

Vacuum concentrator centrifuge LVC-A1 series



Vacuum concentrator centrifuge LVC-A1 series offers exquisite design, TFT, LCD touch screen display with intelligent micro-computer controlled system and user-friendly operation interface. Centrifugal force is used 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:

- ✔ TFT true color LCD touch screen display
 - ✔ Intelligent microprocessor controlled technology, easy and direct operation interface
 - ✔ Aluminum alloy drying room with corrosion resistant coating
 - ✔ Transparent cover to observe operation status
 - ✔ 0 to 99 h 59 min Condensation capacity
 - ✔ Maintenance free and non-contact drive and rotation system
 - ✔ Can be used in combination with cold trap
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Applications:

Vacuum Concentrator centrifuge is used across chemical, petrochemical, food, pharmaceutical industry for residual analysis of an extracts, and mixtures like methanol/water or any drug/ solvent etc.

Specifications:

Model no.	LVC-A10	LVC-A11	LVC-A12
Rotor capacity	1.5 ml×62	10 ml×12 or 50 ml×6	250 ml×6
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	0-99 h 59 min		
Dimension(L*W*H)	500×490×280 mm		600×540×360 mm
Optional	Vacuum pump		

Optional Rotor:

Suitable Model no.	Rotor Capacity
LVC-A11	10 ml×12
	50 ml×6
LVC-A12	250 ml×6

Optional Adapter:

Suitable Model no.	Adapter Capacity
LVC-A12	50 ml×6×2
	20 ml×6×5

Optional Accessories:-

- Vacuum Pump
- Cold trap

Cold Trap Details:-

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: Room temperature to -40°C
- Compressor Refrigerant Gas: R404 a
- Volume: 4 L
- TFFT true color LCD touch wide screen indicating temperature of cold trap

Vacuum Pump Details:-



Specifications:

- Rotary vacuum pump
- Pumping Speed: 60 L/ m
- Extreme pressure: 0.08 mPa
- Power: 160 W
- Voltage: 230 V/50 Hz