Infitek

ROTARY EVAPORATOR

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Infitek

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Rotary Evaporator (Lab-scale)

REV100-P REV100-S

Features



Patented double spring sealing ring made of PTFE provides an excellent sealing performance.



Condenser--cooling surface 1700cm²



5L heating bath with wide temperature range from room temp. to 180°C, Water/oil heating mode can be changed only through a switch.

Boil-dry protection, automatically power off if heating without water/oil in the heating bath.

Speed range from 20 to 280rpm, and interval operation in clockwise and anticlockwise directions for drying process.

Overheating protection temperature at 220°C.

Remote function provides PC control and data transmission.

Ejection mechanism ensures easy removal of evaporating flask.

The difference

REV100-P

Digital display of both rotation speed and heating temperature allows effective control of all distillation processes.

Automatic motor lift releases the evaporating flask to a safe position in case of power failure.

REV100-S

Manual lift combined with auxiliary lift for precise positioning of the glassware.



REV100-P



REV100-S

REV100-S heating bath independent temperature control,make it can be used separately.

Specifications

Model	REV100-P	REV100-S
Evaporating Flask Volume	50-3000ml (Standard configuration-1000ml) (Optional thickened glass axis compatible with 3L evaporating flask)	
Receiving Flask Volume	100-2000ml (Standard configuration-1000ml)	
Motor Type	Brushless DC motor	Brushless DC motor
Speed Range	20rpm-280rpm	20-200rpm
Display	LCD (speed, temperature, time)	LED (speed, temperature, time)
Clockwise and Anti-clockwise	Yes	Yes
Heating Temperature Range	Room temp. to 180℃	Room temp. to 180℃
Control Accuracy	water: ±1℃ oil: ±3℃	water: ±1℃ oil: ±3℃
Heating Power	1300W	1200W
Stroke Displacement	automatic 150mm	Manual 110mm + auxiliary100mm
Timer	Yes	Yes
Time Setting Range	1-999min	1-999min
Interval Time Setting Range	1~999s	1~999s
Dimension (D×W×H)	Main Unit:465*457*583mm	Main Unit: 440*320*450mm
	Heating Bath: 300*300*240mm	Heating Bath: 300*300*240mm
Weight	15kg	Main Unit: 7 kg Heating Bath: 3 kg
Permissible Ambient Temperature	5℃-40℃	5~40℃
Permissible Relative Humidity	80%RH	80%RH
Protection Class	IP20	IP20
USB Interface	Yes	Yes
Voltage/Frequency	100V-120V/200V-240V 50Hz/60Hz	100V~120V/200V~240V 50Hz/60 Hz
Power	1400 W	1245 W
Supporting products	REV100-P+ Diaphragm Vacuum Pump VACP-D410+Low Temperature Circulator RECL20-4.5+Vacuum Controller VACC100	

Accessories



VACP-D410 VACC100 REV100-S RECL20-4.5



VACP-D410 VACC100 REV100-P RECL20-4.5



Vertical

Cat. No.	Glassware type	Volume	Cooling surface
18900165	Evaporating flask (NS29/32) Receiving flask (KS35/20)	1000mL	1700cm²
18900173	Evaporating flask (NS24/40) Receiving flask (KS35/20)	1000mL	1700cm²
18202510	evaporating flask (NS 29/32) Receiving flask (KS 35/20)	1000mL	1200cm²
18900476	Evaporating flask (NS 24/40) Receiving flask (KS 35/20)	1000mL	1200cm²



Diagonal

Cat. No.	Glassware type	Volume	Cooling surface
18900163	Evaporating flask (NS29/32) Receiving flask (KS35/20)	1000mL	1700cm²
18900171	Evaporating flask (NS24/40) Receiving flask (KS35/20)	1000mL	1700cm²



Heating Bath Lid

Cat. No.	Description
18900547	Heating Bath lid for REV100-S, improve distillation efficiency & ensure personal safety from liquid splash



Foam brake

Cat. No.	Volume	Size
18300093	250ml	NS 29/32
18300207	250ml	NS 24/40



Evaporation tube

Cat. No.	Volume	Size
18100998	Glass axis	NS 29/32
18204253	Thickened glass axis	NS 29/32
18300206	Glass axis	NS 24/40
18203431	Thickened glass axis	NS 24/40



