

Portable Autoclave: Steam Sterilizer – 24L Capacity and 126°C Working Temperature



Steam Sterilizer

When bench space is tight and turnaround time is critical, a full-size autoclave is not always the right answer. The MSSTP-E24SWISS Portable Autoclave delivers reliable steam sterilization in a compact, top-loading design that fits on almost any laboratory bench. With a 24-litre stainless steel chamber, microcomputer-controlled operation, and automatic safety features, this steam sterilizer meets the daily reprocessing needs of clinics, research labs, and field health stations. This Portable Autoclave is built for teams that need dependable sterilization without a dedicated sterilization room.

Technical Specifications

- Model: MSSTP-E24SWISS
- Chamber Volume: 24 L (280 × 390 mm)
- Rated Working Pressure: 0.142 MPa
- Maximum Safety Pressure: 0.165 MPa
- Working Temperature Range: 105–126 °C
- Maximum Working Temperature: 126 °C
- Temperature Uniformity: ± 1 °C

- Sterilization Time Setting Range: 0–99 min
- Control System: Microcomputer control with digital display
- User Interface: Digital push-button setting; sterilization temperature and time adjustable
- Door/Lid: Screw-type quick-open lid with self-inflating seal; pressure gauge must return to zero before opening
- Safety Features: Auto release when over pressure; lack-of-water protection with power cut-off and buzzer alarm; buzzer reminder after sterilization cycle with automatic stop
- Material: All made of SUS 304 stainless steel
- Pressure Gauge: Double scale indication, clear to read
- Power: AC 220V, 50/60Hz, 2.0 kW
- Net Weight / Gross Weight: 17.5 kg / 19 kg
- Packing Dimensions: 410 × 410 × 680 mm

Standard Accessories Included

- Main sterilization unit
- Stainless steel sterilizing basket
- Power cord
- Instruction manual
- Self-inflating seal (installed)
- Double scale pressure gauge (installed)
- Buzzer alarm system (integrated)

Items Excluded

- External printer or data logger
- Additional sterilization baskets
- Calibration certificate (available on request)
- Installation services (available on request)
- Consumables beyond standard

Pre-installation Requirement

- Bench space: minimum 450 × 450 mm, level and heat-resistant
- Electrical: dedicated AC 220V, 50/60Hz, 2.0 kW outlet with proper earthing
- Water supply: distilled or deionized water for chamber (as per protocol)

- Drainage: nearby sink or drain for emptying chamber
- Ventilation: well-ventilated area to dissipate heat and steam
- Ambient temperature: 5–40 °C, relative humidity