



# Vacuum Concentrator **CENTRIFUGE**

## Vacuum concentrator centrifuge LVC-A1 series

Vacuum concentrator centrifuge LVC-A1 series has exquisite design, LCD touch screen monitor with micro-computer controlled system and direct operation interface. It uses centrifugal force to carry out the concentration of samples, vacuum conditions for evaporating solvents from the sample. This series comes with 1350 rpm, 1500 rpm, 2000 rpm and temperature range from room temperature to 55-60°C for different applications.

### Features

- LCD touch screen monitor with TFT true color
- Microprocessor based technology , easy and direct operation interface
- Aluminum alloy diving room with corrosion resistant coating
- Transparent cover for observing operation status
- Possess maximum condensation capacity
- Different types of optional rotors available

### Applications

Vacuum Concentrator centrifuge capable of removing solvents from samples finds application in molecular biology, genetics, pharmaceuticals, environmental testing, food and agro research industry.

### Specifications

Model no.	LVC-A10	LVC-A11	LVC-A12
Rotor capacity	1.5 ml×62	10 ml×12, 50 ml×6	250 ml×6, 50 ml×6×2, 20 ml×6×5
Speed	1350 rpm	1500 rpm	2000 rpm
Temperature range	Room temp. to 55°C	Room temp. to 60°C	Room temp to 60°C
Condensation rate	0-99h59 min		
Dimension(L*W*H)	500×490×280 mm		600×540×360 mm
Optional	Vacuum pump		

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## Optional Fittings

Model no.	Rotors
LVC-A10	1.5 ml×62
LVC-A11	10 ml×12, 50 ml×6
LVC-A12	250 ml×6, 20 ml×6×5

## 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 affect 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.



## Specifications

- Circulation: Hermetic circulation
- Temperature adjustment:  $\pm 1^{\circ}\text{C}$
- Temperature range: normal temperature  $-50^{\circ}\text{C}$
- Compressor coolant: R404 a
- Volume: 4 L
- TFFT true color touch wide screen indicating temperature of cold trap

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## Compressor

Gas used is R404 a

## Vacuum pump (Optional):



## Specifications

- Rotary vacuum pump
- Pumping Speed: 2L/S
- Ultimate pressure:  $6 \cdot 10^{-2}$  Pa
- Power: 0.37 kw
- Voltage: 220 V/50 Hz