Rotary Evaporator

RE-2010 Rotary Evaporator

Features:

✱ Double sealing rings with Teflon and Viton
  makes vacuum up to -0.098Mpa.
✱ Intelligent temperature control and digital
  temperature display.
✱ High evaporating and recovery collecting
  rate.
✱ Overloading protect function.
✱ Expandable module design.
✱ Stepless speed controller.

Technical Parameters:

Model	RE-2010
Rotary Bottle	1L 24# (standard size)
Collecting Bottle	1L 35# (ball mill mouth)
Condenser	Vertical φ85*430mm
Charging Valve	19# (standard size)
Rotating Speed	20~195rpm
Vacuum	-0.098Mpa
Temp. Range	RT~99℃
Temp. Accuracy	±1℃
Stroke Height	100mm+150mm(sliding + manual)
Rotary Motor	40W
Heating Power	1.5KW
Water Evaporating Speed	20ml/min
Vacuum Sealing	Double sealing rings made of Teflon+ Viton materials
Shelf Material	Aluminum alloy
Chamber Material	Aluminum alloy +Teflon φ240*140mm
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	550*400*780~1040mm
Package Size(W*D*H)	720*525*385mm
Gross Weight	19kg
Standard Accessory	1L Rotary Bottle*1, 1L Collecting Bottle*1
Optional Accessory	Rotary Bottle(500~3000ml), Vacuum pump, Inclined condenser, Recirculating chiller

Rotary Evaporator (New Design)

Patented condenser
with cooling surface
1700cm²

Motorized lifting for quick
and safe operation

Chemical-resistant
double PTFE sealing

Large 5L water-oil
heating bath

Large digital LCD screen
displays heating temperature
rotation speed and timing

Designed a detachable
operating panel allows
remote control

Features:

✱ Evaporating flask with an ejector, convenient to remove.
✱ 5L water and oil bath dual-purpose heating pot, heating temperature can reach180°C, easy to switch between
  water and oil bath heating modes.
✱ Patented technology condenser, high recovery rate, condensing effect Outstanding.

Technical Parameters:

Model	RE 100-Pro
Item No.	6030110111
Evaporating Flask	1L(NS 29/32, 18300120)
Receiving Flask	1L(KS 35/20, 18300110)
Display	LCD
Rotating Speed	20~280rpm
Temp. Range	RT~180℃
Temp. Accuracy	Water bath：±1℃; Oil bath：±3℃
Lift	Motor
Stroke Height	150mm
Timing Range	1~999min
Motor	DC brushless motor
Heating Power	1300 W
Stroke Displacement	Automatic 150mm
Protection Class	IP20
Rotation	Reversible Direction
Interface	USB
Power	1400W
Power Supply	AC110/220V±10%, 50/60Hz(Customizable)
External Size(W*D*H)	465*457*583 mm
Package Size(W*D*H)	640*1100*650mm
Net Weight	15kg
Gross Weight	40kg
Standard Accessory	Condenser(1700cm²)*1, 1L Evaporating flask*1, 1L Receiving flask*1
Optional Accessory	Vacuum pump, Recirculating chiller

Rotary Evaporator

RE-201D　　RE-301　　RE-501　　RE-1002/2002　　RE-5003

Features:
＊ Electronic stepless speed control.　　　＊ LED display
＊ Optional explosion-proof function.(eg. RE-301, RE-501, RE-1002, RE-3002, RE-5003)

Technical Parameters:

