

LWA SERIES

Vertical Autoclave



Vertical Laboratory Autoclave C series:

Model of Labtron Vertical Laboratory Autoclave LVA-C series is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. It is equipped with user friendly control panel.

Features:

- ◆ Composed of stainless steel body with two stainless steel sterilizing baskets
- ◆ Equipped with light indicator to display working status and double scale indication pressure gauge
- ◆ Auto power cut in case of water shortage
- ◆ Automatic shutdown with beep sound as sterilization completes
- ◆ Auto protection against over temperature and pressure

Applications:

This product finds applications in: Biochemistry, Pharmaceutical Industry, Medicine and Health care Industry, Biotechnology, Microbiology and Scientific Research.

Specifications:

Model	LVA-C10	LVA-C11	LVA-C12
Capacity	35L	50L	75L
Sterilization Temperature	134°C	134°C	134°C
Sterilization Pressure	0.22 Mpa	0.22 Mpa	0.22 Mpa
Timer Range	0-60 min	0-60 min	0-60 min
Heat Average	$\leq \pm 1^{\circ}\text{C}$	$\leq \pm 1^{\circ}\text{C}$	$\leq \pm 1^{\circ}\text{C}$
Chamber Dimension (mm)($\Phi \times D$)	318×450	340×550	400×600
Net Weight (Kgs)	42	50	70
Gross Weight (Kgs)	56	68	90
Power Supply	AC220V 50Hz/2.5KW	AC220V 50Hz/3KW	AC220V 50Hz/4.5KW

Model	LVA-C13	LVA-C14	LVA-C15
Capacity	100L	120L	150L
Sterilization Temperature	134°C	134°C	134°C
Sterilization Pressure	0.22 Mpa	0.22 Mpa	0.22 Mpa
Timer Range	0-60 min	0-60 min	0-60 min
Heat Average	$\leq \pm 1^{\circ}\text{C}$	$\leq \pm 1^{\circ}\text{C}$	$\leq \pm 1^{\circ}\text{C}$
Chamber Dimension (mm)($\Phi \times D$)	440×650	480×660	510×740
Net Weight (Kgs)	85	100	110
Gross Weight (Kgs)	105	125	135
Power Supply	AC220V 50Hz/4.5KW	AC220V 50Hz/3KW	AC220V 50Hz/4.5KW

Vertical Laboratory Autoclave G series:

Model of Labtron Vertical Laboratory Autoclave LVA-G series is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. It is equipped with user friendly control panel.

Features:

- ◆ User can set sterilization time depending upon the material
- ◆ Designed with horizontal sliding door with safety interlock device which do not allow door to open until there is no pressure in the chamber
- ◆ Equipped with four wheels for easy movement of the unit and self-bulge seal ring to prevent leakage
- ◆ Dual scale numerical pressure gauge
- ◆ Auto protection against over temperature and pressure
- ◆ Safety valve and door locking system with pressure or temperature overloading protection device
- ◆ The door is made up of high performance heat insulation material with safe locking system

Application:

This product finds applications in: Biochemistry, Pharmaceutical Industry, Medicine and Health care Industry, Biotechnology, Microbiology and Scientific Research.

Specification:

Model	LVA-G10	LVA-G11	LVA-G12	LVA-G13
Capacity	35L	50L	75L	100L
Sterilization Temperature	134°C			
Sterilization Pressure	0.22 Mpa			
Timer Range	0-99 min			
Heat Average	$\leq \pm 1^\circ\text{C}$			
Chamber Dimension (mm)($\Phi \times D$)	318×450	340×550	400×600	440×650
Net Weight (Kgs)	56	68	80	85
Gross Weight (Kgs)	72	82	100	110
Power Supply	AC220V 50Hz/2.5KW	AC220V 50Hz/3.5KW		AC220V 50Hz/4.5KW

Vertical Laboratory Autoclave H series:

Model of Labtron Vertical Laboratory Autoclave LVA-H series is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. It is equipped with user friendly control panel.

Features:

- ◆ Direct heating by immersed copper tubes of heating elements
- ◆ Digital display with touch key pad
- ◆ PLC control system
- ◆ Auto protection against over temperature and pressure
- ◆ Designed with horizontal sliding door with safety interlock device which do not allow door to open until there is no pressure in the chamber
- ◆ Made up of SUS304 stainless steel with in-built water tank
- ◆ Equipped with silicon rubber seal to prevent steam leakage and safety alarm
- ◆ Safety valve to get automatically release against over-pressure
- ◆ Automatic system for water feeding, increasing temperature, sterilization, exhausting air and drying
- ◆ Drying option is available on customer's request

Application:

This product finds applications in: Biochemistry, Pharmaceutical Industry, Medicine and Health care Industry, Biotechnology, Microbiology and Scientific Research.

Specification:

Model	LVA-H10	LVA-H11	LVA-H12	LVA-H13
Capacity	35L	50L	75L	100L
Sterilization Temperature	134°C			
Sterilization Pressure	0.22 Mpa			
Timer Range	0-99 min			
Heat Average	$\leq \pm 1^\circ\text{C}$			
Chamber Dimension (mm)($\Phi \times D$)	280×500	320×610	388×530	388×670
Net Weight (Kgs)	45	48	57	76
Gross Weight (Kgs)	57	90	74	85
Power Supply	AC220V 50Hz/2.5KW	AC220V 50Hz/3.5KW		AC220V 50Hz/4KW

Vertical Laboratory Autoclave I series:

Model of Labtron Vertical Laboratory Autoclave LVA-I series is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. It is equipped with user friendly control panel.

