

Rotary Evaporator

*With two main condenser
and two collection flask*

Energy-Efficient



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Research and
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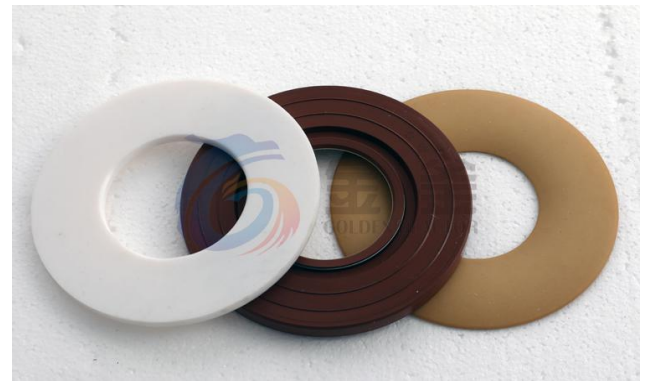
European
CE certification



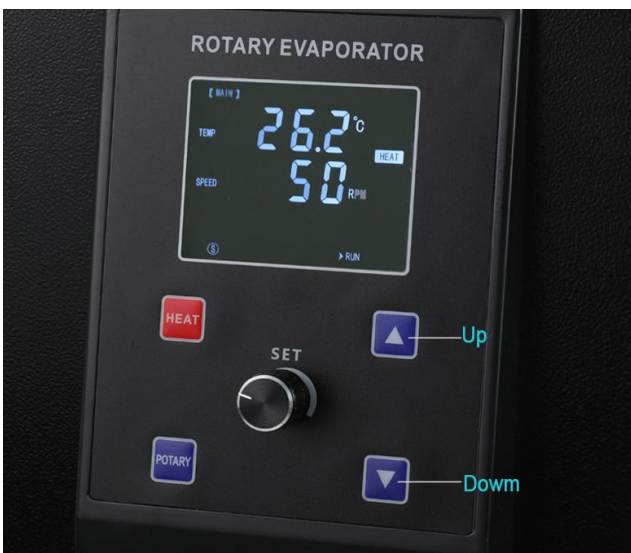
Delivery is
Fast&Guaranteed



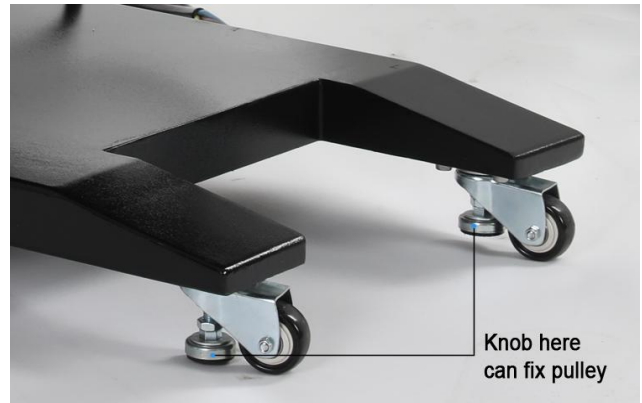
- Double Condenser and Collection Flask Design, double working efficiency and save time;
- All valves are made of PTFE, with good corrosion resistance, non-adhesion, non-toxic, anti-pollution.



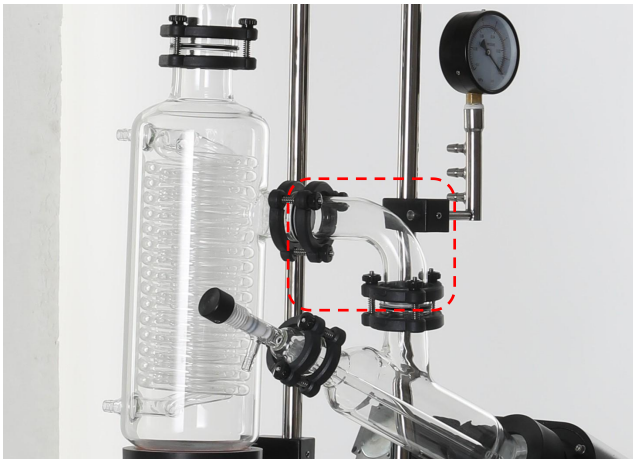
- Rotary seal (contact with material directly) with modified tetrafluoron, better corrosion resistance;
- Quick opening fixture, easy installation and disassembly.



- The temperature is controlled by "Super Fuzzy PID", with smaller temp. overshoot, faster stable time, better temp. control accuracy, °F and °C can be switched. RS485 communication is optional;
- 304 Stainless steel heating bath, Electric lifting, easy to operate.



- Ultimate vacuum level: <math>< 3\text{torr}</math>;
- Universal pulley, easy to move and can be fixed.