Model	RE-201D	RE-301	RE-501	RE-1002	RE-2002	RE-5003
Rotary Bottle	1L 24#standard mouth	3L flange Ø50	5L flange Ø50	10L flange Ø95	20L flange Ø95	50L flange Ø125
Collecting Bottle	1L 35# ball mill mouth	2L 35# ball mill mouth	3L 35# ball mill mouth	5L flange Ø50	10L flange Ø60	20L flange Ø60
Condenser	Vertical φ85*460mm, 29# (standard size)	Vertical φ100*510mm	Vertical φ100*590mm	Vertical three backflow, φ120*640mm (main), φ135*470mm (SUB)	Vertical three backflow, φ130*680mm (main), φ160*530mm (SUB)	Vertical three backflow, φ160*840mm (main), φ160*530mm (SUB)
Charging Valve	19# (standard size)			34# (standard size)		40# (standard size)
Rotary Speed	0~120rpm			0~110rpm		
Vacuum	0.098Mpa					
Temp. Range	RT~400℃					
Temp. Accuracy	±1℃					
Stroke Height	120mm			180mm		
Rotary Power	30W	40W		120W		180W
Heating Power	1.5KW	2KW		3KW	5KW	8KW
Shelf Material	Stainless steel			Coating anticorrosive		
Chamber Material	SS 250*140mm	SS 255*170mm	SS 280*170mm	SS 550*320mm	SS 450*250mm	SS 350*220mm
Plate Size	280*330mm	350*330mm		534*504mm	474*474mm	550*320mm
Power Supply	AC110/220V±10%, 50/60Hz				AC220V±10%, 50Hz	AC380V/220V±10%, 50Hz
External Size(mm)	700*440*885	660*330*970	700*335*1009	970*480*1950	1170*540*2200	1520*620*2470
Package Size(mm)	590*460*460	1000*460*450	1040*620*410	1350*350*400 1280*570*660	1370*700*680 700*680*740	1450*390*440 1150*840*660 790*730*790
Gross Weight	21kg	38kg	38kg	100kg	123kg	170kg
Standard Accessory	1L Rotary bottle*1; 1L Collecting bottle*1	3L Rotary bottle*1; 2L Collecting bottle*1	5L Rotary bottle*1; 3L Collecting bottle*1	10L Rotary bottle*1; 5L Collecting bottle*1	20L Rotary bottle*1; 10LCollecting bottle*1	50L Rotary bottle*1; 20LCollecting bottle*1
Optional Accessory	Transparent bath cover, Explosion-proof transducer	Explosion-proof transducer, Explosion-proof motor EX40W		Explosion-proof transducer, Double collection bottle, Auto-lifting, Explosion-proof motor EX120W		
	Vacuum pump, Recirculating chiller					

Water Circulating Vacuum Pump

SHZ-DIII　　　　　　　SHZ-95B

Technical Parameters:

Model	SHZ-DIII (Four gauge four pumping)	SHZ-95B
Pump Head	4	5
Speed of Evacuation	10L/Min	
Vacuum	~0.098Mpa	\
Circulating Pump Flow	40L/min	80L/min
Pump Lift	12m	
Material	Anti-corrosion	Anti-corrosion or Stainless Steel
Consumption	370W	370W
Capacity	15L	50L
Power Supply	AC220V±10%, 50Hz/60Hz	
Package Size(W*D*H)	600*480*620mm	550*460*1020mm
Gross Weight	19kg	40kg
Applicable Rotary Evaporator Model	RE-2010, RE 100-Pro, RE-2000A, RE-2000B, RE-2000E, RE-52A, RE-52C, RE-5299, RE-201D, RE-301, RE-501	ExRE-1002, ExRE-2002, ExRE-5003, RE-1002, RE-2002, RE-5003

Note: Vacuum pump does not have the function of adjusting vacuum degree, if you need this function you should be match the vacuum control instrument.

Manual Rotary Microtome

BK-2258

BK-2218

BK-2268

Features:

✻ Large-volume removable waste tray on the top of housing, convenient to use.

✻ Imported cross-roller guide rails and high precision screw motion mechanism.

✻ Advanced high-precision micro-drive feed system enables stable and high-precision sectioning.

✻ Small coarse-advance hand-wheel is close to the operator, in accordance with an ergonomic design.

✻ The precise positioning system is not only easy to use, but also provides accurate X- and Y- axis adjustment.

✻ Hand-wheel balance is precisely adjusted and locked at any position, ensuring safety and convenience of sectioning.

✻ Fast switching between paraffin block clamp and cassette clamp; Paraffin Block Clamp is for Standard Configuration , cassette clam is optional.

✻ Blade holder can be laterally moved without direct contact, enabling use of the entire length of the blade. (three different segments)

✻ Cassette clamp can be locked at any position along each of the three axes, enabling easy adjustment of the specimen sectioning angle.

✻ The red bar on the blade holder covers the whole length of blade to protect the user and enables easy changing of the blade.

