



LABORATORY AUTOCLAVE



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Vertical Autoclave LVA-100 Series



Labocon Vertical Autoclave LVA-100 Series is designed to provide high quality repeatable performance and accountability for a wide range of applications used in modern laboratories. It is ideal for sterilization of medical equipment, dressings, glasswares, culture medium, etc.

Features:

- Exterior, interior and baskets made of Stainless Steel SUS 304, resistant to acid, alkali and corrosion
- Model LVA-102, LVA-103, LVA-104: Hand wheel type lid for quick opening and safety interlock device
- Self-expanding seal ring
- Microcomputer intelligent control
- Utilization of pressure saturated steam for quick and reliable sterilization of goods
- Buzzer alarm for low water level and completion of sterilization process
- Over temperature protection device
- Automatic exhaust system for cold air and pressure



Application:

Labocon Vertical Autoclave is applicable in bacteriological and research laboratories, medical and health work, scientific and agricultural institutes.

Specification:

Model	LVA-101	LVA-102	LVA-103	LVA-104
Capacity	30 L	60 L	75 L	100 L
Sterilization Temp.	126°C-128°C	135°C-138°C		
Working Pressure	0.145-0.165 MPa	0.22-0.25 MPa		
Sterilization Time	0-120 min			
Chamber Dimension (mm)	300x400 mm	400x520 mm	400x600 mm	400x760 mm
Overall Dimension (mm)	404x404x810 mm	500x500x1080 mm	500x500x1100 mm	500x500x1260 mm
Power	2000 W	3100 W	3500 W	
Power Supply	220V, 50Hz			
Weight (Net/Gross)	34/43 kg	64/76 kg	68/81 kg	71/86 kg
Catalog No.	9522131127	9522132127	9522133127	9522134127

Vertical Autoclave LVA-200 Series



Labocon Vertical Autoclave LVA-200 Series is designed for safe, stable and accurate sterilization process in research and industries. It offers excellent temperature stability and is equipped with microprocessor based digital PID controller.

Features:

- Fully automatic sterilizer
- One touch door system
- Lock system provided
- Excellent temperature stability and accuracy at $121^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$
- Pressure Gauge: Mechanical type 0 to 3 Kg/cm²
- Thermocouple: R.T.D Type
- Heater element: Stainless Steel Sheath Pipe Type
- Automatic reset function
- Over-temperature and over-pressure protection
- Alarm function for automatic exhaustion of steam in sterilizer
- Optional: Basket



Application:

Labocon Vertical Autoclave is suitable in bacteriological and research laboratories, medical, clinical and pharmaceutical units, hospitals, pathological laboratories, R & D laboratories, etc.

Specification:

Model	LVA-201	LVA-202	LVA-203	LVA-204
Capacity	60 L	80 L	100 L	128 L
Sterilization Temp.	121℃			
Working Pressure	0.117-0.127 MPa			
Sterilization Time	0-99 h 59 min			
Chamber Dimension (mm)	350x630 mm	400x650 mm	450x650 mm	500x650 mm
Overall Dimension (mm)	550x680x1060 mm	600x730x1060 mm	650x780x1080 mm	700x830x1350 mm
Power	3000W	5000W		
Power Supply	220 V			
Catalog No.	9522135472	9522136472	9522137472	9522138472

Vertical Autoclave LVA-300 Series



Labocon Vertical Autoclave LVA-300 Series is ergonomically designed to meet the sterilization procedures in a laboratory based environment. It offers excellent temperature stability and is equipped with microprocessor based digital PID controller.



Features:

- Stainless steel chamber material
- Unique anti-scald designed sterilization chamber to avoid corrosion
- Multi-layered pressure protection system
- Five sterilization modes for drying and warming of solids, semi-solids and liquids
- Microcomputer control system
- Simple and easy to understand control panel
- Automatic checking of locking condition of cover
- Automatic sterilization according to preset time
- Fully automatic internal discharge control embedded with a steam trapping bottle
- Safety device: Self-induction pressure interlocking device, over temperature protection system, dry scorch protection system, overpressure protection, safety valve, over current and short circuit protection, cover inspection system, leakage protection device, anti-scald safety protection and automatic trouble shooting system
- Optional: Stainless steel basket

Application:

Labocon Vertical Autoclave is suitable in bacteriological and research laboratories, medical, clinical and pharmaceutical units, hospitals, pathological laboratories, R & D laboratories, etc.