Evaporating flask

Cat. No.	Volume	Size
18300116	50mL	NS 29/32
18300117	100mL	NS 29/32
18300118	250mL	NS 29/32
18300119	500mL	NS 29/32
18300120	1000mL	NS 29/32
18300121	2000mL	NS 29/32
18300122	3000mL	NS 29/32
18300655	50mL	NS24/40
18300201	100mL	NS 24/40
18300202	250mL	NS 24/40
18300203	500mL	NS 24/40
18300204	1000m	NS 24/40
18300205	2000mL	NS 24/40
18900204	3000mL	NS 24/40



Vacuum regulator

Cat. No.	Volume
18900186	In use of control small volume, installed in a vacuum between VACC100 and vacuum system. Material: PVDF, PTFE, ABS, Borosilicate Glass, stainess Steel



Receiving flask

Cat. No.	Volume	Size
18300107	100ml	KS 35/20
18300108	250ml	KS 35/20
18300109	500ml	KS 35/20
18300110	1000ml	KS 35/20
18300111	2000ml	KS 35/20



Distilling spider with 5 flasks (without flask)

Cat. No.	Volume	Size
18900194	/	NS 29/32, NS24/29
18900177	/	NS 29/42, NS24/40



Connector

Cat. No.	Volume	Size
18300094	/	NS 29/32, NS24/29
18300095	/	NS 29/32, NS19/26
18300096	/	NS 29/32, NS14/23
18300199	/	NS24/40, NS19/22
18300200	/	NS 24/40, NS14/20
18900193	/	NS 24/40, NS 29/42

Seals and other accessories



18901103



18900190



18900188

Cat. No.	Volume
18901103	Vacuum seal (PTFE+Viton)
18900190	Evaporation flask clip(red)NS29/42
18900188	Evaporation flask clip(green)NS24/40

Rotary Evaporator, （Industrial Sacle）

REV200-P



Features



Patented connector for evaporating flask easy & quick installation.



Large LCD digital display with heating temperature, rotation speed, clockwise and Anti-clockwise, time information.

PTFE double sealing ring with excellent sealing performance.

Speed range from 10 to 150rpm, and interval operation in clockwise and anticlockwise directions for drying process.

One-click automatic motor lifting (stroke 180mm), smooth and silent.



Three-layer high-efficiency condensing tube with large condensation area and strong evaporation capacity, ensuring efficient sample recovery.



A switching valve for continuous collection without compromising the system vacuum and solvent distillation.



Water/oil heating bath with wide temperature range from room temp. to 180°C.

