

# ZLS-1, ZLS-2, ZLS-3 Vacuum Centrifugal Concentrator

The ZLS series of vacuum centrifugal concentrator can quickly evaporate or remove the water and organic solvents from the sample. The processed sample can be conveniently used for the purpose testing and research ,widely used for various qualitative and quantitative analyses. Chemical analysis, biological analysis, immunoscreening, food safety, residue analysis, etc.

Suitable for concentration of immunoglobulins, concentration of drug metabolites, SPE solid phase extraction, Liquid phase chromatic spectrum before and after processing, ADMET/toxicology, polymer chemistry, DNA/RNA purification and concentration, forensic/drug abuse testing.




## Specification

Model	ZLS-1	ZLS-2	ZLS-3
Rotor Capacity	62×1.5mL	12×10mL or 6×50mL	6×250mL ( 6×2×50mL or 6×5×20mL adapter )
Speed	1500r/min	1500r/min	2000r/min
RCF	220xg	220xg	500xg
Total Power	1kW	1kW	1.5kW
Max Current	5A	5A	7A
Ambient Temp	0°C~+40°C	0°C~+40°C	0°C~+40°C
Noise	≤50dB ( A )	≤50dB ( A )	≤50dB ( A )
Temp.control Range	Room temp~+60°C or without Heater		
Vacuum degree	0.1mbar		
Vacuum interface	φ10mm		
Vacuum pump (recommended)	FY-4C-N		
Cold trap (recommended)	CT-6		
Power	AC220V/50Hz		
Weight	21kg	21kg	38kg
Dimension (L×W×H)	500×490×280mm	500×490×280mm	600×540×360mm
Package dimensions			

## Main Features

- Micro-controller and high-torque brushless motor provide stable operation and low noise
- Vacuum sample heating (optional)
- LCD touch screen monitor with TFT true color
- With over temperature warning function.
- The diving room can be heated to 60 °C.
- Aluminum alloy diving room with corrosion resistant coating
- Free-maintenance, non-contact drive rotation system.
- Transparent cover for observing operation status
- Microprocessor based technology , easy and direct operation interface
- Concentration time: 1min-99h59min, can be combined with cold trap.
- Split design, free assembly and matching, flexible and convenient.
- Different types of optional rotors available

## Rotors Parameter

	Figure	Parameter	Figure	Parameter
Fixed-Angle Rotor	 62×1.5mL	Max Speed: 1500r/min Serial No: H022-003-106-301 For ZLS-1 model	 12×10mL	Max Speed: 1500r/min Serial No: H022-003-020-301 For ZLS-2 model
	 6×50mL	Max Speed: 1500r/min Serial No: H022-003-107-301 For ZLS-2 model	 6×250mL	Max Speed: 2000r/min Serial No: H026-003-012-301 For ZLS-3 model
	 2×2×48孔	Max Speed: 2000r/min Serial No: H026-002-052-221 For ZLS-3 model		

## CT-6 Cold trap

The Evaporation rate is influenced by the energy that has been absorbed and the speed of the vacuum pump. A relatively large evaporation surface area of a sample, rather than sample capacity and quantity is the blockage that affects the efficiency of the vacuum pump. Therefore instead of using bigger vacuum pump, employ the cold trap. The application of the cold trap helps to condense vapors on the one hand and enhance then evaporation density of organic solutions for better condensation.

### Main Features

- TFT true color touch wide screen indicating temperature of cold trap
- Volume: 4 L
- Temperature range: normal temperature -40°C
- Compressor coolant: R404 a
- Temperature adjustment: ±1°C
- Circulation: Hermetic circulation



### Specification

Model	CT-6
Min temp	- 40°C
Cooling power	300W
Cooling System	R404a
Collection capacity	200mL
Vacuum interface	φ10mm
Circulation	Hermetic circulation
Time range	1min-99h59min
Temperature adjustment	±1°C
Weight	44kg
Dimensions(L×W×H)	440×340×630mm
Package dimensions	