Vertical Autoclave LVA-300 Series



Specification:

Model	LVA-301-A	LVA-302-A	LVA-303-A	LVA-304-A
	LVA-301-B	LVA-302-B	LVA-303-B	LVA-304-B
	LVA-301-C	LVA-302-C	LVA-303-C	LVA-304-C
Features	LVA-301-C	LVA-302-C	LVA-303-C	LVA-304-C
Capacity	36 L	54 L	80 L	100 L
Sterilization Temp.	105-135°C			
Working Temp.	5°C-138°C			
Humidity Range	10%-85% RH			
Pressure	0-0.6MPa			
Chamber Dimension	320×530 mm	320×730 mm	400×700 mm	400×800 mm
Overall Dimension	460x542x1070 mm	460x542x1070 mm	620x680x1040 mm	620x680x1140 mm
Power	2300 W	2900 W	4600 W	4600 W
Power Supply	220V 50Hz/60Hz			
Catalog No.	9522139601A/B/C	9522140601A/B/C	9522141601A/B/C	9522142601A/B/C

Function Table

Model		LVA-301-A	LVA-301-B	LVA-301-C
		LVA-302-A	LVA-302-B	LVA-302-C
		LVA-303-A	LVA-303-B	LVA-303-C
Features				
Sterilization mode	Solid mode: Heating-Sterilization -Exhausting	Yes	Yes	Exhausting controlled by a knob
	Solid with drying mode: Heating- Sterilization- Exhausting-Water drainage-Drying	Yes	No	No
	Liquid mode: Heating-Sterilizing -Precooling- Exhausting	Yes	Yes	Exhausting controlled by a knob
	Liquid with warming mode: Heating-Sterilizing- Precooling- Exhausting-Warming	Yes	Yes	No
	Agar mode: Heating-Melting- Warming	Yes	Yes	Yes
Preset range of exhausting temperature		73-104°C	73-104°C	Exhausting controlled by a knob
Preset range of drying time		1-300min	No	No
Status flow chart that displays work processes		Yes	Yes	Status indicator
Timed start up		0min-6days delayed	0min-6days delayed	No
Procedures created		60	60	20

Vertical Autoclave LVA-400 Series



Labocon features Vertical Autoclave LVA-400 Series is ergonomically designed to provide high quality reliable performance for a wide range of applications in laboratories. It helps in sterilization procedures in a laboratory based environment, which has its unique requirements.

Features:

- Stainless steel chamber material
- Resin coated insulation of chamber cover and bench to avoid hand burns
- Rounded corners avoid collisions and injuries
- Six sterilization modes for drying and warming of solids, semi-solids and liquids
- Waste sterilization mode and drying function
- Temperature and pressure calibration interface
- Microcomputer control system
- Simple and easy to understand control panel
- Automatic monitoring of the discharge conditions of cold air
- Convenience of frequent water feeding
- Automatic opening of the vent valve to discharge steam on completion of sterilization procedure
- Automatic sterilization according to preset time
- Fully automatic internal discharge control embedded with a steam trapping bottle
- Safety function: "Eight-column evenly distributed" interlocking device, electric double inner locks, dry scorch protection, overpressure protection, safety valve, over temperature protection, over current and short circuit protection, leakage protection, cooling lock, anti-scald chamber cover and bench, automatic troubleshooting
- Optional:
 - * Stainless steel basket
 - * Drainage hose
 - * Water plate
 - * Exhaust bottle
 - * Stainless steel pail
 - * Cooling fan
 - * Thermometer

Application:

Labocon Vertical Autoclave is applicable in bacteriological and research laboratories, medical and health work, scientific and agricultural institutes.

Vertical Autoclave LVA-400 Series



Specification:

Model

Function Table

Features		Model	LVA-401-A	LVA-401-B	LVA-401-C
			LVA-402-A	LVA-402-B	LVA-402-C
			LVA-402-A	LVA-403-B	LVA-403-C
Sterilization mode	Solid mode: Heating-Sterilizing- Exhausting and air cooling		Yes	Yes	Yes
	Solid with drying mode: Heating-Sterilizing- Exhausting and air cooling-water drainag e-drying		Yes	No	No
	Liquid mode: Heating-sterilizing- Precooling-Steam exhausting		Yes	Yes	Yes
	Waste Mode: Heating-Sterilizing- Steam exhausting and air cooling		Yes	Yes	Yes
	Waste Mode: Heating-Sterilizing- Steam exhausting and air cooling		Yes	Yes	Yes
	Agar Mode: Heating-Melting- Warming		Yes	Yes	Yes
Automatic water feeding			STANDARD	STANDARD	No
Water level sensor			STANDARD	STANDARD	No
Cooling fan			STANDARD	STANDARD	OPTIONAL
Load thermometer			STANDARD	STANDARD	OPTIONAL
Printer			STANDARD	STANDARD	OPTIONAL
Memory system			Create 60 procedures	Create 60 procedures	Create 20 procedures

HORIZONTAL AUTOCLAVE LHA-100 SERIES



Labocon Horizontal Autoclave LHA-100 Series is built with an advanced micro-computer controlled PID temperature controller. It is designed to provide a safe, reliable and accurate steam sterilization performance for a wide range of applications in modern laboratories.

