

# Product Catalog

---

Professional laboratory equipment supplier

Henan LaiMeng Lab Instrument Co.,Ltd.

# DIRECTORY

- 01 Company Profiles
- 02 R Series Rotary Evaporator
- 03 Recirculating Chiller
- 04 Chiller&Heater
- 05 Centrifuge
- 06 Molecular Distillation Unit
- 07 Jacketed Glass Reactor
- 08 Elevating Jacketed Glass Reactor
- 09 Vacuum Drying Oven
- 10 Forced Air Drying Oven
- 11 Circulating Water Vacuum Pump
- 12 Stainless Steel Depositing Tank
- 13 Contact Us

# 01 Company Profiles



Henan LaiMeng Lab Instrument Co.,Ltd is customized in R & D, production, sales, teaching and chemical biology pharmacy equipment integrated company.

Our company the main products are rotary evaporator, jacketed glass reactor, single layer glass reactor, circulating water vacuum pump, low temperature cooling fluid circulating pump, vacuum drying oven, blast drying oven, water/oil bath, magnetic heating stirrer, lift platform, etc.

## Our service



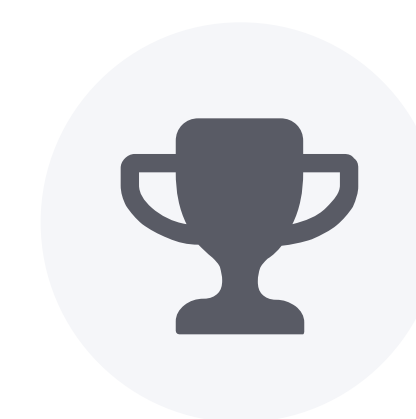
### 30 years experiences

With more than 30 years experiences and professional engineers and workers.



### Audit & Certification

Products pass various inspections before shipment.



### Reliable

keeping reputation, valuing contracts, supplying lower prices and better quality equipment.



### Safe & Efficient

Our products difference is clear. Safety. Quality. Efficiency. Reliability.



### Prompt delivery

Highest quality in the most cost effective way and prompt delivery.

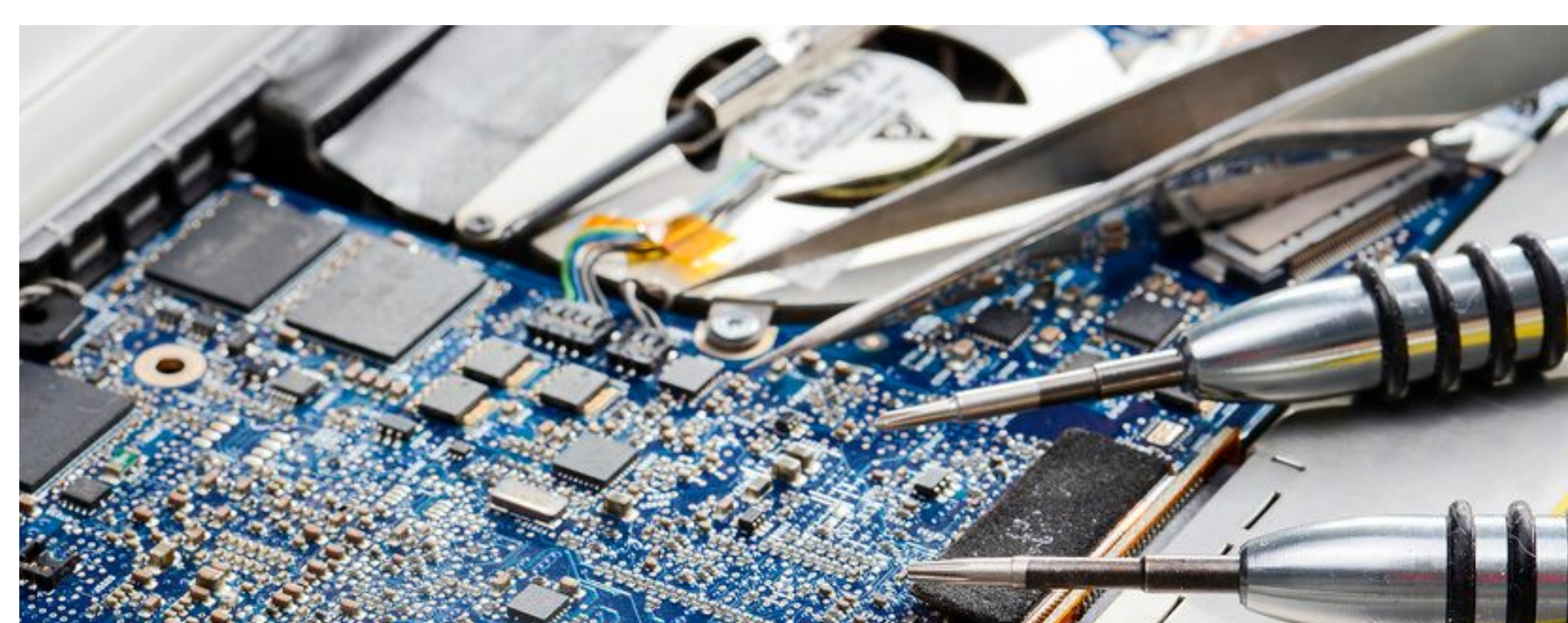


### Service & Support

We provide excellent performance products and perfect after-sale service wholeheartedly.

