

# **VERTICULAR SINGLE-LIVER LOCK AUTOCLAVE**

## **ALS-INS065**



## DESCRIPTION

The Vertical Autoclave is a top-loading sterilizer commonly used in hospitals, operating theatres (OT), and microbiology laboratories for sterilizing medical instruments and cultures. These autoclaves are specifically designed for healthcare professionals, laboratories, nursing homes, and hospitals. They provide rapid and efficient sterilization, ensuring high levels of hygiene and safety, making them essential for maintaining clinical and medical standards.

## KEY FEATURES

- **Ergonomic Single-Lever Lock:** Easy lid operation with one-hand opening.
- **High-Temp. Sterilization:** Temperature range up to 134°C for rapid sterilization. .
- **Effective Drying:** Efficient post-sterilization drying for optimal results.
- **External Drainage System:** Equipped with an external bottle for efficient draining of water and condensing steam.
- **Silicone Rubber Gasket:** Provides a tight and secure seal, ensuring reliable pressure and temperature control during the sterilization cycle.
- **Precision Control:** Microprocessor based Control ensures repeatability and high accuracy.
- **Compliance:** Meets both national and international standards for safety and performance.
- **Durable Stainless-Steel Interior:** The autoclave features a high-quality stainless-steel interior, offering excellent corrosion resistance, easy cleaning, and long-lasting performance.
- **Digital Temperature Indicator:** Equipped with a clear digital display for easy monitoring, the temperature indicator ensures precise control and accurate readings.
- **ISI Marked Flange/Immersion Heating Elements:** Equipped with ISI-certified flange or immersion heating elements for efficient and reliable heating, ensuring compliance with high safety and performance standards for consistent and fast sterilization.

## CONSTRUCTION OPTIONS

- **Economy Model:** Exterior made of painted MS sheet with a two-walled design.
- **Double-Walled Model:** Both inner and exterior chambers made of SS 304, offering enhanced durability and safety.
- **Triple-Walled Model:** Three-layered construction with thick SS 304 sheets for superior insulation and temperature stability.

## TECHNICAL SPECIFICATION

Construction	Economy Model	Double Walled Model	Triple Walled Model
MOC Exterior	Painted MS sheet	SS 304 (mirror finish)	SS 304 (mirror finish)
No. of walls	Two	Two	Three
Lid	Polished MS	SS 304	SS 304
Interior	SS 304 with silicon gasket		
Working Pressure	15-30 psi		
Working Temp.	121°C to 134°C		
Controller	Auto set to 15 psi & 121°C		
Pressure display	Analogue dial gauge		
Timer	Mechanical timer		
Programmable	Programmable automatic start timer		
Hydraulic tested	Hydraulically Tested up to 30 psi (ASME Guideline)		
Lid lock	Radial easy lock system for operating and closing / Single lever easy lock system for operating and closing		
Sterilization Cycle Program	Program for heating sterilization, exhaust, warming and completion.		
Basket	Stainless steel basket	Stainless steel basket	Not Required
Power supply	220 Volts 50 Hz		
Standard Fittings	Low water indicator; Automatic pressure switch; Pedal lifting device Steam release valve; Water outlet valve; Spring loaded safety valve Power cable with three pin tops		
Optional Accessories	Fully stainless-steel construction (GMP) Up to 134°C temperature range PID temperature controller cum timer with alarm (buzzer) PLC with HMI interface with data logging 21 CFR Part 11 software Thermal Printer Lower water cut-off		

## DIMENSIONS

Ordering Information	Dia. x Height	Volume	Watt
ALS-30VA	260 mm x 470 mm	30 - 45 Litres	2 kw
ALS-50VA	350 mm x 550 mm	50 - 65 Litres	3 kw
ALS-75VA	400 mm x 600 mm	70 - 85 Litres	4 kw
ALS-95VA	450 mm x 600 mm	90 - 115 Litres	4 kw
ALS-120VA	450 mm x 750 mm	120 - 165 Litres	5 kw
ALS-175VA	550 mm x 750 mm	170 - 200 Litres	6 kw

