

LVA-L1 Series

LABTRON

Vertical Autoclave



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Vertical Autoclave LVA-L1 Series

Vertical Autoclave LVA-L10:

Vertical Autoclave LVA-L10 is a 60 liter capacity fast speed microcomputer controlled unit with eight column evenly distributed mechanical interlocking system and cooling lock open temperature for sterilization. Inbuilt with automatic water feeding, cooling fan and drying mode for different types of sterilization cycles such as agar and solid with drying cycle. It consists of embedded steam collector and water tank with exhaust mode. Automatic protection with water level sensor, overpressure, cooling lock, dry scorch, temperature, safety valve, short circuit and anti-scald chamber leakage.

Vertical Autoclave LVA-L11:

Vertical Autoclave LVA-L11 is an 85 liter capacity fast speed microcomputer controlled unit with eight column evenly distributed mechanical interlocking system and cooling lock open temperature for sterilization. Inbuilt with automatic water feeding, cooling fan and drying mode for different types of sterilization cycles such as agar and solid with drying cycle. It consists of embedded steam collector and water tank with exhaust mode. Automatic protection with water level sensor, overpressure, cooling lock, dry scorch, temperature, safety valve, short circuit and anti-scald chamber leakage.

Vertical Autoclave LVA-L12:

Vertical Autoclave LVA-L12 is a 110 liter capacity fast speed microcomputer controlled unit with eight column evenly distributed mechanical interlocking system and cooling lock open temperature for sterilization. Inbuilt with automatic water feeding, cooling fan and drying mode for different types of sterilization cycles such as agar and solid with drying cycle. It consists of embedded steam collector and water tank with exhaust mode. Automatic protection with water level sensor, overpressure, cooling lock, dry scorch, temperature, safety valve, short circuit and anti-scald chamber leakage.

Features:

- ◆ Fast speed microcomputer intelligent control system
- ◆ Eight column evenly distributed mechanical interlocking system
- ◆ Drying mode consists of Automatic water feeding + cooling fan + drying
- ◆ Specially designed for solid with drying function sterilization cycle
- ◆ Sterilization cycle: Solid, liquid, liquid with warming, agar, solid with drying, medical waste and customized cycles
- ◆ Sterilization cycle number: up to 60 cycles
- ◆ Made up of SUS 304 chamber material
- ◆ Up and Down lid opening type
- ◆ Consist of auto start and preset range of timer
- ◆ Water level sensor, leakage cooling lock, over pressure protection
- ◆ Temperature monitor, anti-scald chamber and short circuit protection
- ◆ Automatic internal discharging exhaust mode with steam collector bottle
- ◆ Cooling lock open temperature feature
- ◆ Easy to understand and operable control panel

Application:

Widely used in the applications of Biochemistry, pharmaceutical industry, medicine and health care industry, Biotechnology, Microbiology and scientific research.

Specification:

Model No	LVA-L10	LVA-L11	LVA-L12
Capacity	60 L	85 L	110 L
Number of baskets	2		3
Sterilization temperature	105 °C to 138 °C		
Working environment temperature	5 °C to 45 °C		
Temperature accuracy	0.1 °C		
Sterilization time range	1 to 6000 minutes		
Melting temperature	45 °C to 60 °C		
Melting time range	1 to 9999 minutes		
Drying temperature	80 °C to 140 °C		
Drying time range	1 to 300 minutes		
Pressure gauge display	-0.1 MPa to 0.5 MPa		
Maximum working pressure	0.27 MPa		
Design pressure	0.35 MPa		
Chamber material	SUS 304		
Steam collector	Embedded steam collector		
Water tank	28 L tank		
Sterilization cycle	Solid, liquid, liquid with warming, agar, solid with drying, medical waste and customized cycles		
Sterilization cycle number	Up to 60 cycles		
Power supply	2900 W	4600 W	

Current supply	16 A	32 A	
Voltage supply	AC 220 V, 50/60 Hz		
Chamber dimension (D × H)	φ 400 mm × 505 mm	φ 400 mm × 700 mm	φ 400 mm × 895 mm
Stainless steel basket dimension (D × H)	(φ 360 mm × 200 mm) × 2	(φ 360 mm × 280 mm) × 2	(φ 360 mm × 250 mm) × 3
Dimensions (L × W × H)	660 × 644 × 980 mm		660 × 644 × 1180 mm
Packing Dimensions (L × W × H)	980 × 800 × 1230 mm		980 × 800 × 1430 mm
Gross Weight	157 kg	162 kg	182 kg

Standard Accessories:

No	Accessory name
1	Drainage Hose
2	Water Plate
3	Exhaust Bottle