



Vacuum Oven High Temperature Advanced Series LVOA-100 Series



Labocon Vacuum Oven Advanced LVOA-100 Series is suitable for drying of heat sensitive materials. Its vacuum environment ensures quick and effective drying of samples in powder or pellet form.

Features

- Under Vacuum condition, the boiling point of materials solution is reduced which provides quick drying
- Exterior material of the LVOA-100 Series is of steel plate with protective galvanized coating
- Interior material is of High quality SUS316 stainless steel for sturdy and safe operation
- Insulation material Polyurethane foam enables to maintain temperature to remain constant inside the chamber
- Insulation window is fixed with triple thermo-stability silicone rubber sealing, which enables the user to view the working chamber yet which prevents heat loss
- Display: LCD digital touch screen color with Highly sensitive digital Microprocessor controller



- USB Port for data transfer, Remote Alarm System & Ethernet interface
- The PID controller as the main control unit to command, operate, detect and redistribute the various components of the equipment to achieve maximum effective use
- The temperature control adopts P.I.D. S.S.R. system synchronous coordinated control, which can improve the stability and life of the control components and interface
- 100 Program with 100 Segment Operational Programming
- Provided with 2 sets of shelves



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- Heating system Independent Nichrome electronic heating system
- Circulatory system Cold resistance and low noise centrifugal wind wheel for efficient circulation
- Inert Air interface: inert air interface is provided at the backside of the oven with a controllable function where user can control the air velocity in l/hour
- Disinfection programme before every cycle prevents cross contamination
- The vacuum pump is automatically controlled to start pumping, and the vacuum gauge indication value reaches the set value
- Safety Provisions: Independent over-temperature protection system,
- Over-current protection, Refrigerant high-pressure protection switch, Earth leakage protection
- Environment Conditions
 - Temperature: +5°C ~ +35°C
 - Relative humidity: ≤85%
 - Pressure: 86 KPa—106 KPa

Specifications

Model	LVOA-101	LVOA-102	LVOA-103	LVOA-104
Capacity	20L	30L	50L	90L
Temperature Range with Vacuum	RT+10-250°C			
Temperature range without Vacuum	Above 250°C to 400°C			
Temperature Resolution, Accuracy & Uniformity	±0.01°C			
Heating Rate	6°C/min			
Controller	Programmable color display touch screen controller			
Temperature Sensor	PT-100 Class sensor, real-time accurate detection and display of temperature changes at 0.001 degrees			
Vacuum degree	-133 pa ~ Ambient pressure, with controllable			
Insulation Material	Polyurethane foam 150mm Thickness			
Insulation window	Triple thermo stability silicone rubber sealing			
Shelves	2			
Working Temp.	5°C to +30°C			
Working Humidity	≤85% RH			
Inner Dimension (WxDxH)mm	300x300x275	320x320x300	415x370x345	450x450x450
Overall Dimension (WxDxH)mm	610x490x450	630x510x490	730x560x550	740x610x595

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