- Bump prevention tube: It can effectively prevent the material from accidentally boiling into the collection bottle and contaminate the collection;
- Check Valve: Continuous collected without affecting the system vacuum, improve the work efficiency.



- Hot Shields Optional: To avoid scalding when the pot heating;
- Multi-function stainless steel bottle holder: One person can also operate, making use more convenient and concise.

Technical Data

Model		RE10-2CC	RE20-2CC	RE50-2CC	
Voltage		220V ± 10%, 50/60Hz	220V ± 10%, 50/60Hz	220V ± 10% or 380V, 50/60Hz	
Rotation power		250W			
Heating power		3KW	3KW	6KW/9KW	
Glass material		High borosilicate glass 3.3			
Rotation speed		10-120rpm, It can be self-tuning	10-90rpm, It can be self-tuning		
Evaporating flask		Maximum load: Not to exceed 60% of the flask's capacity			
		Φ125mm Flange mouth			
		10L(2.64gallon)	20L(5.28gallon)	50L(13.2gallon)	
Rotary seal		Denatured PTFE, corrosion resistant			
Vacuum sealing		PTFE + Viton redesign gaskets, Excellent resistance to corrosive			
Charging valve		50 Flange	50 Flange	50 Flange	
Evaporation Capacity	H ₂ O	≥3.2L/h	≥5L/h	≥9L/h	
	Alcohol	≥6.5L/h	≥11L/h	≥19L/h	
Collection flask		5L(1.32gallon) *2Pcs	10L(2.64gallon) *2Pcs	20L(5.28gallon) *2Pcs	
Discharging valve		50 Flange			
Condenser	Type	Double coil spiral condenser			
	Cooling port	OD 15mm hose barb x4 (2 on main +2 on auxiliary)			
	Main	Φ 120*H570mm) *2Pcs	Φ 132*H640mm*2Pcs	Φ 160*H850mm*2Pcs	
	Auxiliary	Φ 133*H500mm	Φ 160*H500mm	Φ 160*H500mm	
Heating Bath		Temperature range: RT-99℃ (200℃), ±0.5℃			
		Temperature controller: LED Digital Display			
		Material: 304 Stainless Steel			
		Media: Distilled water or Oil			
		Max. Water level: Not to exceed 1" from the top rim of the bath			
		Heating ring 3KW *1pcs	Heating ring 3KW *1pcs	Heating ring 2KW *3pcs Heating ring 3KW *3pcs	
		Φ 295*170mm	Φ 400*240mm	Φ 540*310mm	
		Drain port: one			
		Electric Lift			
		Maximum lifting distance: 200mm (7.9in)			
Vacuum		Attainable vacuum: -0.1Mpa (-14.4Psi)			
		Vacuum gauge: -0.1Mpa~0.1Mpa			
		OD 12mm hose barb			
		50 Flange valve *2pcs			
Safety		Dry-run, over-temp shut-off, built-in circuit breakers			
Machine Size (mm)	Front	1050	1220	1250	
	Side	750	800	850	
	Height	2150	2300	2520	

Intellectualization

Humanness

MULTIFUNCTIONAL ANGLE GRINDER

STRONG POWER AND DURABLE POLISHING GRINDING CUTTING FUNCTION ANGLE GRINDER



Details and Features Shows

The road of the eagle force special magnetic sucker

1.

Double Sealing with Teflon and Viton

Teflon+ FKM orted fluoroprene
rubber double seal, which can
keep high vacuum degree.





2.

Charging Valve

It's convenient for continuous liquid feeding; The end of the valve is connected to the teflon tube into the rotating bottle.

3.

Vertical Condenser

High-efficiency vertical double spiral condenser, to speed up recovery



4.

Water/Oil Bath

The bath is made of aluminum alloy and teflon

5.

Protective Cover

It's equipped with an organic transparent protective cover to prevent the hot liquid from splattering out in the bath pot, so as to ensure safe operation.



6.

Manual Weight Balance Lifting

Main engine manual gravity balance lifting, sliding lifting + manual lifting. Press the handle down, the main engine rise, rotational lock.

7.

Electric stepless speed regulation

Electric stepless speed controller, Speed digital display, easy to operate.



1

Reasonable Structure Exquisite Materials

The main frame is aluminum alloy.



2

Digital Display Intelligent Constant Temp.

Digital display of water bath pot,
intelligent constant temperature
control, PT100 sensor fast
accurate transfer temperature.



3

Antiseptis Resisting Temperature

All glass parts are made of high borosilicate glass GG-17.



4

Automatic Switch Off Safety Protection

Fuse safety protection with anti-dry-burning automatic power-off function.

