

labodam

# Vertical Autoclave



## Vertical Laboratory Autoclave B series:

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

### Features:

- ◆ Made up of SUS304 stainless steel with two stainless steel sterilizing baskets
- ◆ Drying system is optional which can be provided on customers' request
- ◆ Digital display with touch keypad
- ◆ Auto discharge of cool air and steam
- ◆ User friendly and automatic shutdown with beep sound as sterilization completes

### Application:

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

## Specifications:

Model	LVA-B10	LVA-B11	LVA-B12	LVA-B1 3
Capacity	35L	50L	75L	100L
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	0-99 min	0-99 min	0-99 min	0-99 min
Heat Average	≤ ±1 °C	≤ ±1 °C	≤ ±1 °C	≤ ±1 °C
Chamber Dimension (mm)(DxD)	318×450	340×550	400×600	440×650
Net Weight (Kgs)	42	50	70	85
Gross Weight (Kgs)	56	68	90	105
Power Supply	AC220V 50Hz/2.5KW	AC220V 50Hz/3KW	AC220V 50Hz/4.5KW	

## Vertical Laboratory Autoclave C series:

Model of Labodam 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	$\leq \pm 1$ °C	$\leq \pm 1$ °C	$\leq \pm 1$ °C
Chamber Dimension (mm)( $\times$ D)	318 $\times$ 450	340 $\times$ 550	400 $\times$ 600
Net Weight (Kgs)	42	50	70
Gross Weight (Kgs)	56	68	90
Power Supply	AC220V 50Hz/2.5K W	AC220V 50Hz/3K W	AC220V 50Hz/4.5K W

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	$\leq \pm 1$ °C	$\leq \pm 1$ °C	$\leq \pm 1$ °C
Chamber Dimension (mm)( $\times$ D)	440 $\times$ 650	480 $\times$ 660	510 $\times$ 740
Net Weight (Kgs)	85	100	110
Gross Weight (Kgs)	105	125	135
Power Supply	AC220V 50Hz/4.5K W	AC220V 50Hz/3K W	AC220V 50Hz/4.5K W

## Vertical Laboratory Autoclave E series:

Model of Labodam Vertical Laboratory Autoclave LVA-E 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:

- ◆ Micro-computer controlled system with LCD screen to display sterilization temperature and time dynamics
- ◆ Automatic system for water feeding, increasing temperature, sterilization, exhausting air and drying
- ◆ Designed with horizontal sliding door with safety interlock device which does not allow door to open until there is no pressure in the chamber
- ◆ Glass reinforced plastics cover prevents the operator to get hurt
- ◆ Temperature can be adjusted from 105-134 °C
- ◆ Safety against over temperature, pressure and electric leakage
- ◆ Made up of SUS304 stainless steel within-built water tank
- ◆ Equipped with silicon rubber seal to prevent steam leakage and safety alarm

### Application:

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

### Specification:

Model	LVA-E10	LVA-E11	LVA-E12	LVA-E13
Capacity	35L	50L	75L	100L
Sterilization Temperature	134 °C			
Sterilization Pressure	0.22 Mpa			
Timer Range	0-99 min			
Heat Average	±1			
Chamber Dimension (mm)( ×D)	280×500	320×610	400×600	440×650
Net Weight (Kgs)	40	92	95	76
Gross Weight (Kgs)	52	108	112	85
Power Supply	AC220V 50Hz/2.5K W	AC220V 50Hz/3.5K W		AC220V50Hz/4K W

## Vertical Laboratory Autoclave LVA-F10 and LVA-F11:

Model of Labodam Vertical Laboratory Autoclave LVA-F 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:

- ◆ Digital display with touch keypad which shows temperature, pressure, time and vacuum rate
- ◆ Automatic shutdown with beep sound as sterilization completes
- ◆ Composed of stainless steel body with two stainless steel basket attached to it
- ◆ Designed with hand wheel type structure to quickly open the door and self-sealing type seal is used to prevent leakage
- ◆ Equipped with 0.22 µm bacteria filter which ensure the sterile air enters the inner vacuum environment
- ◆ Three times pulse vacuum which makes the vacuum rate as -0.081 Mpa and ensures the high extraction of inner air from dressing, A, B type hollowed appliance
- ◆ Equipped with the PT/TT testing connector
- ◆ Automatic system for water feeding, increasing temperature, sterilization, exhausting air and drying

