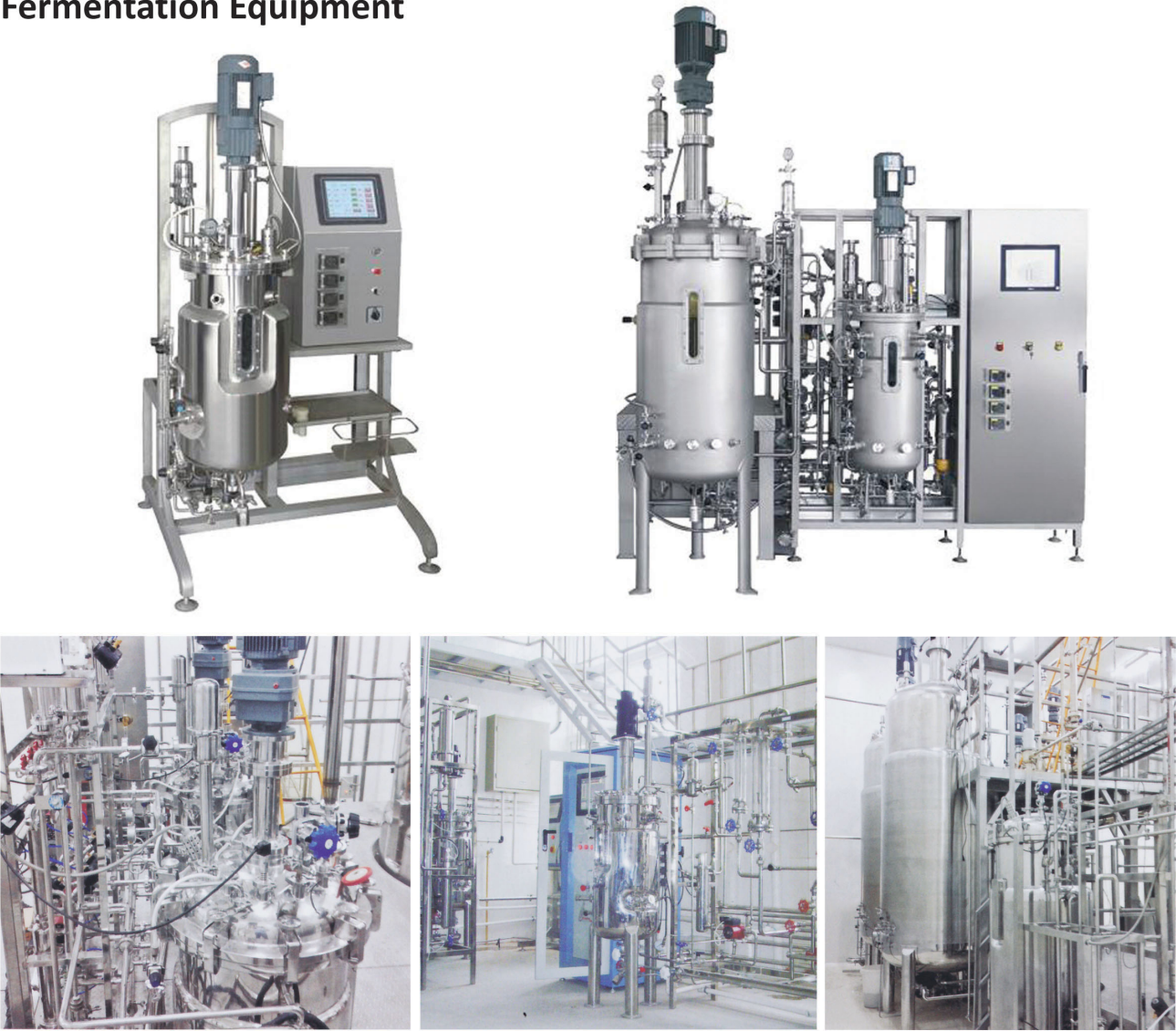


Oral Syrup System



FJG Series

Fermentation Equipment



Application:

This fermentation tank is ideal system for production of bacteria, yeast, enzyme, and fungi ,etc in aerobic and anaerobic cultures.This series of products suits for various kinds of microbiology lab, pilot and industrial scale fermentation. User can choose appreciate model according to Client s detail requirement.

Main Technical Parameter

Model	30L	50L	100L	200L	500L	1000L	2000L	3000L	5000L	10000L	50000L
Diameter mm	300	300	400	500	700	900	1200	1300	1500	1800	3100
Height mm	1600	1700	2000	2300	2600	3000	3800	4300	4500	5300	8000
Filling capacity	65%-80%										
Inside Pressure Mpa	0.2										
Jacket pressure Mpa	0.3										
Cool method	By jacket							By pipe			
Mix speed rpm	400	400	400	360	300	220	180	160	145	125	110
Motor Power kw	0.55	0.55	0.75	1.1	1.5	2.2	3	4	5.5	13	55

CIP

Clean System

Application:

CIP cleaning system is specialized equipment used for automatic cleaning for beverage production line, pharmaceutical production line, fermentation production line, biology production line and so on. it has acid washing, alkali washing and hot water washing, purity water washing can be chose. The temperature for acid, alkali and hot water can be set.