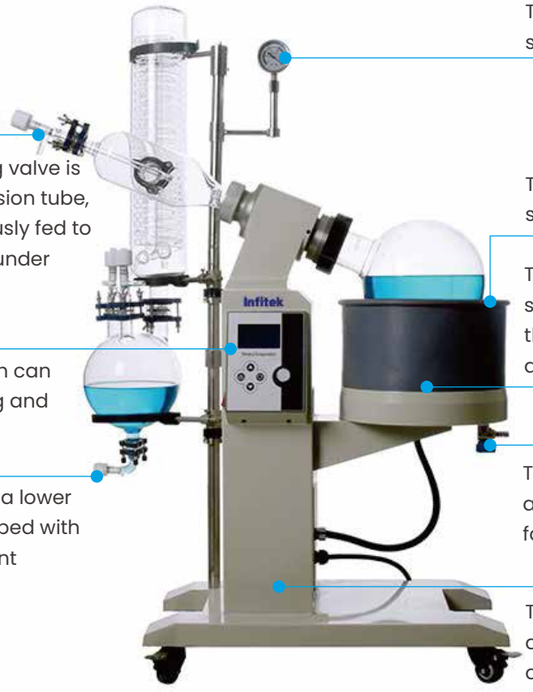
Specifications

Model		REV200-P
Performance	Temperature range	Room temp. -180℃ (both water and oil)
	Control accuracy	Water: ±1℃ Oil: ±3℃
	Rotation speed	10rpm~150rpm
	Evaporation capacity	Max. 4.0L/h (water vapor volume)
	Ultimate vacuum	< 2.6 hPa
function	Temperature control method	Micro processer PID control
	Display	LCD (temperature/speed/clockwise and Anti-clockwise/time)
	Stroke displacement	Automatic 180mm
	Safely features	Motor over-current protection, Residual Current Device, lifting over-load protection, Boil-dry protection, over-temperature protection
constitute	Sample flask	Round flask 20L
	Receiving flask	Round flask 10L with drain value
	Condenser	Two-section vertical triple serpentine condenser, cooling surface 1.2m2
specifications	Heating bath size	Φ450mm×240mm
	Takeover caliber	Cooling/suction nozzle outer diameter 16mm, vacuum pump nozzle outer diameter 16mm
Dimension (D×W×H)		1160mm×600mm×1860mm
Power supply		220V/4600W/50Hz/60Hz

Rotary Evaporator

REV-1005II REV-1010II REV-1050II

Features



The piston-type feeding valve is sleeved with PTFE extension tube, which can be continuously fed to the evaporation bottle under vacuum status.

Large LCD display, which can control rotation, heating and lifting at the same time

The collection flask has a lower discharging port, equipped with glass + PTFE independent discharge valve.

The bath is made of 304 stainless steel.

The bath is made of 304 stainless steel.

The bath can be lifted electrically. A silicone cover is equipped outside the bath for heat insulation and anti-scalding.

There is a water discharging valve at the bottom of the bath to facilitate liquid discharge

The stent is made of cold plate anti-corrosive spray+ aluminum alloy material.

If the power is suddenly cut off while the machine is working, the machine will automatically stop heating when the power is turned on again.

The parts in contact with the material are all made of high borosilicate glass (expansion coefficient 3.3) and PTFE materials, which have stable performance and are not easy to react with the materials.

The sealing system uses PTFE + fluororubber compound sealing.

Thermostat controlled bath, with PT100 sensor + stainless steel probe at the bottom of bath

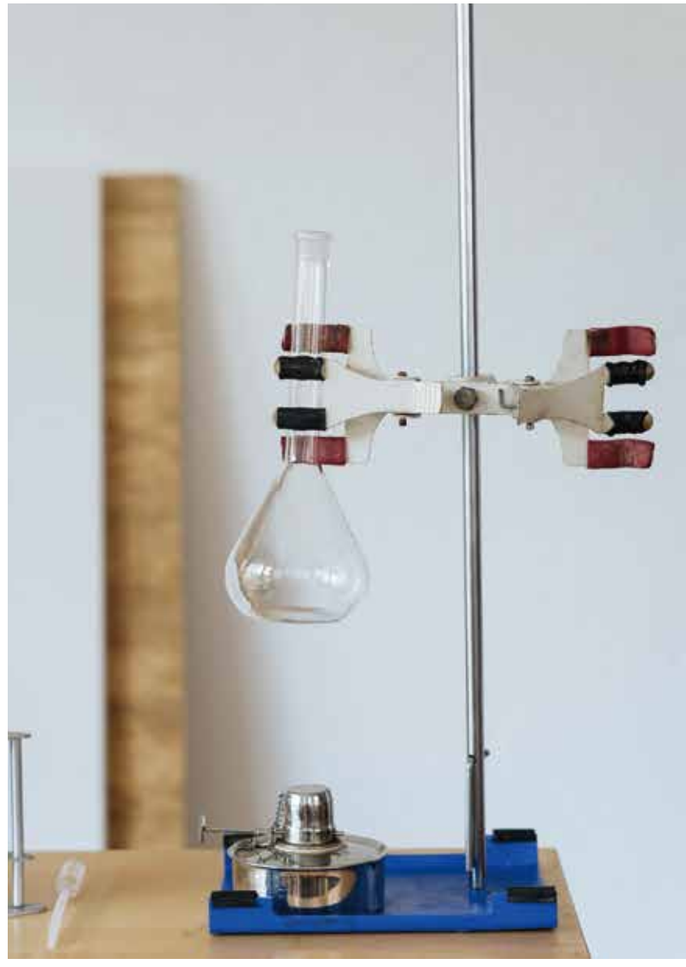
Rotating and heating double fuses safety protection

Using brushless deceleration booster motor as rotary motor, no spark and low noise.Lifting motor also uses deceleration booster motor.