Features:

- ◆ Direct heating by immersed copper tubes of heating elements
- ◆ LCD display with touch key pad
- ◆ PLC control system
- ◆ Auto protection against over temperature and pressure
- ◆ Designed with safety interlock device which do not allow door to open until there is no pressure in the chamber
- ◆ Made up of SUS304 stainless steel with in-built water tank
- ◆ Equipped with silicon rubber seal to prevent steam leakage and safety alarm
- ◆ Safety valve to get automatically release against over-pressure
- ◆ Dual scale numerical pressure gauge

Application:

This product finds applications in: Biochemistry, Pharmaceutical Industry, Medicine and Health care Industry, Biotechnology, Microbiology and Scientific Research.

Specification:

Model	LVA-I10	LVA-I11	LVA-I12
Capacity	35L	50L	75L
Sterilization Temperature	134°C		
Sterilization Pressure	0.22 Mpa		
Timer Range	0-99 min		
Heat Average	$\leq \pm 1^\circ\text{C}$		
Chamber Dimension (mm)($\Phi \times D$)	280×500	320×610	388×530
Net Weight (Kgs)	40	42	62
Gross Weight (Kgs)	52	54	76
Power Supply	AC220V 50Hz/2.5KW	AC220V 50Hz/3.5KW	AC220V 50Hz/3.5KW

Specification:

Model	LVA-I13	LVA-I14	LVA-I15
Capacity	100L	120L	150L
Sterilization Temperature	134°C		
Sterilization Pressure	0.22 Mpa		
Timer Range	0-99 min		
Heat Average	≤ ±1°C		
Chamber Dimension (mm)(Φ×D)	388×670	460×670	460×760
Net Weight (Kgs)	65	84	94
Gross Weight (Kgs)	82	102	120
Power Supply	AC220V 50Hz/4KW	AC220V 50Hz/4KW	AC220V 50Hz/4.5KW

Vertical Laboratory Autoclave J series:

Model of Labtron Vertical Laboratory Autoclave LVA-J series is a top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. It is equipped with user friendly control panel.

Features:

- ◆ Dual scale numerical pressure gauge
- ◆ Direct heating by immersed copper tubes of heating elements
- ◆ Equipped with silicon rubber seal to prevent steam leakage and safety alarm
- ◆ Composed of SUS304 stainless steel which is durable and safe
- ◆ Provision to control sterilization time, pressure and temperature with the help of knob
- ◆ Consists of indicator to show working status

Applications:

This product finds applications in: Biochemistry, Pharmaceutical Industry, Medicine and Health care Industry, Biotechnology, Microbiology and Scientific Research.

Specification:

Model	LVA-J10	LVA-J11	LVA-J12
Capacity	35L	50L	75L
Sterilization Temperature	134°C		
Sterilization Pressure	0.22 Mpa		
Timer Range	0-80 min		
Heat Average	$\leq \pm 1^{\circ}\text{C}$		
Chamber Dimension (mm)($\Phi \times D$)	280×500	320×610	388×530
Net Weight (Kgs)	40	42	62
Gross Weight (Kgs)	52	54	76
Power Supply	AC220V 50Hz/2.5KW	AC220V 50Hz/3.5KW	AC220V 50Hz/3.5KW

Vertical Laboratory Autoclave K series:

Vertical Autoclave LVA-K series are top loading sterilizer which provides safe, economic and effective sterilization of laboratory instruments. The autoclave has automatic system for feeding water, pulse vacuum, sterilization, vacuum drying, exhaustion and draining. These autoclave comes with digital display with touch key pad.

Features:

- ◆ 7 inches' touch screen display
- ◆ Automatic control system
- ◆ Elevated type door
- ◆ Automatic system for feeding water, pulse vacuum, sterilization, vacuum drying, exhaustion and draining
- ◆ Equipped with PT-TT testing port
- ◆ Energy efficient steam generator
- ◆ Equipped with 0.2µm sterile ventilation filter
- ◆ Clean and dry sterilizing environment facilitated by steam-water inner circulation system

Application:

This product finds applications in: Biochemistry, Pharmaceutical Industry, Medicine and Health care Industry, Biotechnology, Microbiology and Scientific Research.

Specification:

Model	LVA-K10	LVA-K11	LVA-K12	LVA-K13
Capacity	60 L	80 L	100 L	120 L
Sterilization Temperature	134 °C	134 °C	134 °C	134 °C
Sterilization Pressure	0.22 Mpa	0.22 Mpa	0.22 Mpa	0.22 Mpa
Timer Range	0 min ~ 99 mins	0 min ~ 99 mins	0 min ~ 99 mins	0 min ~ 99 mins
Adjustment of temperature	105 ~134 °C	105 ~134 °C	105 ~134 °C	105 ~134 °C
Heat Average	≤±1 °C	≤±1 °C	≤±1 °C	≤±1 °C
Chamber Dimension (mm)(Φ×D)	396 × 490 mm	396 × 650 mm	504 x 404 x 502 mm	504 x 490 x 590 mm
Height after rising	1310 mm	1590 mm	1475 mm	1565 mm
Power	Steam generator 3.0 kW Drying 2.4 kW/AC 220 V, 50 Hz	Steam generator 3.0 kW Drying 2.4 kW/AC 220 V, 50 Hz	Steam generator 3.6 kW Drying 2.4 k W/ AC 220 V, 50 Hz	Steam generator 3.6 kW Drying 2.4 k W/ AC 220 V, 50 Hz
Overall dimensions	686 x 556 x 913 mm	686 x 556 x 1035 mm	840 x 600 x 970 mm	840 x 600 x 1060 mm
Net Weight (Kgs)	210	230	300	325