### Application:

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

### Specification:

Model	LVA-F10	LVA-F11
Capacity	50L	75L
Sterilization Temperature	134°C	
Sterilization Pressure	0.22 Mpa	
Timer Range	1-99 min	
Heat Average	±1	
Chamber Dimension (mm)( ×D)	340×550	400×600
Net Weight (Kgs)	100	92
Gross Weight (Kgs)	120	108
Power Supply	AC220V 50Hz/3K W	AC220V 50Hz/4.5K W

## Vertical Laboratory Autoclave LVA-F12, LVA-F20, LVA-F21 and LVA-F22:

Model of Labodam Vertical Laboratory Autoclave LVA-F 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:

- ◆ Made up of stainless steel material with horizontal sliding door and self-bulge seal ring
- ◆ The door is made up of high performance heat insulation material with safe locking system
- ◆ Positive pressure pulse function exhausts cool air of chamber completely
- ◆ Micro-computer controlled system with LCD display and touch key pad
- ◆ Equipped with preheating control function and two sterilizing stainless steel baskets
- ◆ Automatic system for water feeding, increasing temperature, sterilization, exhausting air and drying
- ◆ In-built water tank with safety valve to get automatically release against over-pressure
- ◆ Safe protection against water shortage
- ◆ Auto protection against over temperature and pressure

### Application:

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

### Specification:

Model	LVA-F12	LVA-F20	LVA-F21	LVA-F22
Capacity	35L	50L	75L	100L
Sterilization Temperature	134°C			
Sterilization Pressure	0.22 Mpa			
Timer Range	0-99 min			
Heat Average	±1			
Chamber Dimension (mm)( ×D)	318×450	340×550	400×600	440×650
Net Weight (Kgs)	77	83	98	110
Gross Weight (Kgs)	96	102	120	135
Power Supply	AC220V 50Hz/2.5K W	AC220V 50Hz/3.5K W	AC220V 50Hz/4.5K W	

## Vertical Laboratory Autoclave G series:

Model of Labodam 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	±1			
Chamber Dimension (mm)( ×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/2.5K W	AC220V 50Hz/3.5K W		AC220V 50Hz/4.5K W



## Vertical Laboratory Autoclave H series:

Model of Labodam 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 within-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	±1			
Chamber Dimension (mm)( ×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/2.5K W	AC220V 50Hz/3.5K W		AC220V50Hz/4K W

## Vertical Laboratory Autoclave I series:

Model of Labodam 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 within-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	±1		
Chamber Dimension (mm)( ×D)	280×500	320×610	388×530
Net Weight (Kgs)	40	42	62
Gross Weight (Kgs)	52	54	76
Power Supply	AC220V 50Hz/2.5K W	AC220V 50Hz/3.5K W	AC220V 50Hz/3.5K W

## 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		
Chamber Dimension (mm)( ×D)	388×670	460×670	460×760
Net Weight (Kgs)	65	84	94
Gross Weight (Kgs)	82	102	120
Power Supply	AC220V50Hz/4K W	AC220V50Hz/4K W	AC220V 50Hz/4.5K W

## Vertical Laboratory Autoclave J series:

Model of Labodam 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	±1		
Chamber Dimension (mm)( ×D)	280×500	320×610	388×530
Net W eight (Kgs)	40	42	62
Gross W eight (Kgs)	52	54	76
Power Supply	AC220V 50Hz/2.5K W	AC220V 50Hz/3.5K W	AC220V 50Hz/3.5K W

# 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 typedoor
- ◆ 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 × 404 × 502 mm	504 × 490 × 590 mm
Height after rising	1310 mm	1590 mm	1475 mm	1565 mm
Power	Steam generator 3.0 kW Drying 2.4 kW/AC 220V, 50 Hz	Steam generator 3.0 kW Drying 2.4 kW/AC 220V, 50 Hz	Steam generator 3.6 kW Drying 2.4 kW/ AC 220 V, 50 Hz	Steam generator 3.6 kW Drying 2.4 kW/ 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