



Vertical Autoclave LD-LVA-L21

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Overview

Vertical Autoclave LD-LVA-L2 Series is a steam sterilizer designed for efficient disinfection of instruments, liquids, and porous materials. It operates using saturated steam and features a precise electric heating system for consistent temperature and pressure control. Built with a sturdy vertical structure, it includes a high-quality sterilization chamber, a secure hand wheel-type door, a powerful steam generator, and a well-designed piping system to ensure uniform steam distribution.

Features:

- Intelligent PID controller for fully automatic sterilization
- Automatically removes cold air to ensure pure steam and effective sterilization
- Six-stage exhaust speeds for material-specific cooling
- Dedicated waste sterilization mode
- Built-in cooling fan and programmable cooling lock
- Easy calibration for temperature and pressure
- Steam collector with integrated water tank
- Split-column lock and eight-column interlock for chamber safety
- Electric double inner lock for secure door control
- Three-level user access with password protection
- Anti-scald insulated body with temperature-sensitive probe
- Triple dry-burn protection with water level sensing
- Advanced safety with overvoltage, over-temperature, overcurrent, and short-circuit protection
- Real-time fault detection, auto shutdown and closed lid check for secure operation
- Exhaust monitoring and memory backup ensure efficiency and data retention

Applications:

The laboratory autoclave is designed for use in laboratories, research institutions, pharmaceuticals, and the food industry, efficiently sterilizing high-temperature and pressure-resistant items such as unwrapped/wrapped instruments, dressings, rubber, liquids, plant instruments, and porous or hollow items.

Specifications:

Interface	USB
Data Storage	1000 sterilization records
Melting Time	1-6000 min
Warming Time	1-9999 min
Chamber Volume	54 L
Display System	Large LCD screen
Pressure Gauge	-0.1/0.5 Mpa

Design Pressure	0.3 Mpa
Chamber Material	SUS304
Chamber Dimension	?325x670 mm
Cooling Lock OPEN	40-80 ? for liquid cycle, 40-99 ? for other cycles
Power Consumption	2600 W
External Dimension	460 × 542 × 1070 mm
Sterilization Time	1-6000 min
Melting Temperature	60-115 ?
Sterilization Cycle	10 sterilization cycle and Customized cycle: 60 cycles
Warming Temperature	45-79 ?
Working environment	5-45 ?, 10% – 85% RH
Max Working Pressure	0.25 Mpa
Temperature Accuracy	0.1 ?
Preset Range of Timer	1 min to 7 days
Drying Time (optional)	1-300 min, 80-140 ?
Stainless Steel Basket	(?360x200 mm) × 3pcs
Sterilization Temperature	105-138 ?, design temperature: 153 ?