

Zhengzhou Cialan Instrument Equipment Co.,Ltd

Add:NO.9-1,Zhengzhou Area(Jinshui),Henan Pilot Free Trade Zone.

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New 50L rotary evaporator with rotary and lifting motor

Introductions

Rotary evaporator use stepless speed to make the glass rotating bottle constant rotation, the material in the bottle wall to form a large area of uniform film, and then through the intelligent constant temperature water bath heat the rotating bottle uniformly, high-speed evaporation under vacuum case, after the efficient glass condenser cooling, the solvent vapor will recycle in the collection bottle.



Features

- 1.The main bracket is made of stainless steel and aluminum alloy with reasonable structure and materials.
- 2.All glass components are borosilicate glass (GG-17), high temperature, anti-corrosion.
- 3.Sealing system adopts imported fluorine rubber and Teflon two-way combination seal, long corrosion-resistant life, to maintain a high degree of vacuum.
- 4.Vacuum gauges show real-time vacuum, oil-based table with anti-vibration characteristics.
- 5.Upright three-layer serpentine coil condenser, main cooler + double cooler, ensuring high recovery.
- 6.Continuous feeding for customer's convenience, valve type feeding valve socket PTFE tube.
- 7.Collecting bottles are equipped with dropping materials to facilitate the collection and discharge of evaporated extracts.
- 8.Check valve control, continuous discharge, the machine in working condition, the vacuum switch.
- 9.All valves use the latest integrated hand wheel valve, sealing is good, the operation is more simple and convenient
- 10.LCD full screen display, temperature, speed dual digital display, bath thermostat intelligent control, PT100-type sensor, quickly and accurately transfer temperature.
- 11.Brushless DC motor, stable rotation, no spark, slow down by force.
- 12.Bath electric lift, lift part of the deceleration by force motor, lifting process more stable.

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13.The pot is made of high-quality 304 stainless steel, corrosion-resistant and durable. The outer layer of the pot is covered with a silicone layer, which makes it safer to use at high temperature.

14.Over-temperature protection function, when the actual temperature exceeds the set temperature of 5 °C, the machine will automatically power-off heating.

15.Anti-dry function, the heating pot lower than the heating pipe, the machine will automatically power off.

16.Microprocessor-based power switch control.

17.If there is a sudden power failure while the machine is working, the machine will stop heating automatically when the power is turned on again.

Technical parameters

Model	CE-1050
Voltage/Frequency	220V/50HZ 110V/60HZ
Total power	6640W
Rotary motor power	100W 1/5
Lifting motor power	40W 1/12.5
Heating power	6500W
Vacuum degree	0.095Mpa
Rotary flask volume	50L,Φ355mm/Φ125 Flange port
Collecting flask volume	20L,Φ355mm/ upper with Φ60 *Φ35 flange port*2*lower with Φ50 flange port
Rotary speed	0-120rpm/min
Temperature.cotrol range	room temperature -180°C
Temperature accuracy	±1°C
Bath lifting stroke	215mm
Condenser size	The main condensor Φ160*835H(mm) upper with Φ60 flange port * lower with Φ80 flange port The assisted condensor Φ160*530H(mm) upper with Φ80 flange port* lower with Φ60 flange port*side with Φ60 flange port
Condensation area	1.44(0.95+0.49)m ²

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Gas cylinder	Left with $\Phi 35$ flange, upper with $\Phi 35$ flange, side with $\Phi 60$ flange, right with $\Phi 70$ flange
Material feeding valve	$\Phi 35$ flange, glass+PTFE valve, feeding nozzle (pagoda-shape connectors) outer diameter 12mm
Multi-function port	$\Phi 35$ flange, glass+PTFE valve, glass nozzle (pagoda-shape connectors) outer diameter 12mm
Vacuum nozzle	$\Phi 60$ flange glass exhaustor, suction nozzle (pagoda-shape connectors), outer diameter 10mm
In and out circulating nozzle of condenser coil	Pagoda-shape connectors, outer diameter 16mm
Releasing valve	$\Phi 35$ flange port*2, glass+PTFE valve, releasing nozzle (pagoda-shape connectors), outer diameter 12mm
Material discharging valve	$\Phi 50$ flange port, side discharging nozzle (pagoda-shape connectors), outer diameter 20mm, 300mm from the ground
Bath dimension/weight	$\Phi 550 \times 320$ H(mm) about 76L
Overall dimensions (W*L*H)	1390*700*2300mm
Net weight	97kg
Packing dimensions	1230*630*1420 ,1.1m ³
Packing weight	142kg