Over-temperature protection function, when the actual temperature> setting temperature+5 ℃, the machine will automatically power off.

Vacuum switching valve can continuously collect and discharge materials without affecting the system vacuum and solution distillation

Anti-drying function, when the water level in the heating bath is lower than the heating tube, the machine will automatically power off.



The difference

REV-1005II

Upright single-layer serpentine coil as condenser.

Supporting products:
REV-1005II+Water Circulating Vacuum PumpVACP-WC3Y+Low Temperature Circulator RECL20-20



REV-1005II



VACP-WC3Y REV-1005II RECL20-20

REV-1010II REV-1050II

Upright double-layer serpentine coil as condenser, main condensing+auxiliary condensing double condenser.



REV-1010II REV-1050II

Specifications

Model	REV-1005II	REV-1010II	REV-1050II
Voltage/Frequency	220V 50Hz/110V 60Hz	220V 50Hz/110V 60Hz	220V 50Hz/110V 60Hz
Total Power	2100W	3100W	6640W
Rotary motor power	60W	60W	100W
Lifting motor power	40W	40W	40W
Heating power	2000W	3000W	6500W
Vacuum	0.095Mpa	0.095Mpa	0.095Mpa
Rotary flask volume	5LΦ230mm/Φ80 flange port	10LΦ280mm/Φ95 flange port	50LΦ470mm/Φ125 flange port
Collecting flask volume	3LΦ195mm/upper Φ50 flange port× Φ35 flange port×2 pcs × lower Φ50 flange port	5LΦ230mm/upper Φ60 flange port×Φ35 flange port×2 pcs × lower Φ50flange port	20LΦ355mm/upper Φ60 flange port×Φ35 flange port×2pcs×lower Φ50 flange port
Rotary speed	0-120rpm	0-120rpm	0-120rpm
Temperature control range	Room temperature-180℃	Room temperature-180℃	Room temperature-180℃
Temperature control accuracy	±1℃	±1℃	±1℃
Bath lifting stroke	140mm	190mm	215mm
Condenser dimension	Φ120×600H(mm) side Φ50 flange port × lower Φ50 flange port	Main condenser Φ120×620H(mm), upper Φ60 flange port, lower Φ80 flange port Auxiliary condenser Φ135×475H(mm), upper Φ 80 flange port, lower Φ60 flange port, side Φ60 flange port	Main condenser Φ160×835H(mm), upper Φ60 flange port, lower Φ80 flange port Auxiliary condenser Φ160×530H(mm), upper Φ 80 flange port, lower Φ60 flange port, side Φ60 flange port
Condensing area	0.5㎡	0.51(0.33+0.18)㎡	1.44(0.95+0.49)㎡
Gas cylinder	Left Φ35 flange port, side Φ50 flange port, rightΦ50 flange port	Left Φ35 flange port, upper Φ35 flange port, side Φ60 flange port, right Φ60 flange port	Left Φ35 flange port, upper Φ35 flange port, side Φ60 flange port, right Φ70 flange port
Material feeding valve	Φ35 flange port, glass + PTFE valve, material feeding valve (pagoda joint) with 12mm outer diameter	Φ35 flange port, glass + PTFE valve, material feeding valve (pagoda joint) with 12mm outer diameter	Φ35 flange port, glass + PTFE valve, material feeding valve (pagoda joint) with 12mm outer diameter
Temperature measuring port	/	Φ35 flange port, glass + PTFE valve, glass valve (pagoda joint) with 12mm outer diameter	Φ35 flange port, glass + PTFE valve, glass valve (pagoda joint) with 12mm outer diameter
Releasing valve	Φ35 flange port×2, glass + PTFE valve, releasing valve (pagoda joint)with 12mm outer diameter	Φ35 flange port×2, glass + PTFE valve, releasing port (pagoda joint)with 12mm outer diameter	Φ35 flange port×2pcs, glass + PTFE valve, releasing valve (pagoda joint) with 12mm outer diameter
Material discharging valve	Φ50 flange port, side discharging valve (pagoda joint) with 20mm outer diameter, 260mm from the ground	Φ50 flange port, side discharging valve (pagoda joint) with 20mm outer diameter, 210mm from the ground	Φ50 flange port, side discharging valve (pagoda joint) with 20mm outer diameter, 300mm from the ground
Vacuum nozzle	Pagoda joint with 10mm outer diameter	Φ60 flanged glass nozzle（pagoda joint)with 10mm outer diameter	Φ60 flanged glass nozzle（pagoda joint)with 10mm outer diameter
In and out circulating nozzle of condenser coil	Pagoda joint with 16mm outer diameter	Pagoda joint with 16mm outer diameter	Pagoda joint with 16mm outer diameter
Bath dimension/weight	Φ295×175H(mm) about 12L	Φ350×220H(mm) about 21L	Φ550×320H(mm) about 76L
Overall dimension(W*D*H)	980×480×1260mm	1130×470×1940mm	1390×700×2300mm
Net weight	46KG	64KG	97KG
Packing dimension	800×450×1090mm wooden package 0.39m³	980×520×1190mm wooden package 0.61m³	1230*630*1430mm wooden package 0.61m³
Packing weight	68KG	101KG	142kg
Supporting products	REV-1005II+Water Circulating Vacuum PumpVACP-WC3Y+ Low Temperature Circulator RECL20-20	REV-1010II +Water Circulating Vacuum Pump VACP-WC95A + Low Temperature Circulator RECL20-20	REV-1050II +Water Circulating Vacuum Pump VACP-WC95A + Low Temperature Circulator RECL30-50