Technical Parameters:

Model	BK-2258	BK-2218	BK-2268
Function	Sectioning, trimming, fast forward, fast backward, quick conversion; automatic retraction (Only for BK-2268).		
Specimen Retraction	/	/	60μm (on/off)
Sectioning Thickness Range	0~60μm 0~2μm increment 0.5μm 2~10μm increment 1μm 10~20μm increment 2μm 20~60μm increment 5μm	0~60μm 0~10μm increment 1μm 10~20μm increment 2μm 20~60μm increment 5μm	0~60μm 0~20μm increment 1μm 20~60μm increment 5μm
Trimming Thickness Range	0~60μm	0~60μm	0~60μm
Mini. Sectioning Thickness	0.5μm	1μm	
Max. Specimen Size	50*70mm	60*70mm	70*70mm
Precision	±5%		
Specimen Horizontal Stroke	28mm	29mm	28mm
Specimen Vertical Stroke	52mm	60mm	70mm
Specimen Orientation	XY – 8°		
External Size(W*D*H)	565*440*285mm	570*440*290mm	590*500*330mm
Package Size(W*D*H)	620*530*450mm	620*530*450mm	690*590*500mm
Gross Weight	40kg	40kg	54kg

Explosion-proof Rotary Evaporator

Features:

∗ LED display.
∗ Explosion-proof motor.
∗ Explosion frequency inverter.
∗ Explosion auto temperature controller.
∗ Stepless speed controller.
∗ Auto-lifting bath is optional
∗ Stainless steel and aluminium
　alloy structure
∗ Anti-corrosive PTFE sealing
　good performance.

Technical Parameters:

Model	ExRE-1002	ExRE-2002	ExRE-5003
Rotary Bottle	10L (flange Ø95)	20L (flange Ø95)	50L (flange Ø125)
Collecting Bottle	5L (flange Ø50)	10L (flange Ø60)	20L (flange Ø60)
Condenser	Vertical three backflow, φ120*640mm(main), φ135*470mm(SUB)	Vertical three backflow, φ130*680mm(main), φ160*530mm(SUB)	Vertical three backflow, φ160*840mm(main), φ160*530mm(SUB)
Charging Valve	34# (standard size)		40# (standard size)
Rotating Speed	0~110rpm		
Vacuum	-0.098Mpa		
Temp. Range	RT~400℃		
Temp. Accuracy	±1℃		
Rotating Power	120W		180W
Heating Power	3KW	5KW	7/8KW
Power Supply	AC220V±10%, 50Hz		AC220V±10%, 50Hz or 380V, 50Hz
External Size(W*D*H)	1050*580*1950mm	1100*600*2100mm	1300*720*2300mm
Package Size(W*D*H)	1350*350*400mm 1280*570*660mm	1370*700*680mm 700*680*740mm	1450*390*440mm 1150*840*660mm 790*730*790mm
Gross Weight	100kg	123kg	170kg
Standard Accessory	10L rotary bottle*1, 5L collecting bottle*1,	20L rotary bottle*1, 10L collecting bottle*1	50L rotary bottle*1, 20L collecting bottle*1
	Explosion-proof transducer, Explosion-proof motor EX120W		
Optional Accessory	Double collection bottle, Auto-lifting, Vacuum pump, Recirculating chiller		

Small Capacity Rotary Evaporator

RE-2000A/B　　　RE-2000E　　　RE-52A/C　　　RE-5299

Features:

∗ Intelligent temperature control and digital temperature display.
∗ Stepless speed controller.　　　　∗ Teflon Sealing and host automatically

Technical Parameters:

Model	RE-2000A	RE-2000B	RE-2000E	RE-52A	RE-52C	RE-5299
Rotary Bottle	1L 24# (standard size)					
Collecting Bottle	1L 35# (ball mill mouth)			0.5L 24# (standard size)		
Condenser	Vertical φ85*430mm,			Vertical φ85*460mm, 29# (standard size)		
Charging Valve	19# (standard size)			19# (standard size)		
Rotating Speed	0~180rpm			0~120rpm		
Vacuum	-0.098Mpa					
Temp. Range	RT~99℃					
Temp. Accuracy	±1℃					
Stroke Height	120mm					
Rotating Power	40W			30W		
Heating Power	1.5KW			1KW		
Shelf Material	Aluminum alloy			Powder coating anticorrosive		
Chamber Material	Teflon φ240*140mm			SS φ240*120mm		SS φ250*140mm
Power Supply	AC110/220V±10%, 50/60Hz		AC220V±10%, 50Hz	AC110/220V±10%, 50/60Hz		
External Size(W*D*H)	660*420*830mm			700*440*1005mm		
Package Size(W*D*H)	630*560*540mm			590*460*460mm		
Gross Weight	26kg			21kg		
Standard Accessory	1000ml rotary bottle*1, 500ml recycling bottle*1					
Optional Accessory	RT~400℃ oil bath, 304 SS bath, Transparent bath cover, Vacuum pump, Recirculating chiller			RT~400℃ oil bath, Transparent bath cover, Vacuum pump, Recirculating chiller		

