

DWSY-2000A DWSY-3000A DWSY-5000A Intelligent Control Rotary Evaporator

Features

- Equipped with LCD display, menu type interface and knob type switch operation.
- Touch type and handle type double automatic lifting makes lifting more safe.
- Heating pot: Teflon coating has the characteristics of easy cleaning, corrosion resistance and high temperature resistance
- Rotating DC motor power :70W
- Unmanned mode safe operation function and the end of the experiment automatic standby
- The condensing tube is designed with drip point and anti-backflow device、
- Special bottle knob design makes bottle return simple and convenient.
- Can be set up intermittent timing forward and reverse, suitable for drying process.
- The built-in vacuum control system is convenient and quick to set
- Bath: Equipped with safety handle and oil/water dual-use from room temperature to 210°C
- Sealing unit: imported PTFE+ special process mold synthesis、
- It has anti-dry burning protection, over-temperature power failure warning and automatic standby protection.

Note: Type A comes standard with a ground-glass joint condenser (glass is less prone to damage);

Type B standard joint condenser is available as an option.



DWSY-2000A



DWSY-3000A / DWSY-5000A

Specifications

Model	DWSY-2000A		DWSY-3000A		DWSY-5000A	
Type	Standard	Vacuum control	Standard	Vacuum control	Standard	Vacuum control
Rotating Speed	LCD color display 0~310rpm/min		LCD color display 0~310rpm/min		LCD color screen display 0~200~310rpm/min (3L inner rotating bottle up to 310rpm/min)	
Evaporation capacity	Max.25ml/min(H2O)		Max.27ml/min(H2O)		Max.43ml/min(H2O)	
Vacuum	/	The vacuum inside the device can reach 2mbar	/	The vacuum inside the device can reach 2mbar	/	The vacuum inside the device can reach 2mbar
Vacuum control	/	Built-in vacuum controller (arbitrary control experiment required vacuum degree, setting range: (0~ -0.1Mpa) 0~1013mbar; Accuracy ±1).	/	Built-in vacuum controller (arbitrary control experiment required vacuum degree, setting range: (0~ -0.1Mpa) 0~1013mbar; Accuracy ±1).	/	Built-in vacuum controller (arbitrary control experiment required vacuum degree, setting range: (0~ -0.1Mpa) 0~1013mbar; Accuracy ±1).
Temperature range	Water and oil dual-purpose pot bath: room temperature ~99℃±0.5℃; Oil bath: Room temperature ~210℃±2℃					
Material/Size	Disposable Teflon composite pot φ23×13cm (about 5.4L). Equipped with high temperature resistant Teflon protective cover.		Disposable Teflon composite pot φ26×15cm (about 8L) Equipped with high temperature resistant Teflon protective cover.			
Sample bottle	Intermittent rotation around, intermittent time adjustable 0 ~ 60s, can be used for drying powder samples.					
Rotating glass shaft	29#/42 grinding integrated glass shaft, evaporation bottle fixing clip connected to the bottle remover, to prevent loss.		/			
Lift stroke	Touch + handle type double automatic balancing lifting (lifting stroke 150mm) The descending end point has a fixed 60mm safety distance to prevent collision.					
Temperature Control	Microcomputer PID controller, digital display.					
Temperature setting	Knob encoder, rotary input setting, large LCD screen display, convenient and fast					
Safety performance	Fuse, heat sensing dry burning prevention device, dry burning test bottle automatically up and down to the highest; Timing function (0~999min), the device automatically stops working after reaching the predetermined time; Equipment abnormal, overtemperature warning automatic lifting main engine, instrument automatically lifting evaporation bottle, standby warning protection.					
Heater	Fully enclosed heater					
Power	1.5KW		1.5KW		1.8KW	
Scope	25~2000mL		25~3000mL		25~5000mL	
Sealing unit	Imported PTFE and special synthetic materials are processed and synthesized by special process technology to enhance sealing, corrosion resistance and wear resistance.					
Condensing pipe	Vertical, three-layer ball grinding mouth snake condensing pipe, condensing area of 0.18m², with dripping point and anti-backflow design.		Vertical, three-layer ball grinding mouth snake condensing pipe, condensing area of 0.21m², with dripping point and anti-backflow design.		Vertical, three-layer ball grinding mouth snake condensing pipe, condensing area of 0.31m², with dripping point and anti-backflow design.	
Service ambient temperature	5~40℃					
Voltage	AC220V/50HZ					
Instrument size	660*420*830mm		660*420*830mm	700*430*860mm	740*440*960mm	
Package size	710*645*510mm		710*645*510mm	710*645*790mm	780*690*850mm	
Gross weight	30kg		30kg	35kg	42kg	