Rotary Evaporator (Lab-scale)

REV-1000AX





The special bottle returning knob design makes bottle returning simple and convenient



Large screen color touch screen, multi data display, menu interface



Integrated glass rotating shaft, stable start, forward and reverse operation
Sealing parts: sealing imported PTFE special process mold synthesis

Features

- Commonly used experimental data storage, one-button start, fast distillation.
- Heating bath, Teflon coating, easy to clean, corrosion resistance, high temperature resistance.
- Built-in vacuum control system, automatic pressure relief, convenient and quick setting.
- Automatic lifting, with safety stop function, timing function design.
- With USB interface interface data export, printing function.
- Vertical, the condenser tube is designed with a drip point and an anti-backflow device.
- The heating bath is designed with a safety handle to prevent burns.



Safe operation function in unmanned mode, automatic standby after experiment.
The structure is compact and small, and it takes up less space.
Anti-dry protection, over-temperature power failure warning, automatic standby protection.

Specification

Model	REV-1000AX
Rotating Speed	0~310rpm
Vacuum control	Vacuum control range;0~-0.1Mpa(0~1013mbar);Accuracy±1，Vacuum degree can be controlled arbitrarily。At the end of the experiment, automatic pressure relief, point/key pressure relief function It can be controlled by 10-stage gradient distillation program, and the vacuum degree can be controlled step by step during vacuum distillation by synthesis experiment. Commonly used 40 kinds of experimental data storage, one - button start, fast distillation.
Evaporation capacity	Max.25ml/min(H_2O)
Vacuum of equipment	The vacuum inside the device can reach 2mbar
Temperature range	Water and oil pot Water bath：Room temperature~99℃，±0.5℃ Oil bath：Room temperature~210℃，±2℃
Bath material	①Disposable molded Teflon coating, easy to clean, corrosion resistance, high temperature resistance ②Heating pot with safety handle, shell insulation, prevent scald, moderate volume, rapid heating ③Equipped with transparent protective cover: heat preservation, energy saving, explosion-proof, anti-splash
Bath size	φ20X11.5cm（about 3.5L）Bath pan sliding base can freely move 120mm to the right
Sample bottle	Positive rotation, reverse rotation, intermittent positive and negative rotation, intermittent time adjustable 0~60s, can be used in powder sample hair drying treatment
Lift stroke	Touch automatic balancing lifting (lifting stroke 130mm) down to the end point with a fixed 30mm safe distance to prevent collision
Temperature Control	Double touch screen control system, digital display, over-temperature warning lifting automatic, automatic pressure relief, equipment shutdown function
Temperature setting	Touch type digital input setting, dual screen control display, convenient and fast Steam temperature monitoring function (optional for specific users)
Safety performance	Anti-dry burning over-temperature warning, abnormal warning of rotating motor, automatic lifting of test bottle to the highest; Timing function (0~999min), after reaching the predetermined time, the equipment will automatically relieve pressure, lift and lift the evaporation bottle, and the equipment will be ready for early warning protection
Heater	Fully enclosed heater.
1kW	1kW
Application scope of sample bottle	25~1000ml
Sealing unit	Imported PTFE special synthetic material is selected, which is processed by special technology to synthesize abrasive tools, enhancing sealing, anti-corrosion and wear resistance
Condenser	Vertical, three-layer ball grinding mouth snake condensing tube, condensing area of 0.18m², with dripping point and back flow design (effectively improve work efficiency)
Service ambient temperature	5~40℃
Voltage	AC220V/50HZ
Configuration	Sample bottle 1L* 1; Recycling Bottle S35# Ball Grinding Mouth Collection Bottle 0.5L* 1
Size/Weight	Package size: 67*50*46.5cm Instrument size: 55*36*64cm Gross weight: 34kg
Supporting products	REV-1000AX + Diaphragm Vacuum Pump VACP-D20 + Low Temperature Circulator RECL20-2X