Stomacher Blender

Application:

Sterile Homogenizer is widely used in homogenization treatment of animal tissues and biological samples. It can be used in food, drug, cosmetics, clinical, molecular, toxin and bacterial detection fields, especially for the preparation of microbial test samples.

Features:

✳ 4.3 inch LCD touch screen display and microcomputer control.
✳ Intelligent program control, able to set the flapping time and speed.
✳ Adjustable flapping spacing, easy to process samples with different amount.
✳ Disposable sterile bag guarantees hygiene and safety.
✳ Toughened glass window, easy to observe.
✳ With anti-pinch function and pause function.

Technical Parameters:

Model	BK-SHG04	BK-SHG05
Flapping Time	1s~99min 59s or continuous operation	
Flapping Speed	3~12 times/s	
Flapping Spacing	0~50mm adjustable	
Effective Capacity	3~400ml	
Program Setting and Storage	8-segment combination programming	
Temp Control Range	/	RT~80℃
Disinfection Function	/	UV lamp disinfection
Sterile Bag	17*30cm, standard 100 pcs	
Voice Prompt Function	Yes	
Anti Pinch Function	With automatic stop anti pinch function	
Start Mode	Soft start	
Consumption	200W	500W
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	460*250*330mm	
Package Size(W*D*H)	540*310*410mm	
Net Weight	19kg	20kg
Gross Weight	24kg	24.5kg

Jacketed Glass Reactor

Application:

Jacketed glass reactors are designed for synthetic reaction of different types of materials in a controlled temperature and vacuum environment. Each reactor features adjustable stirring speeds and a constant pressure feeding funnel that allows you to add material to the vessel at a uniform and controlled speed. The built-in condenser makes it possible to recover some materials, also at a controlled rate of speed.

1/2/3/5L   10-50L   100L

Features:

✳ GG17 high borosilicate glass, with good chemical and physical properties.
✳ The evaporation and back-flow of reaction material can be controlled.
✳ The heat of reaction could be taken away quickly through water, cycling in the jacketed glass.
✳ The design of large bottle mouth, easier to clean.
✳ It can be used as a distillation syntheses device.
✳ The sealing performance is 0.098 Mpa.
✳ LCD display, easier and more convenient to measure temperature.

Optional Equipment:

✳ Circulating water vacuum pump: (JGR-1L~5L, recommend mode SHZ-DIII, JGR-10L~100L, recommend model SHZ-95B)
✳ Refrigerated Circulator
✳ Circulating water/oil bath

Technical Parameters:

Model	JGR-1L	JGR-2L	JGR-3L	JGR-5L	JGR-10L	JGR-20L	JGR-30L	JGR-50L	JGR-100L
Reaction Flask Capacity	1L	2L	3L	5L	10L	20L	30L	50L	100L
Stirring Power	60W				120W				180W
Stirring Speed	0~600rpm(Max.1300 customized)								
Stirring Shaft Diameter	12mm				14mm		16mm		18mm
Motor Torque(g/cm)	2000	2400		4800	1000	1200		1500	3000
Power Supply	AC110/220V, 50/60Hz								
Package Size (W*D*H)	1250*550*550mm				1330*550 *550mm	1300*550 *600mm	1520*600 *680mm	1620*600 *680mm	1620*600 *680mm / 1950*820 *900mm
Gross Weight	40kg				45kg	91kg	95kg	110kg	116kg / 160kg

Chiller

Recirculating Chiller

CCA-420

DLSB Series

Technical Parameters:

