

Vertical Autoclave



HRLM-80

Scope of Application:

A top-loading autoclave for automatic, rapid steam sterilization, utilizing high temperature saturated steam; suitable for a wide range of applications used within laboratories, operating rooms, disease control centers and other biomedical/medical research areas. Applications include instrument and glassware sterilization, media preparation, biohazard and waste sterilization.

Innovative Design

- One-click Start of Stored Procedures
- Two Pressure Relief Methods
- Multiple Exhaust Methods
- Automatic Drying Function (Auxiliary Drying)
- Warm-up Control and Timing Start
- Automatic Program Control

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Product Advantages



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, it can start the sterilization program according to the predetermined time and run the experiment time accordingly.



Automatic Drying Function (Auxiliary Drying)

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



Automatic Program Control

One-click, automatic program control – users can control the whole process (water injection, heating, exhaust, sterilization, pressure relief, drainage, drying) with just one click.



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.

Safety Mechanisms



Automatic overpressure pressure relief

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



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.



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.



Full protection thermal insulated door cover

The door cover is made of high-performance thermal insulation material, making the door cool to touch.



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



Automatic over-temperature protection

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



Door safety protection

Real-time detection of door status. The 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 properly closed. However, when there is pressure in the sterilizer, the sealing door cannot be opened to prevent damage caused by steam leakage.

Specifications

Model	Volume (L)	Net Weight (Kg)	Power Supply (V/Hz)	Power (W)	Exterior Dimension (W*D*H mm)	Interior Dimension (mm)	Design Pressure (Mpa)	Design Temperature (°C)	Rated Working Pressure (Mpa)	Pressure Display Range (Mpa)
HRLM-80	80	105	220-240-50/60	4200	546*750*1085	φ 386*695	0.28	150	0.22	-0.1-0.3

Sterilization Temperature Range	Temperature Control Precision	Dynamic Pulse Exhaust Times	Dynamic Pulse Exhaust Temperature	Dissolution Temperature	Heat Preservation Temperature	Sterilization Time Range	Cabinet and Door Material	Accessories	
105-136°C	±0.1°C	0-99 (Settable)	110-136°C	40-100°C (Settable)	40-100°C (Settable)	1-999 mins	SUS304 Stainless Steel	2 Stainless Steel Sterilized Baskets	Optional Printer

Product appearance and specifications are subject to change without notice