

YKZLS-1

Vacuum Centrifugal Concentrator



YKZLS series vacuum centrifugal concentrators have the function of evaporating water and organic solvents in samples quickly and safely. The processed samples can be conveniently used for various qualitative and quantitative analyses - chemistry, biochemistry, bioanalysis, immune screening, food safety, residue analysis, etc. It is suitable for the concentration of immunoglobulins, concentration of drug metabolites, SPE solid phase extraction, pre- and post-treatment of liquid chromatography, ADMET/toxicology, polymer chemistry, DNA/RNA purification and concentration, oligomer synthesis, forensic medicine/drug abuse testing, and general laboratory concentration.

Features

1. The single-chip microcomputer and the self-developed control board are directly driven by the DC brushless motor, which can achieve high-precision operation control, ensure stable operation and rapid response.
2. TFT-LCD true color display, touch screen button and physical button dual operation mode; all-steel casing, surface corrosion-resistant orange peel wrinkle treatment, full lines, based on visual beauty while giving it a sense of security industrial humanized overall design, high recognition rate.
3. One-button preheating: using precise temperature control technology, fast heating, high temperature control accuracy, can heat the cavity temperature to 60°C, quickly reach the set temperature and maintain the temperature unchanged.
4. Automatic vacuum removal: When the instrument ends or is in a power outage/shutdown state, it will automatically remove the vacuum state and ventilate the external environment, and will slowly release to protect the sample from excessive positive and negative pressure. After complete release, open the lid.



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5. 304 stainless steel one-piece seamless molded centrifugal chamber, after Teflon corrosion resistance treatment, it is not afraid of sample solvents, and can also ensure the purity of sample solvents.
6. A variety of rotors meet the requirements of different experimental throughputs, and can be used for pre-treatment centrifugal concentration of nucleic acid, virus and other samples.
7. Split design: independent accessories, free matching, flexible use.
8. One-key linkage function makes the instrument operation simpler and more convenient.
9. Polymethyl methacrylate cover, transparent and visible for easy observation of the concentration process
10. It has warning modules such as over-temperature, low pressure and emergency stop, aiming to improve the user's work efficiency, reduce the risk of misoperation, and meet the user's strict requirements for the reliability of the instrument concentration effect.
11. Passed ISO9001:2015 certification; ISO 13485:2016 certification; with CFDA registration and production qualifications.

Host technical parameters

Product model: ZLS-1
Speed: 1500r/min
Maximum power: 1kW
Maximum current: 5A
Ambient temperature: 0°C~+35°C
Temperature control range: room temperature~+60°C
Timing range: 1min-23h59min
Open/close door: manual
Preheating function: yes
One-key linkage: yes
Final vacuum degree: 0.1mbar
Automatic pressure relief: yes
Vacuum interface: Φ10mm
Vacuum pump (optional): domestic diaphragm pump/oil pump, imported oil pump/diaphragm pump
Cold trap (optional): CT-6/ CT-40/ CT-50
Noise: ≤50dB (A)
Power supply: AC220V/50Hz
Weight: 21kg
Dimensions: (L×W×H) 500mm×460mm×280mm

Rotor capacity:

1. Default standard rotor: 62×1.5mL, other rotors can be selected or customized on demand
2. Optional rotors are as follows:
62×0.2mL, 102×1.5mL, 12×5mL, 12×10mL, 6×50mL