Rotary Evaporator (Lab-scale）

REV-2000AX　REV-3000AX　REV-5000AX



REV-2000AX



REV-3000AX　REV-5000AX

Rotary Evaporator
With Digital Steam Sensing

Mainly used in medical and health, food, biological industry, agriculture and other industries

Features



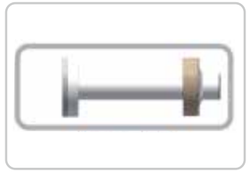
Vertical condenser with drip point design prevents backflow.



Anti-dry auto-lifting and automatic standby function.



Special design of bottle pulling switch, which is easy to disassemble the evaporation flask. (only REV-2000AX)



Vacuum protection design which prevents vapor from vacuum pump, so the vacuum pump is more durable.



Big color LCD screen with menu interface displaying several data; rotary switch easy to operate.



Heating bath with Teflon coating, which is easy to clean, anti-corrosive and high temperature resistant as well.



Sealing made up of imported PTFE with special technique.



Both touch screen control and button press type automatic lifting function



Oil and water heating bath with safe handle, whose temperature range is from room temperature to 210℃.



Intermittent positive and negative rotating function with timer function for drying process.



Unattended mode with safe operation function, which is in automatic standby mode after the experiment.



DC rotating motor of 70w power starts steadily.

Specifications

Model	REV-2000AX	REV-3000AX	REV-5000AX
Rotating Speed	Color LCD Screen; 0~310rpm	Color LCD Screen; 0~310rpm	Color LCD Screen; 0-310rpm (Evaporating flask≤ 3L) 0-200rpm (Evaporating flask≤ 5L)
Evap. Capacity	Max.25ml/min (H2O)	Max.27ml/min (H2O)	Max.43ml/min (H2O)
Temp. range/precision	Microcomputer PID controller; Water Bath: RT.-99℃±0.5℃; Oil Bath: RT.-210℃±2℃		
Bath Material	Integral Teflon compound heating bath with safe handle,which prevents from scald; the medium sized bath volume makes distillation fast.		
Bath Size	ϕ23*13cm(about 5.4L)	ϕ26*15cm(about 8L)	ϕ29*17cm(about 11L)
Positive&Negative Rotating	Intermittent positive and negative rotating function with timing function (0-60s) for drying process.		
Lift	Automatic balance lifting which can be controlled by either button-press or Color LCD screen; the lifting length is 150mm, with fixed safety distance of 60mm, which prevents crashing.		
Temp. Set	Rotating switch coding for temperature setting with big LCD screen display.		
Safety	Anti-dry prevention function which makes flask automatic lifting; instrument will stop at the set timing (0-999min); automatic lifting and standby alarm protection in abnormal or over temperature state.		
Heater Power	1.5kW	1.5kW	1.5kW
Evaporating flask Volume	0.25-2L	0.25-3L	0.25–5L
Sealing	Imported PTFE and special complex compounded with special technique, which ensures good sealing and improves the anti-corrosion and durability property.		
Condenser	Vertical 3-layered coil condenser with big condensation area, equipped with drip point and backflow prevention, which effectively increases the evaporation efficiency.		
Condense Area	0.18㎡	0.21㎡	0.31㎡
Environment Temp	5℃~40℃		
Factory Configuration	29# grinding mouth integrated rotating shaft *1 Sample Bottle: 29# Eggplant bottle 1L*1 Recycling Bottle: S35 ball grinding mouth collection bottle 1L*1	Flange interface to 29# grinding interface*1 Sample Bottle: 3L flange mouth round bottom bottle *1, 29# eggplant bottle 1L*1; Recycling Bottle:S35 ball grinding mouth collection bottle 2L*1	Flange interface to 29# grinding mouth interface *1 Sample Bottle: F50 flange mouth round bottom bottle 5L*1, 29# eggplant bottle 1L*1;Recycling Bottle: S35 ball grinding mouth collection bottle 3L*1
Electricity	AC220V/50Hz		
Instrument Dimension(W*D*H)(mm)	660*420*830	700*430*860	740*440*960
Package Dimension(W*D*H)(mm)	740*670*530	710*645*790	810*710*890
G.W.(kg)	30	35	49
IP (Ingress Protection)	IP42		
Optional	Vacuum controller for precise vacuum control.		
Warning	The protection cap is only for water bath experiment. Please do not use in oil bath experiment.		
Supporting products	REV-2000AX +Diaphragm Vacuum Pump VACP-D20 +Low Temperature Circulator RECL20-2X	REV-3000AX +Diaphragm Vacuum Pump VACP-D20 +Low Temperature Circulator RECL20-2X	REV-5000AX +Diaphragm Vacuum Pump VACP-D45L +Low Temperature Circulator RECL20-5X