## Post-sales service

1. Product quality guarantee is for one year, after the date of our products sold.
2. Dedicated customer service and technical support.
3. Experienced OEM service made to customer specifications.
4. Repair and maintenance support
5. Available remote technical support (Online video)



# 02 R Series Rotary Evaporator

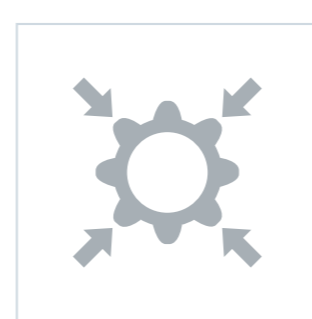


R1050

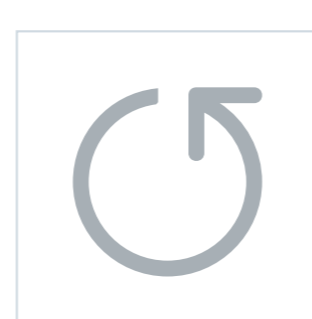
## Features



Teflon(PTFE) and fluororubber dual spin seal, patented technology to ensure the high vacuum.



Accurate and reliable temperature control system.



On the premise of not affecting the vacuum and solution distillation, continuous receiving allowable.



PTFE emptying valve, corrosion-resistant without any pollution.



Regular type and explosion-proof type, which can be adopted based on the experimental environment.



LCD Screen Display



DC Speed Regulator






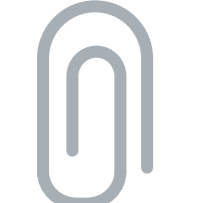

Rotating Bottle

## Technical Data

Model	R1005	R1006	R1010	R1020	R1050
Evaporating Flask (L)	5	6	10	20	50
Receiving Flask (L)	3	3	5	10	20
Bath Size (mm)	Φ300×170	Φ300×170	Φ300×170	Φ450×260	Φ450×260
Rotating Motor (W)	40	40	250	250	250
Rotating Speed (R/MIN)	10~140	10~140	20~130	20~130	20~110
Max. Vacuum (Pa)	399.9	399.9	399.9	399.9	399.9
Evaporation Rate (water)	≥2L/H	≥2L/H	≥3.2L/H	≥5L/H	≥9L/H
Evaporation Rate (ethanol)	≥4L/H	≥4L/H	≥6.5L/H	≥11L/H	≥19L/H
Lifting Mode	Automatic				
Lifting Height (mm)	0~150	0~150	0~160	0~190	0~180
Overall Power (KW)	2.3	2.3	3.3	4.3	6.3
Voltage	220V 50/60Hz Single phase				
Price (USD)	1,710	2,600	2,790	3,330	4,500

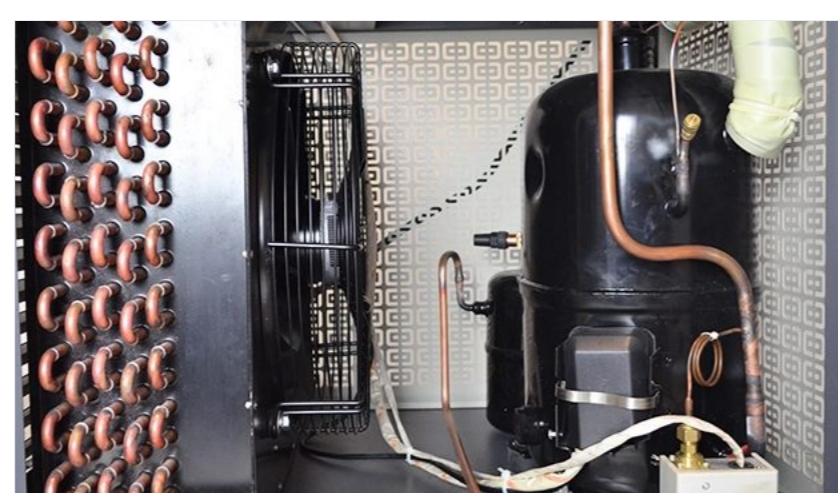
# 03 Recirculating Chiller

## Features

-  Prevent the steam from condensing in the cooling liquid.
-  Plate heat exchange + small body liquid storage tank to achieve rapid cooling.
-  Optional temperature range and cooling capacity.
-  Hermetic design, safe and reliable, effective against fire or other accidents.
-  Different power capacity is available. Voltage can be customized.



Frequency Regulator



circuit layout



Hydraulic Position



LMC-20/30

## Technical Data

Model	No load minimum temperature(°C)	Cooling capacity (W)	Flow	Lift	Coolant temperature(°C)	Temperature precision (°C)	Power supply V/HZ	Price(USD)
LMC-10/30	-32	2010-650	10L/min	7m	-30	±1°C	240V/60Hz single phase	1,800
LMC-10/40	-42	2800-550	10L/min	5m	-40			2,200
LMC-20/30	-32	2800-600	15L/min	8m	-30			2,200
LMC-30/30	-32	4600-600	15L/min	8m	-30			3,200
LMC-30/40	-42	7500-900	15L/min	8m	-40			3,450
LMC-30/80	-82	8760-950	60L/min	6m	-80			6,500
LMC-50/30	-32	10500-500	60L/min	6m	-30		220V/480V three phase	3,500
LMC-50/80	-82	15750-900	60L/min	6m	-80			10,500
LMC-100/40	-42	14000-2800	35L/min	12m	-40			3,900
LMC-200/40	-82	22000-3500	97L/min	9.7m	-40			9,000
LMC-200/80	-82	22000-3500	180L/min	15m	-80			14,300
LMC-300/40	-42	28000-4800	180L/min	9.7m	-40			10,500
LMC-300/80	-82	29000-5000	180L/min	15m	-80	15,600		



