

# Vertical Automatic High-pressure Steam Sterilizer — HRLM-80

**Automatic Exhaust Pressure Relief,  
Seven Safety Protection Segments**

## Scope of Application:

*This product is an upright automatic rapid sterilization equipment that uses high temperature saturated steam as the sterilization medium. Applicable to testing laboratories, laboratories, operating rooms, supply rooms, higher education, animal husbandry, disease control centers and other medical and biomedical research units, achieves rapid sterilization of instruments, dressings, rubber, liquids, glassware, bacteria and cell culture medium, wastes, etc.*



HRLM-80

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## Product Advantages



HRLM-80



### Automatic Program Control

Water injection, heating, exhaust, sterilization, pressure relief, drainage, drying, automatic control of the whole process, no manual operation, one-click completion.



### Automatic Drying Function(Auxiliary Drying)

The drying time can be set after the sterilization is completed.



### Multiple Exhaust Methods

A variety of exhaust methods such as regular temperature setting exhaust, dynamic exhaust and full-process air escape, completely eliminates the cold air in the sterilizer and improves steam saturation, ensuring effective sterilization.



### One-click Start of Stored Procedures

Equipped with quick programs for instruments, dressings, rubber and liquids, one-button start for easy operation.



### Two Pressure Relief Methods

Two pressure relief methods are available: fast pressure relief and slow pressure relief. The slow pressure relief method for liquid sterilization can prevent liquid overflow caused by rapid buildup of pressure.



### Warm-up Control and Timing Start

The preheating control function supports the sterilizer heating process, which shortens the heating time of the sterilizer and improves the efficiency of the experiment; equipped with timing start function and can start the sterilization program according to the predetermined time and arrange the experiment time accordingly.

## Safety Mechanisms

### Automatic overpressure pressure relief:

When the set pressure is exceeded, the safety valve opens automatically to release the pressure.

### Automatic over-temperature protection:

When the set temperature is exceeded, the system cuts off the power supply and alarms automatically generated.

### Anti-drying protection:

When the water level is too low, the power will automatically cut off, the operation is stopped, and an alarm is automatically generated.

### Door safety protection:

Real-time detection of door status, sterilization procedures cannot be started if the door is not tightly closed and there is a reminder to open the door; the sterilization can only start when the door is normally closed. However, when there is pressure in the sterilizer, the sealing door cannot be opened to prevent damage caused by steam leakage.

### Sensor disconnection detection:

Monitors the status of the sensor in real time to ensure that the sensor is working properly to prevent excessive temperature caused by abnormal sensors.

### Full protection thermal insulated door cover:

The door cover is made of high-performance thermal insulation material which completely covers the metal door, which prevents the operator from being burned.

### Standard over-current, over-voltage protection and leakage protection.

## Specifications

Model	Volume (L)	Weight (Kg)	Power Supply (V/Hz)	Power (W)	Exterior Dimension (W*D*H mm)	Interior Dimension (mm)	Maximum Pressure (Mpa)	Maximum Temperature (°C)	Rated Working Pressure (Mpa)	Pressure Display Range (Mpa)
HRLM-80	80	85	220/50	3200	546*750*1065	φ 386*700	0.28	150	0.22	0-0.4
Sterilization Temperature Range	Temperature Control Precision	Dynamic Pulse Exhaust Times	Dynamic Pulse Exhaust Temperature	Solution Temperature	Holding Temperature	Sterilization Time Range	Cabinet and Door Material	Accessories		
105-136°C	0.1°C	0-9 (Settable)	110-136°C	40-100°C (Settable)	40-100°C (Settable)	0-999 mins	SUS304 Stainless Steel	2 Stainless Steel Sterilized Baskets	Optional Printer	