Technical Data

Basic Parameters	Model	RE-2010	RE5000
	Glass Material	GG-17	GG-17
	Frame Material	aluminium alloy	aluminium alloy
	Bath Material	aluminium alloy+PTFE	aluminium alloy+PTFE
	Rotary Flask	1L 24#(optional 0.5-2L)	5L
	Receiving flask	1L 35# ball mill mouth	2L
	Motor power	40W	40W
	Rotary Speed	20-195rpm	0-180 rpm
	Evaporate Capacity	20ml/min(Water)	20ml/min(Water)
	Vacuum Degree	0.098Mpa	0.098Mpa
	Heating Power	1.5KW	1.5KW
	Temp Range	0-99℃	0-99℃
	Accuracy	±1℃	±1℃
	Lift	100mm+150mm(Manual Lift)	120mm(Electric Lift)
	Power supply	220V/50Hz	220V/50Hz
	Dimensions	550*400*780mm	700*410*880mm
	Packing size	720*525*385mm	640*540*690mm
G.W.	40 (KG)	65 (KG)	
Functional Configuration	Speed regulation	E-CVT	E-CVT
	Temp display	PT100Digital display	PT100Digital display
	Temp Control Mode	intelligent temperature control	intelligent temperature control
	Seals	PFTE+FKM	PFTE+FKM
	Condenser	Vertical condenser \varnothing 85*430mm, oblique condense is optional	Vertical condenser \varnothing 100*590mm, oblique condense is optional
	Continuous charging	19# inlet valve	19# inlet valve
	Safety	Overload protection function (insurance)	Overload protection function (insurance)

Technical Data of Mini Rotary Evaporator

Model		RE-52AA	RE-205	RE-301	RE-501	RE-1005
Voltage		220V/50Hz, ±10% (110V Optional)				
Rotation power		40W	40W	40W	60W	60W
Heating power		1KW	1.5KW	1.5KW	1.5KW	1.5KW
Glass material		High borosilicate glass 3.3				
Rotation speed		0~120r/min	0~120r/min	0~120r/min	0~120r/min	0~150r/min
Rotary flask		0.25-2L	0.5-2L	3L	5L	5-6L
		Loading capacity: Not to exceed 60% of the flask's capacity				
		24#	24#	50# Flange	50# Flange	60# Flange
Receiving flask		35#/500ml	1L	2L	3L	3L
Discharging valve		/	/	Glass with PTFE	Glass with PTFE	Glass with PTFE
Charging valve		19# Glass	19# Glass	19# Glass	19# Glass	PTFE
Evaporating speed		H ₂ O≥1.2L/h	H ₂ O≥L/h	H ₂ O≥1.5L/h	H ₂ O≥2L/h	H ₂ O≥2.5L/h
Condenser	Type	Vertical snake condenser				
	Area	0.15 m ²	0.15 m ²	0.2 m ²	0.3 m ²	0.57 m ²
Heating Bath (mm)		Temperature range: RT-99℃ (200℃), ±1℃				
		Temperature controller: LED Digital Display				
		Media: Distilled water or Oil				
		Max. Water level: Not to exceed 1" from the top rim of the bath				
		Electric Lift	Manual Lift			Electric Lift
		φ 240*150 With cap	φ 240*150	φ 260*150	φ 280*150	φ 320*170
Vacuum		Vacuum gauge: -0.1Mpa~0.1Mpa				
		OD 12mm hose barb				
Machine size (mm)	Front	640	660	700	700	800
	Side	400	300	335	335	470
	Height	960	885	970	1010	1060
Packing size(mm)		660*630*640	650*470*520	870*670*540	870*670*540	600*520*790
GW(Kg)		37	55	62	65	70

Technical Data of 100L Rotary Evaporator

Model	RE-1100
Rotary Flask	100L Φ 177mm (Flange mouth)
Collection Flask	50L
Rotary Speed	20~90r/min
Rotary Motor	370W
Condenser	Main condenser+assistant condenser
Seal Assembly Seal	PTFE+ Rubber ring seal (High corrosion resistance seals are optional)
Heating Bath	Stainless steel water/oil bath, All-in-one electric lift
Temp. Range	Water: RT~99 $^{\circ}$ C Oil: RT~200 $^{\circ}$ C
Vacuum Gauge	-0.1Mpa~0Mpa
Evaporative Power	H ₂ O \geq 15L/h, Alcohol \geq 31.5L/h
Heating Power	18KW
Glass material	G17 High borosilicate glass
Frame material	SS304
Bath material	SS304 with teflon coat
Seal parts	Teflon Seal, Corrosion Resistant
Machine size	1700*950*2450mm
Voltage	380V/50Hz, 3-Phase