## New Closed Recirculating Chiller



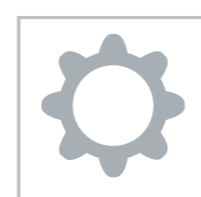
Operates stably from -120 °C to room temperature



Stable performance with low operating noise



Corrosion- and rust-resistant design for extended equipment lifespan



Sealed structure effectively prevents contamination of low-temperature liquids



## Explosion-Proof Recirculating Chiller



Available in standard explosion-proof and advanced explosion-proof configurations



Stable and reliable operation

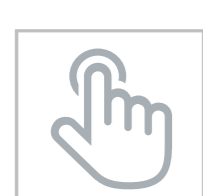


Sealed structure for enhanced safety and protection

## Explosion-Proof Recirculating Chiller



1000L large-capacity design



High cooling efficiency



Compatible with large-scale equipment and systems



# 04 Chiller&Heater

## Features



Suitable for high and low temperature circulation applications



Compatible with reactors, rotary evaporators, and other laboratory equipment



Compact structure with easy operation



Multiple safety protection functions for reliable use



LMCH-10/40



## Explosion-proof Chiller&Heater



Available in standard explosion-proof and advanced explosion-proof configurations



Stable and reliable operation



Customization available



PLC touchscreen intelligent temperature control



Remote operation and monitoring support





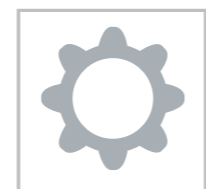
## PLC Explosion-proof Chiller&Heater



PLC touchscreen intelligent temperature control



Dual control system for material outlet



Meets explosion-proof application environment requirements



### Technical Data

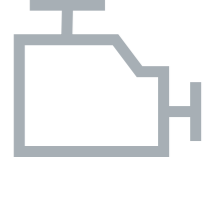



Model	Temperature Range (°C)	Compressor Power (Kw)	Cooling Capacity (Kw)	Circulation Pump Power (W)	Flow Rate (L/min)	Lift (m)	Heating Power (Kw)	Voltage (V)	Total Power (Kw)
LMHC-5/30	-30°C to 200°C	0.73	1.9-0.55	160	20	20	2	220	3
LMHC-10/30	-30°C to 200°C	0.975	2.1-0.5	160	20	20	3	220	4.2
LMHC-20/30	-30°C to 200°C	1.095	2.8-0.6	160	20	20	3	220	4.3
LMHC-30/30	-30°C to 200°C	1.5	5.625-0.9	160	20	20	4.5	220	6.3
LMHC-50/30	-30°C to 200°C	3.75	10.5-0.9	250	35	20	6	480	10
LMHC-100/30	-30°C to 200°C	5.25	15.33-1.1	370	42	28	9	480	15
LMHC-5/40	-40°C to 200°C	0.73	1.9-0.25	160	25	6	2	220	3
LMHC-10/40	-40°C to 200°C	1.125	2.8-0.6	160	20	20	3	220	4.5
LMHC-20/40	-40°C to 200°C	2.25	5.625-0.15	160	20	20	4.5	220	7
LMHC-30/40	-40°C to 200°C	3	7.5-0.8	160	20	20	4.5	480	7.7
LMHC-50/40	-40°C to 200°C	5.25	12.78-0.85	250	35	20	6	480	12
LMHC-100/40	-40°C to 200°C	5.25	15.75-0.9	370	42	28	9	480	15
LMHC-10/80	-80°C to 200°C	2.2	3.65-0.55	100	25	6	3	220	5.5
LMHC-20/80	-80°C to 200°C	6	9-0.6	100	25	6	4.5	480	11
LMHC-30/80	-80°C to 200°C	6	9.5-0.6	100	25	6	4.5	480	11
LMHC-50/80	-80°C to 200°C	10.5	15.75-0.6	280	35	10	6	480	17
LMHC-100/80	-80°C to 200°C	11.25	18.375-1.1	280	35	12	9	480	21
LMHC-10/100	-100°C to 100°C	3	3.65-0.55	100	25	6	3	220	6.2
LMHC-20/100	-100°C to 100°C	9	9-0.55	100	25	6	4.5	480	14
LMHC-30/100	-100°C to 100°C	9	9-0.55	100	25	6	4.5	480	14
LMHC-50/100	-100°C to 100°C	15.5	15.75-0.55	280	35	12	6	480	22
LMHC-100/100	-100°C to 100°C	16	18.37-0.55	280	35	12	9	480	25.5

The refrigeration system, heating system, and pre cooling system can be used continuously or separately.

Fast heating and cooling, capable of continuous temperature rise and fall, achieving the required temperature for experiments faster.

# 05 Centrifuge Extractor

## Features

-  Plate type structure. Four support, equipped with high viscosity elastic damping shock absorbers. Variable frequency drive with PLC system and touch screen.
-  Sanitary Stainless Steel Construction.
-  Low temperature with jackets for cooling circle liquid.
-  Easy Material Loading/ Unloading and Variable Speed Control.