Main Technical Parameter

Model	CIP500	CIP1000	CIP1500	CIP2000	CIP3000	CIP5000
Acid tank L	500	1000	1500	2000	3000	5000
Alkaline tank L	500	1000	1500	2000	3000	5000
Water tank L	500	1000	1500	2000	3000	5000

RO SERIES

Reverse osmosis water treatment equipment



Main Technical Parameter

Item	RO-1	RO-3	RO-5	RO-10
Production T/H	1	3	5	10
Resource water pump	CHL2-40	CHL8-40	CHL8-50	CHL16-40
Machanic filter	400x1500	600x1500	800x1500	1200x1500
Active carbon filter	400x1500	600x1500	800x1500	1200x1500
Add medicine device	American PO26			

MS Series

Multi-effect water distiller



Use:

Multi-effect water distiller (inner spiral structure) which is production of sterile water for injection, infusion. it is widely used in the pharmaceutical industry, pharmaceutical (water solution, injection of blood products), food and beverage, electronics and other industries.

Main Technical Parameter

Model	Mumber Of Columns	Steam actuating pressue:0.3Mpa			Steam actuating pressure:0.5Mpa			Heigh mm	Length mm	Width mm
		Capacity	Industrial steam	Cooling Water	Capacity	Industrial steam	Cooling Water			
MS100	4	110	35Kg/h	62Lt/h	165	54Kg/h	99Lt/h	2310	1420	1110
MS200	4	220	70Kg/h	131Lt/h	330	108Kg/h	204Lt/h	2310	1520	1110
MS200	5	220	29Kg/h	57Lt/h	330	87Kg/h	91Lt/h	2310	1770	1110
MS300	4	330	104Kg/h	201Lt/h	495	162Kg/h	315Lt/h	2310	1520	1110
MS300	5	330	84Kg/h	90Lt/h	495	130Kg/h	146Lt/h	2310	1770	1110
MS500	4	550	173Kg/h	338Lt/h	825	269Kg/h	528Lt/h	2850	1610	1290
MS500	5	550	140Kg/h	154Lt/h	825	217Kg/h	249Lt/h	2850	1910	1290
MS1000	5	1100	279Kg/h	300Lt/h	1650	433Kg/h	480Lt/h	4100	2850	900
MS1000	6	1100	234Kg/h	68Lt/h	1650	365Kg/h	127Lt/h	4100	3330	900
MS1500	5	1600	405Kg/h	446Lt/h	2400	682Kg/h	713Lt/h	4200	3190	1000
MS1500	6	1600	340Kg/h	111Lt/h	2400	527Kg/h	203Lt/h	4200	3700	1000
MS2000	5	2200	556Kg/h	622Lt/h	3300	863Kg/h	991Lt/h	4300	3600	1200
MS2000	6	2200	467Kg/h	164Lt/h	3300	724Kg/h	293Lt/h	4300	4200	1200
MS3000	6	3300	700Kg/h	257Lt/h	4950	1085Kg/h	457Lt/h	4450	4510	1200
MS5000	6	5500	1164Kg/h	457Lt/h	8250	1805Kg/h	799Lt/h	5500	6040	1380



PYG

Injection Machine

Use:

It applied to infusion, injection, eye drop, oral liquid, blood preparation, biology, fine chemical and fermentation industries.

Main Technical Parameter

Model	50L	100L	200L	500L	1000L	2000L	3000L	5000L	10000L
Diameter mm	300	400	500	700	900	1200	1300	1500	1800
Height mm	1700	2000	2300	2600	3000	3800	4300	4500	5300
Motor Power kw	0.55	0.75	1.1	1.5	2.2	3	4	5.5	13

CZQ

Pure Steam Generator

Use:

This pure steam generator is designed and manufactured in strict accordance with the International Pharmacopoeia and CGMP-FDA standards.

This series of equipment can be used in the production line of pharmaceutical equipment and various process (sterilization cabinet, pipelines, storage tank, filter and so on) sterilization and disinfection.

Pure steam generator can be heated by industrial steam, can also be heated by hot water. Technical Parameter

Main Technical Parameter

Item	CZQ-100	CZQ-200	CZQ-300	CZQ-400	CZQ-500
Raw steam pressure	0.3	0.3	0.3	0.3	0.3
Pure steam pressure	0.16-0.25	0.16-0.25	0.16-0.25	0.16-0.25	0.16-0.25
Raw steam cost	130	260	390	532	668
Water	125	250	375	462	578
Pure water	>100	>200	>300	>400	>500
dimension	750x550x250mm	800x600x2250mm	850x650x2250mm	950x750x2400mm	1000x900x2400mm