Rotary Evaporator

REV-2000B REV-2000C
REV-3000B REV-3000C



REV-2000B



REV-2000C



REV-3000B



REV-3000C

Introduction

The motor of REV-2000 series has 0-200rpm step-less speed regulation and automatic lifting function, the main body uses the aluminum alloy material,smooth,safe,and beautiful.Revolving body is consisted of a set of stable and reliable micro motors,speed motors and integrated circuit control devices.In the role of electronic speed,it can be rotated stably in 0-200rpm range.

Application



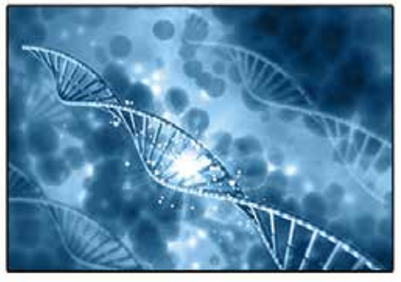
Chemical chemistry



Pharmaceutical Engineering



College experiment



Biomedical Science

Characteristics

REV-2000A: temperature digital display.
REV-2000B: temperature and speed dual-digital display.
REV-2000C: temperature and speed LCD display.

REV-3000A: temperature digital display
REV-3000B: temperature and speed dual-digital display
REV-3000C: temperature and speed LCD display

Supporting products



VACP-WC3Y



REV-2000B



REV-2000C



RECL10-5



REV-3000B



REV-3000C

Specifications

Model Screen	REV-2000B Temperature and speed dual-digital display	REV-2000C Temperature and speed LCD display	REV-3000B Temperature and speed dual-digital display	REV-3000C Temperature and speed LCD display
Glass material	GG-17		GG-17	
Stent material	Aluminium alloy		Aluminium alloy	
Bath material	Teflon composite pot, fully enclosed heating		Teflon composite pot, fully enclosed heating, φ255mm*H155mm	
Rotary flask volume	1L 24# standard mouth,(2L optional)		3L, standard mouth	
Collecting flask volume	1L 35# ball mill mouth		2L, ball mill mouth	
Rotary power	Brush motor 40W brushless motor		Brush motor 40W brushless motor	
Rotary speed	0-200rpm		0~200rpm	
Heating power	1.2 kW		1.2kW	
Temperature control of bath	Room Temperature~99℃		Room temperature~99℃	
Temperature precision	±1℃		±1℃	
Elevating power	20W		20W	
Elevating stroke	120 mm		120 mm	
Voltage/frequency	220V/50Hz		220V/50Hz	
Exterior Dimension(W*D*H)(mm)	630*400*810		690*490*830	
Package Dimension (W*D*H)(mm)	640*640*500		640*640*500	
G.W.(kg)	23		27	
Supporting products	REV-2000A/REV-2000B/REV-2000C+Water Circulating Vacuum Pump VACP-WC3Y+Low Temperature Circulator RECL10-5		REV-3000A/REV-3000B/REV-3000C+Water Circulating Vacuum PumpVACP-WC3Y+Low Temperature Circulator RECL10-5	

