



**VERTICAL AUTOCLAVE
LD-LVA-E1 SERIES**

Vertical Autoclave LD-LVA-E1 Series

Vertical Lab Autoclave LD-LVA-E1 Series incorporates a fully automatic sterilization system engineered for precision, safety, and efficiency in laboratory environments. Featuring a microprocessor-controlled system and vibrant touchscreen display, this system simplifies operation by offering precise monitoring and control over sterilization parameters. Built with a durable AISI 304 stainless steel chamber, it ensures long-term performance. With intelligent diagnostics and seamless data tracking capabilities, it offers reliability and convenience for routine lab operations.

Features

- Equipped with double safety door lock system featuring hand wheel structure
- Full-colour LCD display with real-time monitoring of temperature, pressure, cycle status, drying, alarm, water level, and the full cycle
- Adopts independent steam generator for high heating efficiency
- Automatic shut off with beep reminder and built in drying function
- Provides 10 built-in programs
- Automatic hold function for recovery during power outage
- Adapts PT100 sensor and PT/TT connector for real time protection and easy testing
- Integrated cutoff sensor and indicator stop the cycle in case of water shortage
- Integrated safety system with temperature, pressure, current, and overheating protection
- Automatic release valve ensures chamber pressure stays within safe limits
- Built-in printer and USB port for easy data storage and transfer

Applications

Vertical autoclave used in pharmaceutical industry, medicine and health care industry, Biotechnology, Microbiology for effective sterilization of glassware's, biological materials, culture media and others.

Technical Specification

Model	LD-LVA-E10	LD-LVA-E11	LD-LVA-E12	LD-LVA-E13
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Vertical Autoclave LD-LVA-E1 Series

Capacity	50 L	80 L	100 L	150 L
Chamber Dimension	Ø316×667 mm	Ø386×700 mm	Ø386×900 mm	Ø500×780 mm
Design Pressure	-0.1/0.3 Mpa			
Working Pressure	0.23 Mpa			
Designed Temperature	150 °C			
Working Temperature Range	105 – 136 °C			
Sterilization Time	0 – 999 min			
Temperature Uniformity	$\leq \pm 1$ °C			
Temperature Accuracy	0.1 °C			
Shelves	2 pcs			
Power Supply	110-240 V, 50-60 Hz, Single-phase			
Power Consumption	3 kW	4.5 kW	5.4 kW	9.3 kW
External Dimension	476×616×990 mm	546×688×1030 mm	546×688×1220 mm	680×820×1180 mm
Packing Dimension	550×690×1190 mm	610×760×1250 mm	610×760×1450 mm	760×910×1370 mm
Net Weight	68 kgs	92 kgs	112 kgs	162 kgs
Gross Weight	88 kgs	116 kgs	136 kgs	186 kgs