Model	CCA-420	DLSB-5/20	DLSB-20/40
Temp. Display	LED display		
Tank Volume	4.9L	5L	20L
Matching Reaction Kettle(Steam)	1~2L	1~5L	20L
Tank Material	304 Stainless Steel	201 Stainless Steel	
Tank Size	220*150*120mm	Φ220*180mm	Φ300*300mm
Temp. Control Accuracy	±1℃	±0.5℃	
Display Temp. Resolution	0.1℃	1℃	
Pump Lift	4m	4~6m	
Circulating Pump Flow	15L/min	20L/min	
Refrigerant	R134A	R22	
Refrigerating Capacity	450~260W	1248~319W	3729~989W
Pressure	\	2MPa	
Ambient Relative Humidity	(60~80%)Ventilation		
Instrument Temp. Control Range	-20℃ ~Room temp.	-20℃ ~ Room temp.	-40℃ ~ Room temp.
Optimum Ambient Temp.	5~35℃	5~25℃	
Unload Min Temp.	-20℃	-20℃	-42℃
Circulation Pump Power	6W	100W	
Circulating Pump	Magnetic pump	Fully-closed &No-leaked special pump	
Circulating Water Mouth Interface	Outer diameter11 mm/ Inner diameter7mm	\	
Sensor	PT100		
Coil Diameter	\	Φ200mm	Φ275mm
Opening Size	\	Φ195mm	Φ250mm
Power Supply	220V±10%, 50Hz/60Hz		380V±10%, 50Hz/60Hz

Model	CCA-420	DLSB-5/20	DLSB20/40
Secure Protection	Overload protection, Overheating protection, Refrigerator delay protector	Leakage, overload circuit breaker, Overload relay circuit, Refrigerator protection timer, Circulating pump thermal protector, Refrigerator high-pressure pressure switch, Temperature control self-diagnosis function	
External Size(W*D*H)mm	497*232*490	610*500*910	510*345*650
Package Size(W*D*H)mm	590*310*570	650*450*870	610*500*910
Gross Weight(kg)	30	62	63
Accessories	In and out joint *1, silicone pipe insulation*2	In and out joint *1, Vertical rod*1, Thermal insulation pipe*2	
Applicable Rotary Evaporator Model	RE-2010, RE-2000A, RE-2000B, RE-2000E, RE-52A, RE-52C, RE-5299, RE-201D, RE 100-Pro	RE-301, RE-501, RE-1002	ExRE-1002, RE-2002

Recirculating Chiller

Corollary Equipment:

Kjeldahl Apparatus, Soxhlet Extractor, Crude Fiber Analyzer, AAS, ICP-MS, Electrophoresis System, Rheometer, Automatic Synthesizer, Fermentation Apparatus, Rotary Evaporator, Extraction and Condensation Device, SPE Apparatus.

Features:

✻ Cooling system adopt TECUMSEH compressor in order to ensure cooling efficiency, and reduce noise.
✻ PID temperature controlling technology is adopted. Cooling method is not the traditional start-stop type, EEV technology improve the stability.
✻ Over-temperature protection and auto-alarm function is used in refrigeration control system to avoid damage temperature medium caused by abnormal liquid temperature value.
✻ Water level observation window and automatic water level detection device, automatic alarm when low liquid level.
✻ Water current detection device is adopted. When external cycle closed or blocked, internal cycle will be switched automatically.
✻ High performance circulating water pump guarantee the long time continuous running, and good sealing avoid leakage. The pressure of pump is 0~1.5 bar, adjustment is available by rotary knob. Pressure value is displayed.
✻ Color LCD screen display more running data and dynamic identifier. Easy to monitor.

Technical Parameters:

Model	BK-RC1200
Temp. Control Range	5°C ~ 40°C
Temp. Control	PID
Temp. Stability	±0.3°C
Temp. Sensor	PT100
Display Resolution	0.1°C
Pump Flow Rate	20L/min
Cooling Consumption	1.2KW
Refrigerant	R134a
Pump Capacity Pressure	0~1.5 bar
Filling Volume	8L
Power Supply	AC220V±10%, 50Hz
External Size(W*D*H)	550*400*650mm
Package Size(W*D*H)	750*580*910mm
Gross Weight	74kg

LCD display

Pressure gauge

Castor