SZ-600



The Controller

All parts and components of the production process are strictly controlled for the best quality laboratory equipment for customers

## Technical Data

Model	SZ-300	SZ-350	SZ-450	SZ-600	SZ-850	SZ-1000
Power Supply	220V/50HZ					
Rotating Speed	1200r/min		900r/min		780r/min	700r/min
Separation Factor	240w <sup>2</sup> r/g	280w <sup>2</sup> r/g	250w <sup>2</sup> r/g	270w <sup>2</sup> r/g		
Weight	200Kg	300Kg	480Kg	680Kg	820Kg	1200Kg
Motor Power	1.5KW	1.5KW	2.2KW	3KW	4KW	5.5KW
Shell Thickness	5MM			6MM		
Capacity (L)	19	30	60	110	200	300
Price (USD)	6,100	6,700	8,400	10,700	14,300	19,000

# 06 Molecular Distillation Unit



Stainless Steel Model

## Features

1. Short residence time, uniform heating;
2. Magnetic seal to prevent air/oil leakage;
3. Transparent high borosilicate glass to observe distillation process;
4. All-in-one control panel design 45 degree chute on the strip controls residence time;
5. Precisely designed wiper structure for high stability in long-term operation;

## Technical Data

Model (Glass material)	FZD-60	FZD-80	FZD-100	FZD-150	FZD-200	FZD-230
Effective Evaporation area	0.05m <sup>2</sup>	0.1m <sup>2</sup>	0.15m <sup>2</sup>	0.25m <sup>2</sup>	0.35m <sup>2</sup>	0.5m <sup>2</sup>
Barrel inside diameter	60mm	80mm	100mm	150mm	200mm	230mm
Motor Power	120W			200W		
Max RPM	450			400		
Processing Flow	1.0-3.0KG/H	2.0-5.0KG/H	3.0-8.0KG/H	2.0-12.0KG/H	2.0-12.0KG/H	2.0-20.0KG/H
Power supply	220V/60Hz					
Frame Material	SS304					
Glass Material	Borosilicate glass 3.3					
Chiller and Heater	Included					
Diffusion Pump and Preheating	Included					
Package	Plywood Box					
Customized Configuration	Available					
Price (USD)	26,500	29,000	32,000	38,500	52,000	63,900



Fully Automatic/Jacketed/Insulated Molecular Distillation System



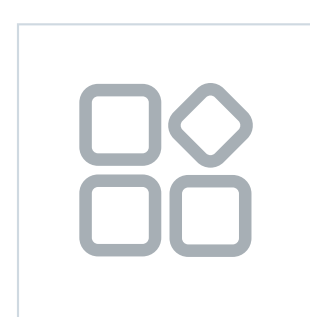
0.5m<sup>2</sup> Molecular Distillation System

# 07 Jacketed Glass Reactor

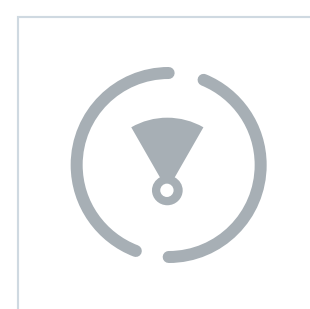
## Features



GG17 high borosilicate glass, with good chemical and physical properties Modular filter assembly can be easily detached for cleaning and filter paper replacement.



Center downward drain port with angled drain grooves allows easy material drainage.



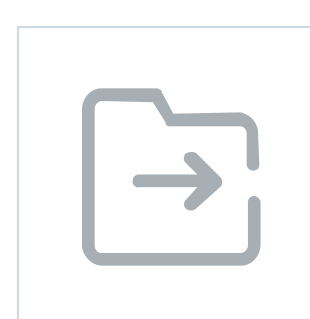
All PTFE filter components ensure clean and long lifespan operations.



Rugged stainless steel reinforced PTFE stirrer with anchored agitator, suitable for a wide range of viscous materials.



Easily visual operation with digital speed and temperature displays.



Heavy duty stainless steel supporting framework with lockable casters for mobility and stability.



S-50L



Glass discharge valve



Easy clean & Complete discharge



Gear motor

## Technical Data

Model	S-1L	S-2L	S-3L	S-5L	S-10L	S-20L	S-30L	S-50L	S-100L
Power Supply	220V/50HZ				110V/60HZ				
Stirring Power (W)	60			120			180		
Stirring Shaft Diameter (mm)	12			14		16		18	
Stirring Speed (rpm)	0~600 (Max. 1300)								
Torque (g/m)	2000	2400	4800	1000	1200		1500	3000	
Capacity (L)	1	2	3	5	10	20	30	50	100
Note	Floor type			304 all stainless steel frame					
Price (USD)	700	800	950	1,050	1,750	2,100	2,250	2,550	3,800

# 08 Elevating Jacketed Glass Reactor



Elevating Jacketed Glass Reactor



Electric lifting



Wide temperature resistance



Large opening for easy vessel cleaning



Explosion-proof Elevating Jacketed Glass Reactor



Explosion-proof system



Stable performance



Easy to clean



# Technical Data

Model	JHSF-10L	EXJHSF-10L	JHSF-20L	EXJHSF-20L	JHSF-30L	EXJHSF-30L	JHSF-50L	EXJHSF-50L
Kettle Body Material	High Borosilicate Glass							
Temperature Sensor Material	Stainless Steel Wrapped with PTFE, Double Anti-Corrosion							
Operating Temperature	-120-300°C							
Allowable Temperature Difference Between Inside and Outside of Jacket	60 (3-layer), 80 (2-layer)							
Condensation Area (m <sup>2</sup> )	0.35	0.35	0.45	0.45	0.5	0.5	0.65	0.65
Inlet and Outlet Circulation Port Diameter	Rc3/4"							
Power Supply	CE: 110-240V-50/60HZ; EX: 220-240V-50/60HZ							
Maximum Discharging Height (mm)	580	580	530	530	620	620	570	570
Price (USD)	5,300	5,600	5,600	5,900	6,200	6,500	7,200	7,500