Rotary Evaporator

REV-3000AC



- Evaporating Flask Volume: 250~3000mL
- Rotation Speed: 0 ~310rpm
- Evaporation Capacity: Max. 27mL/min (H2O)
- Water/Oil dual-purpose bath with moderate volume and fast heating

Features



LCD color display with intuitive menu interface and knob control;

Touch & handle dual-button electric lifting for safer operation;

Automatic unattended safe operation with auto-standby mode after experiment completion;



Heating Bath: Teflon coating for easy cleaning, excellent corrosion and high-temperature resistance;

Heating bath features safety handles and an insulated outer shell to prevent burns;

Water/Oil dual-purpose bath with moderate volume and fast heating;



Condenser designed with drip point and anti-back flow device;

Quick-release flask ejection knob for effortless and convenient flask replacement;

Programmable interval rotation (clockwise/anti-clockwise) ideal for drying processes;

Optional vacuum system for precise vacuum control;

PTFE

Sealing unit: Imported PTFE molded via special process;

70W DC motor for smooth start-up and high torque;



Specification

Model	REV-3000AC
Rotation Speed	0 ~310 rpm (LCD color display)
Evaporation Capacity	Max. 27mL/min (H2O)
Vacuum Control (Optional)	Built-in vacuum controller (adjustable vacuum degree as required);
	Setting range: -0.1~0MPa (0 ~1013mbar);
	Accuracy: ±1mbar
Temperature Range	Water & Oil dual-purpose bath:
	Water bath: Room temperature ~ 99 ℃ (±0.5 ℃)
	Oil bath: Room temperature ~ 210 ℃ (±2 ℃)
Heating Bath Design	Integrated Teflon coating for easy cleaning, corrosion & high-temp resistance
	Size: φ26 × 15 cm (approx. 8 L).
	Equipped with safety handles and insulated outer shell to prevent burns.

Specification

Model	REV-3000AC
Safety Cover (Optional)	Transparent PC protective cover (Water bath only): Heat preservation, energy saving, explosion-proof, and splash-proof.
Rotation Mode	Interval rotation (Clockwise/Counter-clockwise) with adjustable pause (0–60s); suitable for drying powder samples.
Lifting System	Electric lift with touch & handle dual-mode; Stroke: 150 mm. Features a 60
	mm safety distance at the lower limit to prevent flask collision.
Temperature Control	Microcomputer PID controller with digital display
Temperature Setting	① Knob encoder ② Rotary input setting ③ Large LCD screen for easy and
	quick operation
Safety Performance	Timer function (0~999 min); Automatic stop and standby mode upon completion.
Heating Element	Fully enclosed integrated heater; Power: 1.5 kW
Evaporating Flask Volume	250~3000mL
Sealing Unit	Imported PTFE and special synthetic materials processed with special technology, providing improved sealing, corrosion resistance and wear resistance.
Condenser	Vertical three-layer ball-joint serpentine condenser with large condensing area.
Condensing Area	0.21m2, with drip point and anti-back flow design for enhanced efficiency.
Ambient Temperature	5 ℃ ~ 40 ℃
Electricity	AC 220V/50Hz
External Dimensions	710*645*790mm
Package Dimensions	700*430*860mm
Gross Weight	35kg
Standard Configuration	3L Flange Round-bottom Flask*1;
	29# 1L Eggplant-shaped Flask*1;
	Flange to 29# Ground Joint Adapter*1;
	S35 Ball-Ground Joint 2L Collection Flask*1;
Supporting Products	Rotary Evaporator REV-3000AC+Diaphragm Vacuum Pump VACP-D20+Low Temperature Circulator RECL20-2X