



ZLS-1/ZLS-2型真空离心浓缩仪

ZLS-1/ZLS-2 Vacuum Concentrator Centrifuge

ZLS系列真空离心浓缩仪，综合利用了离心、抽真空和加热等手段，有效地蒸发溶剂，高效率回收生物或分析样品。广泛地应用到生命科学和化学、制药等领域。

Vacuum concentrator centrifuges of ZLS series combine functions of centrifugation, vacuumizing and heating to effectively evaporate solutions and efficiently recycle biological or analytical samples with wide applications in such fields as life science, chemistry and pharmacy.



离心浓缩系统组成

真空离心浓缩仪
浓缩转子
冷阱
真空泵

特性

- 采用TFT真彩大屏幕触控液晶显示，智能化的微处理器控制以及简单直接的操作界面。
- 干燥室采用合金铝制造，干燥腔内部有涂层防腐处理。
- 免维护非接触式驱动旋转系统。
- 多种转头配套使用。
- 透明的盖板，便于观察进展情况。
- 浓缩时间：0~99h59min
- 可与冷阱连用。

Features

- With TFT true-color LCD wide-screen touch monitor, micro-computer control and an easy and direct operation interface.
- Aluminum-alloy-made drying room, the inside of which is covered with an corrosion-resistan coating.
- Maintenance-free and non-contact drive and rotation system.
- Multiple options of different types of rotors which are compatible with the machine.
- Transparent covering favorable for observing the operation status.
- Condensation time: 0-99h59min
- Able to be used in combination with the cold trap.

可选配件 Optional fittings



62 × 1.5ml



12 × 10ml



6 × 50ml

技术参数 Specifications

	ZLS-1	ZLS-2
转子容量 Rotor capacity	1.5ml × 62	10ml × 12或50ml × 6
转速 Speed (r/min)	1350	1500
温度范围 Temp. range	室温 ~ 55℃ 或不加温 Room temp. ~ 55℃ or temp. increase	室温 ~ 60℃ 或不加温 Room temp. ~ 60℃ or no temp. increase
真空泵 Vacuum pump	选配 Optional	选配 Optional
外形尺寸 Dimensions (L × W × H)	500 × 490 × 280mm	500 × 490 × 280mm

ZLS-3型真空离心浓缩仪

ZLS-3 Vacuum Concentrator centrifuge

特性

- 采用TFT真彩大屏幕触控液晶显示，智能化的微处理器控制以及简单直接的操作界面。
- 干燥室采用合金铝制造，干燥腔内部有涂层防腐处理。
- 免维护非接触式驱动旋转系统。
- 多种转头配套使用。
- 透明的盖板，便于观察进展情况。
- 浓缩时间：0~99h59min
- 浓缩最大容量可达6 × 250ml
- 可与冷阱连用。

Features

- With TFT true-color LCD wide-screen touch monitor, micro-computer control and an easy and direct operation interface.
- Aluminum-alloy-made drying room, the inside of which is covered with a corrosion-resistance coating.
- Maintenance-free and non-contact drive and rotation system.
- Multiple options of different types of rotors which are compatible with the machine.
- Transparent covering favorable for observing the operation status.
- Condensation time: 0-99h59min
- Able to be used in combination with the cold trap.
- Maximum condensation capacity.



可选配件 Optional fittings



6 × 250ml



6 × 5 × 20ml

技术参数 Specifications

ZLS-3	
转子容量 Rotor capacity	250ml × 6 (50ml × 6 × 2或20ml × 6 × 5适配器adaptor)
转速 Speed (r/min)	2000r/min
温度范围 Temp. range	室温 ~ 60℃ 或不加温 Room temp. ~ 60℃ or temp. increase
真空泵 Vacuum pump	选配 Optional
外形尺寸 Dimensions (L × W × H)	600 × 540 × 360mm

冷阱 Cold Trap

蒸发的速率不仅受到摄入能量的影响，而且受到真空泵的泵速影响。较大的样品蒸发表面积是影响真空泵效率的瓶颈所在，而不是样品容量和数量。更为有效的是使用冷阱，而不是用更大的真空泵。由于冷阱的使用，一方面有利于水蒸气凝结，另一方面提高了有机溶剂蒸发密度，更易于凝结。

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 the sample capacity and quantity, is the bottleneck than affect the efficiency of the vacuum pump. Therefore, instead of using bigger vacuum pumps, employ the cold trap more efficiently. 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.

特性

- 循环方式：密闭式循环
- 温度调节精度：±1℃
- 温度设定范围：常温~40℃
- 压缩机冷媒：R404a
- 容量：4升
- TFT真彩大屏幕触摸式显示冷阱温度



Features

- Circulation: hermetic circulation
- Temperature adjustment: ±1℃
- Temperature range: normal temperature -50℃
- Compressor coolant: R404a
- Volume: 4L
- TFT true-color touch widescreen indicating the temperature of the cold trap