# 09 Vacuum Drying Oven



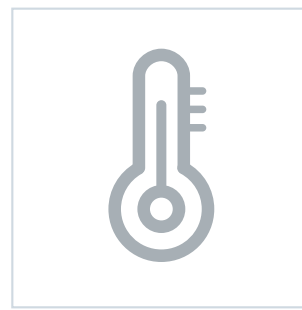
DZF-6020

Vacuum drying ovens are made up of stainless steel that can bear the high vacuum pressure without any kind of deformation. They are divided into hollow trays which increases the surface area for heat conduction.

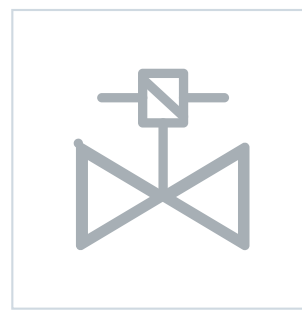
## Features



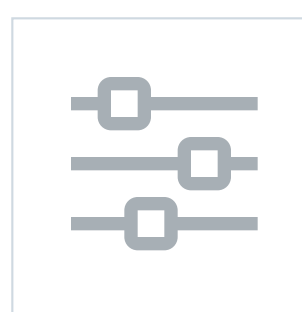
The vacuum tube around makes room temperature more uniform, avoiding organic connecting with fires burring.



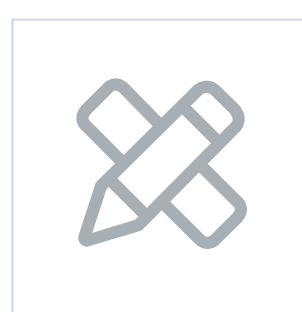
Set temp and control are all intelligent digital display, high accuracy.



All the models adopt jacketed vacuum glass door.



The door that can be adjusted is overall the silicone rubber molding circle, which can insure the vacuum degree.



We offer OEM and customization service as well.



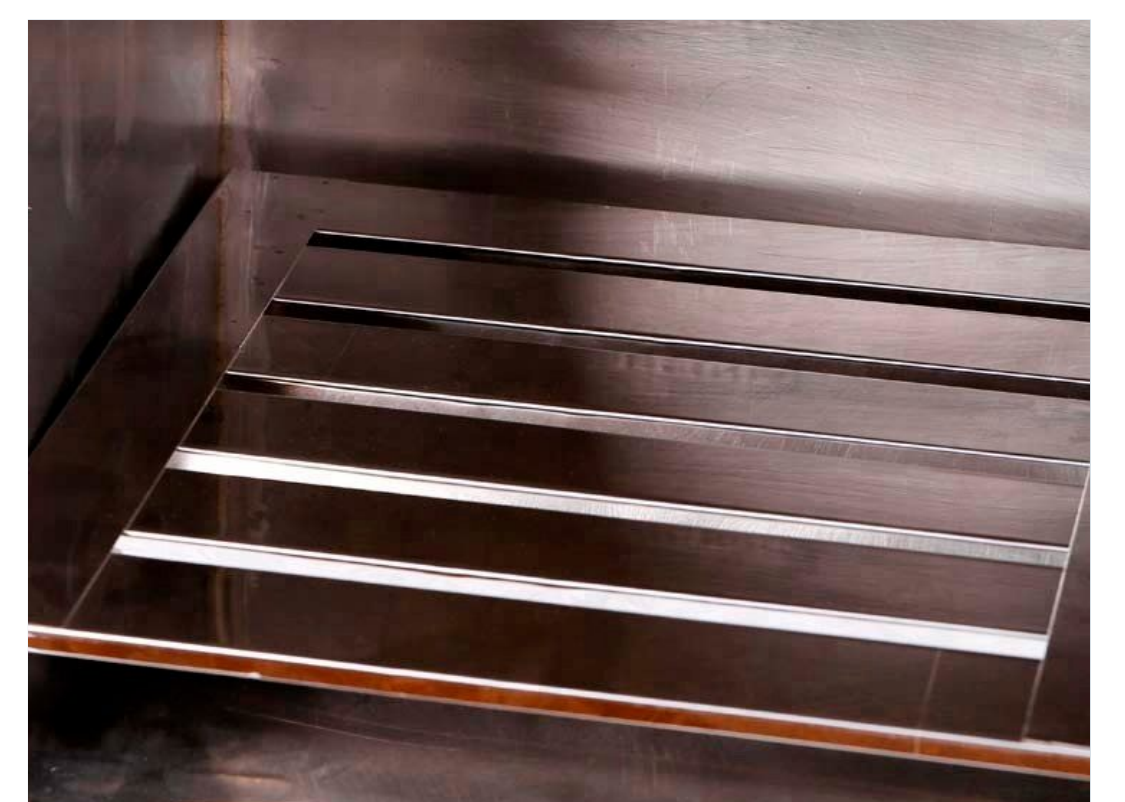
Double Layer Explosion-Proof Glass



Vacuum Gauge



Air Outlet & The Suction



304 stainless steel shelf

## Technical Data

Model	DZF-6010	DZF-6020	DZF-6050	DZF-6090	DZF-6210	DZF-6500
Power Supply	220V/50HZ					
Shell Material	Spray-paint Anti-corrosion					
Liner Material	304 Stainless Steel					
Temp. Range	RT+10~200°C					
Max. Vacuum Degree	0.098 Mpa					
Temp. Stability	±1.0°C					
Temp. Analysis	0.1°C					
Working Temp	+5~40°C					
Input Power (W)	400	800	1400	2000	2400	2800
Chamber Capacity (L)	8	25	55	90	215	431
Shelves (Pcs)	1		2		3	4
Price (USD)	430	520	750	1,550	4,400	8,600

