

Vertical Autoclaves, 50L



Vertical Autoclaves (Model: MSFD50SASWISS)

The MSFD50SASWISS vertical autoclave sterilizer is a steam sterilizer designed for thorough sterilization in medical and laboratory environments. It is ideal for handling a variety of materials such as surgical instruments, laboratory equipment, and pharmaceutical items, offering efficient and reliable sterilization for solid, unwrapped instruments.

Product Specifications:

- **Volume:** 50 Liters

- **Power:** 2600W
- **Voltage:** AC 220V, 50/60 Hz
- **Design Pressure Gauge Range:** -0.1MPa to 0.5MPa
- **Sterilization Temperature Range:** 105°C to 135°C
- **Sterilization Time Setting Range:** 1 to 300 minutes
- **Chamber Material:** SUS304 Stainless Steel
- **Exhaust Temperature Range:**
 - 105°C to 130°C (Solid mode)
- **Safety Valve Set Pressure:** 0.29MPa
- **Drying Temperature:** 80°C to 160°C
- **Drying Time:** 1 to 300 minutes
- **Sterilization Modes:** Solid Mode, Liquid Mode
- **Controller:** Microcomputer control system

Safety Devices:

- **Lid Closing Check**
- **Over-Temperature Protection**
- **Dry Scorch Protection**
- **Over-Pressure Protection**
- **Safety Valve**
- **Electrical Protection** (overcurrent, short circuit, electric leakage)
- **Scald Protection**
- **Automatic Failure-Inspection System**

Dimensions:

- **Chamber Dimensions:** Ø 320 mm x H 725 mm

- **Bucket Dimensions:** Ø 258 mm x H 195 mm
- **Outer Dimensions:** 580 mm x 490 mm x 1085 mm

Product Features:

- **User-Friendly Control:** Features a simple control panel with an LED display for easy setting of sterilization temperature, time, and drying functions.
- **Microcomputer System:** Allows for fully automatic control of the sterilization process.
- **Automatic Drying:** Equipped with semi-automatic drying options and an air pump with a 0.2µm air filter, improving the drying efficiency after sterilization.
- **Error Logging:** Can store up to 20 error records, facilitating easy maintenance and system management.

Safety Features:

- **Lid Lock System:** Prevents operation if the lid is not securely locked.
- **Anti-Scald Design:** Protects users from accidental burns.
- **Triple Dry Scorch Protection:** Offers protection against overheating using three different methods.
- **Double Over-Pressure Protection:** Both mechanical and electrical pressure systems monitor and prevent over-pressure, ensuring safe operation.
- **Auto Troubleshooting:** Automatically detects and addresses system errors.
- **Real-Time Monitoring:** Continuously monitors the pressure, temperature, and lid locking for safety.

- **Electrical Protection:** Advanced system safeguards against overcurrent, short circuits, and electric leakage.

Applications:

This autoclave is designed for **medical and laboratory settings** where efficient, safe, and reliable sterilization is critical. It is well-suited for sterilizing **solid** and **liquid** items, ensuring thorough sterilization with minimal user intervention, thanks to its automated features and comprehensive safety mechanisms.