Features:

- High quality stainless steel chamber
- With drying function
- Airproof ring made of silicon rubber
- Temperature precision: $\pm 0.5^{\circ}\text{C}$
- LED digital temperature display
- PID temperature controller
- Water tank and sterilization room have double pressure along with temperature display and control
- Indication of the equipment status through LED light and alert device
- Automatic water feeding
- Automatic termination and continuation of heating at low water level
- Over temperature alarm terminates heating process
- Safety valve for over pressure protection
- Working pressure and disinfecting status controls the linkage device of door lock



Application:

Labocon Horizontal Autoclave is widely used for sterilization applications in biotechnology industries, pharmaceutical industries, hospitals, research laboratories, etc.

Specification:

Model	LHA-101	LHA-102
Capacity	150 L	300 L
Sterilization Temp.	5-126°C	
Working Pressure	$\geq 0.35 \text{ MPa}$	
Timer Range	1 min-99.59h	
Chamber Dimension	500x1000 mm	600x1000 mm
Overall Dimension	1000x600x1200 mm	1200x760x1700 mm
Temp. Difference	$\pm 1^{\circ}\text{C}$	
Power Supply	220V, 50Hz	380V, 50Hz
Power	7500W	12000W
Catalog No.	9522146250	9522147250

HORIZONTAL AUTOCLAVE LHA-200 SERIES



Labocon Horizontal Autoclave LHA-200 Series is designed to provide a safe, reliable and accurate steam sterilization performance for a wide range of sterilization applications in modern laboratories. It is suitable for applications that require routine destruction of all living micro-organisms.

Features:

- High quality stainless steel chamber
- With drying function
- Controlled automatic sterilization
- Door remains locked if pressure exceeds 0.027 MPa
- Automatic opening of safety valve when pressure exceeds 0.165 MPa
- Automatic power cut-off and water cut-off in case of lack of water
- Over temperature, over pressure, auto-protection device



Application:

Labocon Horizontal Autoclave is widely used for sterilization applications in biotechnology industries, pharmaceutical industries, hospitals, research laboratories, etc.

Specification:

Model	LHA-201	LHA-202	LHA-203	LHA-204	LHA-205
Capacity	150 L	200 L	280 L	400 L	500 L
Sterilization Temp.	134°C				
Working Pressure	0.22 MPa				
Sterilization Time	0-60 min				
Average Heat	≤±1°C				
Chamber Dimension (mm)	440x1000	515x1000	600x1000	700x1100	
Overall Dimension (mm)	1400x600x1300	1400x670x1650	1400x770x1780	1430x880x1830	1800x900x1820
Power	9000W		12000W	18000W	
Power Supply	380V, 50Hz				
Weight (Net/Gross)	240/320 kg	260/350 kg	365/465 kg	520/530 kg	470/580 kg
Catalog No.	9522148486	9522149486	9522150486	9522151486	9522152486

HORIZONTAL AUTOCLAVE LHA-300 SERIES



Labocon Horizontal Autoclave LHA-300 Series is designed to provide a safe, reliable and accurate steam sterilization performance for a wide range of applications in modern laboratories. It is suitable for applications that require routine destruction of all living micro-organisms.

Features:

- High quality stainless steel chamber
- With drying function
- Controlled automatic sterilization
- Door remains locked if pressure exceeds 0.027 MPa
- Automatic opening of safety valve when pressure exceeds 0.165 MPa
- Automatic power cut-off and water cut-off in case of lack of water
- Over temperature, over pressure, auto-protection device



Application:

Labocon Horizontal Autoclave is an ideal sterilizing tool for laboratories, hospitals, pharmaceutical industries, research and development and scientific institutes.

Specification:

Model	LHA-301	LHA-302	LHA-303	LHA-304
Capacity	150 L	200 L	280 L	400 L
Sterilization Temp.	134°C			
Working Pressure	0.22 MPa			
Sterilization Time	0-99 min			
Chamber Dimension (mm)	480x850	515x1000	600x1000	700x1300
Overall Dimension (mm)	1400x600x1300	1400x670x1650	1400x770x1780	1800x900x1820
Power	9000W		12000W	18000W
Power Supply	380V, 50Hz			
Weight (Net/Gross)	240/320 kg	260/350 kg	365/465 kg	420/530 kg
Catalog No.	9522153486	9522154486	9522155486	9522156486

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