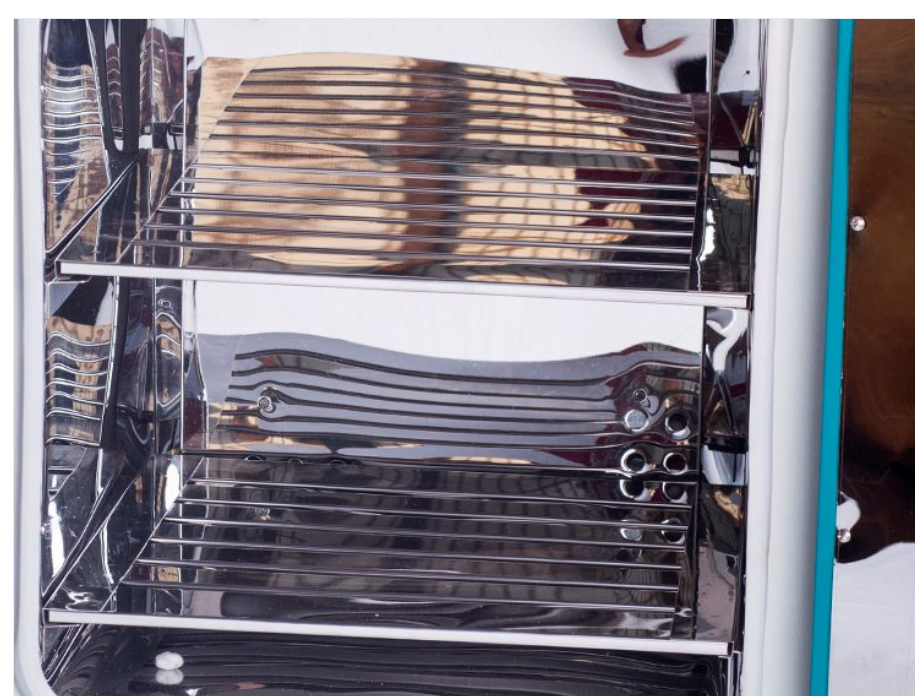
# 10 Forced Air Drying Oven



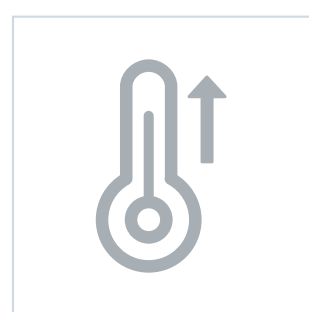
DHC-9070A



Blower



304 stainless steel shelf

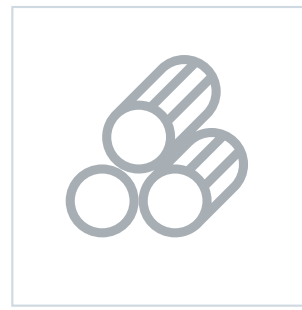


Stable temperature rising and air flu. The use of electrostatic spraying and senior hammer paint spraying, coating solid appearance.

## Features



Corrosion resistant stainless steel interior finish with toughened double glazing observation window.



Cold-rolled steel sheet shell with corrosion resistant sprayed.



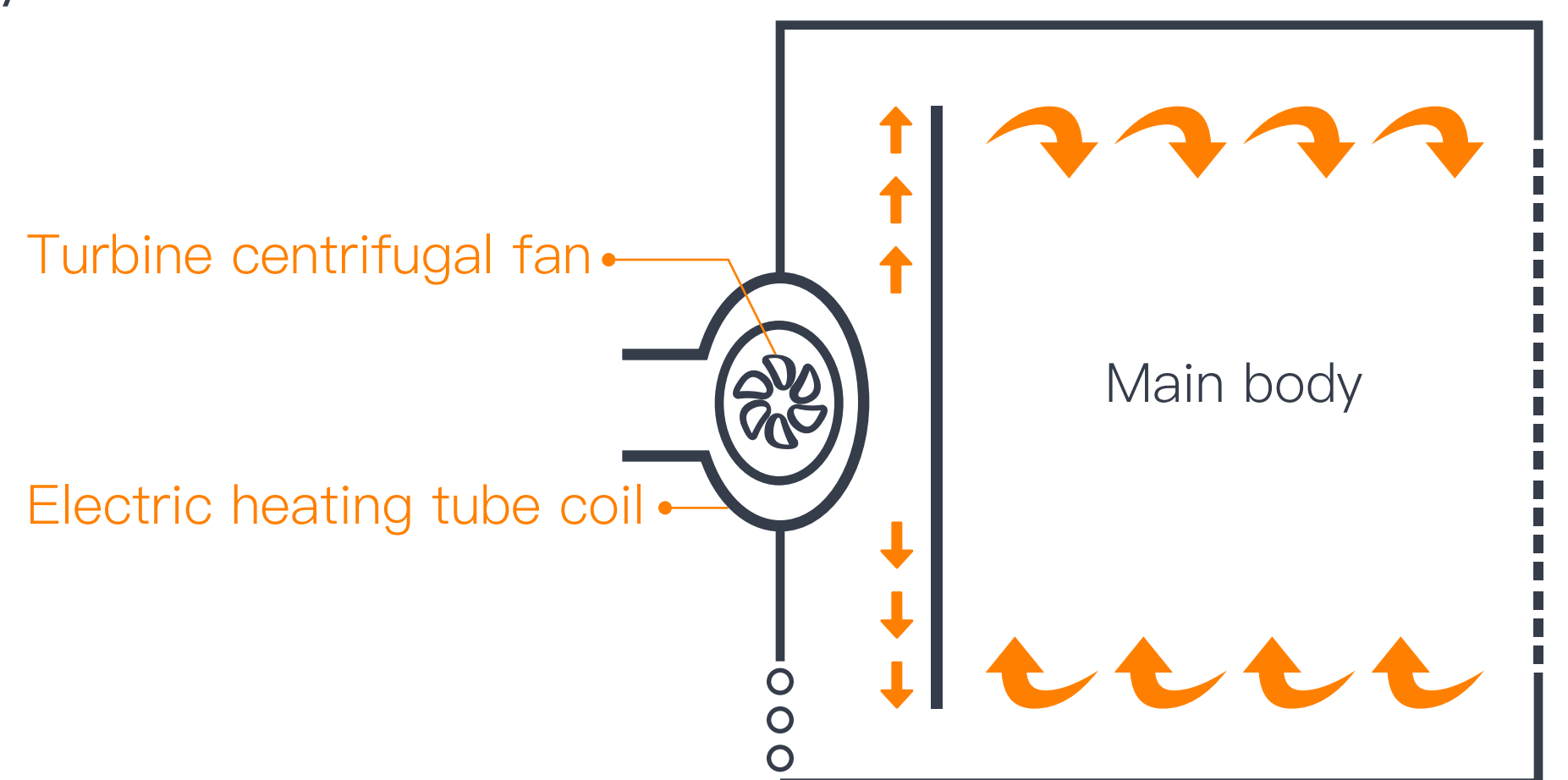
Led display, users friendly soft-touch control panel.



Micro-computer PID temperature control, precise and stable, easy timing.



Built-in over temperature deviation protection system, cuts power when temperature is beyond limit.



Side Fan and Heating Air Duct Design

## Technical Data

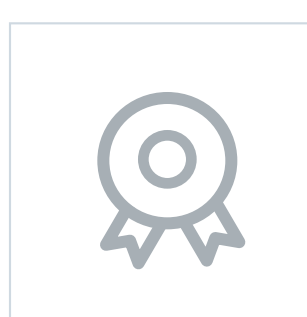
Model	DHG-9030A	DHG-9070A	DHG-9140A	DHG-9240A	DHG-9420A	DHG-9620A	DHG-9920A
Power Supply	220V/50HZ						
Shell Material	Spray-paint Anti-corrosion						
Liner Material	304 Stainless Steel						
Temp. Range	RT+10~200°C				RT+10~300°C		
Temp. Stability	±1.0°C						
Temp. Analysis	0.1°C						
Working Temp.	+5~40°C						
Input Power (W)	850	1100	1550	2050	3500	4000	6000
Chamber Capacity (L)	40	72	151	216	393	672	960
Shelves (Pcs)	1		2		3	4	5
Time Range	1~9999min						
Price (USD)	430	550	800	1,050	1,250	2,550	4,500

# 11 Circulating Water Vacuum Pump

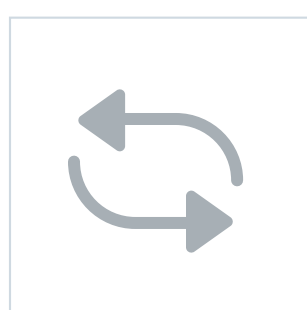


SHB-B95

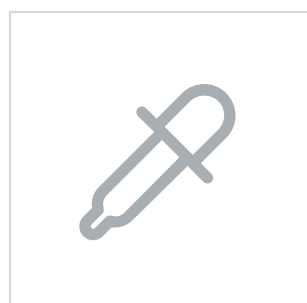
## Features



All major valves and parts are made of PTFE. Corrosion-resistant, non-polluting.



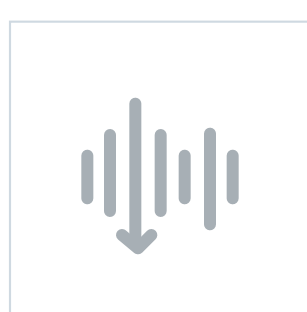
Recycled use water to reduce the water consumption.



Be a vacuum pump or circulating pump.



Novel appearance, easy to operate.



Low noise, stable performance.

## Application

The vacuum pump uses water to pull a vacuum. No oil is required. Each vacuum port pulls vacuum separately allowing for either two separate applications or connect them together for double the vacuum. This pump can also be used to re-circulate water through the back ports if needed.



SHZ-D(III)

## Technical Data

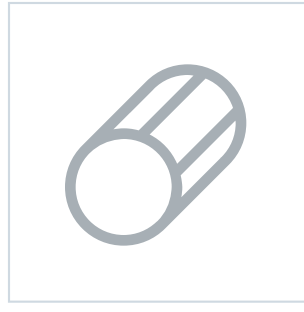
Model	SHZ-D(III)	SHZ-D(III) four meter, four tap	SHB-B95
Power (W)	180	370	
Voltage (V/Hz)	220/50		
Flow (L/min)		60	80
Lift (M)		8	12
Body material	Anti-corrosion/1Cr18		Anti-corrosive
Max. pressure (MPa)	0.098		
Sucking rate for single tap (L/min)	10		
Quantity of tap (Pcs)	2	4	5
Tank capacity (L)		15	50
Dimension (mm)	400x280x420		450x340x870
Weight (Kg)		15	37
Suggested Rotary Evaporator	2L-5L		10L- 50L
Price (USD)	220	280	460

# 12 Stainless Steel Depositing Tank

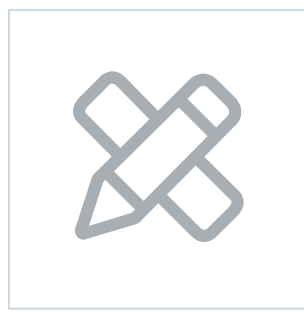


Model

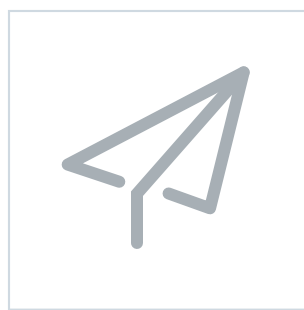
## Features



Stainless steel design, durable in use.



It can be designed and customized according to the customers' requirements.



Flexible mobility with buffer storage function, Material of insulation is Rock wool or PU.



Single layer tank or optional jacket form or three layers with insulation.



Suitable for raw materials or finished product of mobile, convenient off-line cleaning.



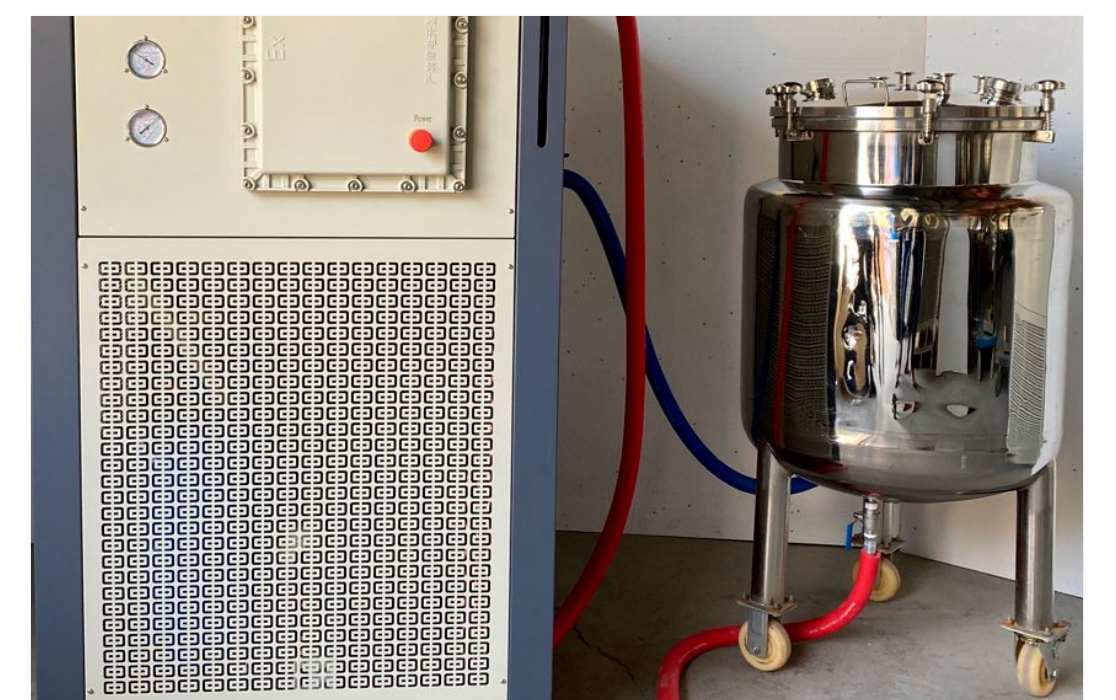
movable cosmetic storage tank



Convenient Off-Line Cleaning



Reasonable Design Of The Brake Wheel



Match Chiller Perfectly


## Technical Data

Model	DJT-150L	DJT-250L	DJT-300L	DJT-500L	DJT-1000L
Capacity	150L	250L	300L	500L	1000L
Thickness of Inner Layer	4mm		5mm		
Thickness of Middle Layer	3mm				
Thickness of Outer Layer	1.5mm				
Thickness of Jacket	2.5mm				
Thickness of Form Layer	5mm				
Vacuum Port	1/4" barb valve				
Discharge Valve	1				
Inlet and Outlet Valve	DN20			DN25	
Material	SS304				
Price (USD)	3,000	4,300	4,500	5,750	9,200

# 13 Contact Us

.



 86-371-86051511

 [jay@lmscientific.com](mailto:jay@lmscientific.com)

 <http://lmscientific.com/>

 Room 2103, #3 Building, #127 Zhengbian Road, Jinshui District, Zhengzhou City, Henan Province, China