Haier Biomedical
Intelligent Protection of Life Science

Horizontal Bench-Top Autoclave

HRTM-45

Multiple safety protections

Intelligent and convenient operation

Efficient and rapid sterilization

Scope of Application

It's suitable for sterilizing exposed medical devices, conventional metal and glass packs, surgical gowns, dressing packs, cotton cloth, masks, etc. It's used by medical, health and scientific research units for sterilizing medical devices and materials that may contact blood or body fluids in places like stomatology, ophthalmology, operating rooms, beauty institutions, pet hospitals, tattoo stores and community service stations.

Innovative Design

◎ High security ensured by extensive safety devices.

◎ User-friendly interface design, with a standard 7-inch touch screen for convenient interaction.

◎ Using a new type of steam generator to improve the saturation of saturated steam and make sterilization more thorough.

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Product Advantages

Triple protection of temperature, pressure monitoring electronic lock, and mechanical safety device; automatically release pressure when overpressure and over-temperature

The innovative vacuum forced cooling system and negative pressure blower drying system rapidly complete sterilization, greatly shortening the sterilization time and improve the drying effect

Optional-Intelligent IoT

Eight Safety Protection
Over-temperature, over-pressure, leakage, over-current, anti-dry burning, door lock safety, sensor disconnection, door status protection

Touchscreen with intuitive user interface for simple operation like your smartphone - even with medical gloves

It occupies little space, is easy to install and can sterilize in a narrow space. The design is novel and won the German Industrial Design Award
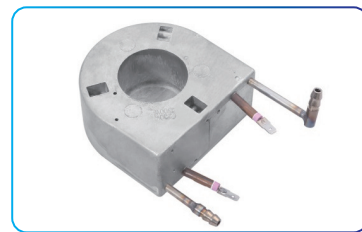
Ergonomic Design

7-inch intelligent touch LCD screen

The status of each component on the touch screen is intuitively displayed, easy to understand and convenient to operate
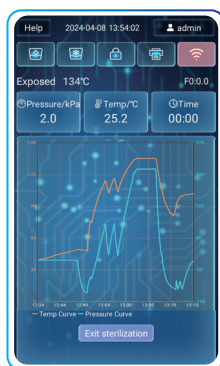
Adopting a new type of steam generator to improve the efficiency of saturated steam

Adopting a highly efficient steam generator with high heat exchange efficiency and large gas production to meet the requirements of the sterilizer for rapid temperature rise and rapid sterilization.
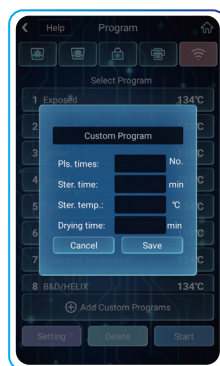

Automatically Detect the Water Quality

When the water quality is unqualified, the sign of the clean water tank automatically turns yellow to timely remind to replace the pure water

Temperature-Pressure Curve

The temperature-pressure curve is displayed in real-time during the sterilization process, making the entire process clear at a glance
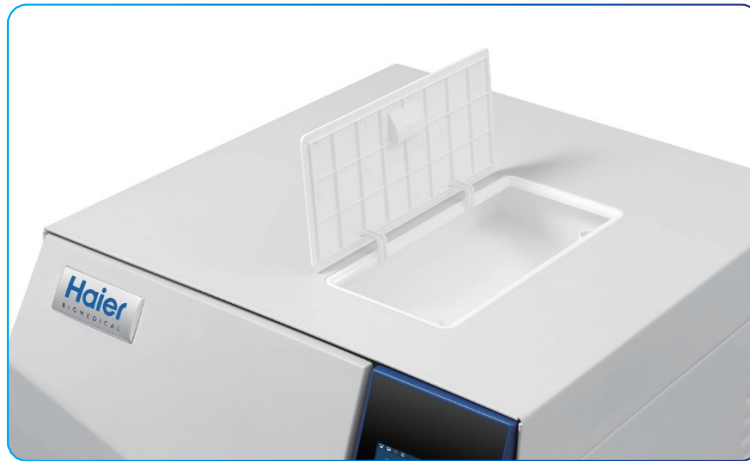
Programmable Mode of the Program
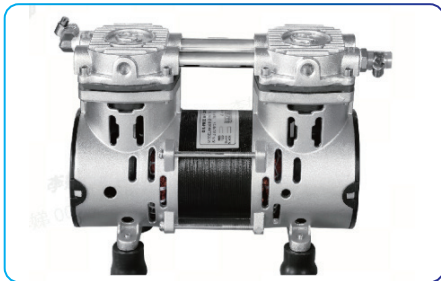
The program can be customarily added

Customizable Parameters of the Program

Storage tank

- Open storage tank, easy to clean.

- High water level display, low water level alarm, and when the low water level alarm is triggered, it can meet one sterilization cycle.

- Direct discharge design, the sterilization water does not circulate to ensure the cleanliness of the load.

High-efficiency vacuum pump

Greatly shorten the sterilization cycle and improve the sterilization and drying effects.

New sterilization chamber structure

The sterilization chamber is integrally stretched and formed, without dead corners, easy to clean, and ensures a sterile environment.

Specifications

Model			HRTM-45
Technica Data & Dimensions	Display		7-inch Touchscreen
	Chamber Volume (L)	Capacity (L/Cu.Ft)	45/1.6
	Internal Dimensions (w*d*h)	mm	Φ316*615
		in	Φ24.2*47.2
	External Dimensions (w*d*h)	mm	640*840*575
		in	25.2*33.1*22.6
	Packing Dimensions (w*d*h) (With Packaging Bottom Support)	mm	720*965*730
		in	28.3*38*28.7
	Net/Gross Weight (approx)	kg	120/140
		lbs	264.6/308.6
	Container Load (20'/40'/40'H)		54/72/108
	Inner Material		304 stainless steel (option:316 stainless steel)
	The Main Body Material		Coated cold rolled steel
Electrical Data	Power (KW)		4.8KW
	Power Supply(V/Hz)		220-240V~50/60Hz
	Electrical Current (A)		22A
Performance	The sterilization temperature range (°C)		115-134℃
	Temperature fluctuations (°C)		0~3℃
	Temperature uniformity (°C)		<2℃
	Design Temperature (°C)		150℃
	Design Pressure (Mpa)		0.3
	Rated Working Pressure (Mpa)		0.22Mpa
	Dynamic Pulse Exhaust Times		1-9 (settable)
	Sterilization Time (min)		1-999min
	Noise (dB(A))		≤65
	Temperature Sensor		PT100
	Ambient Range (°C)		5-40℃
	Humidity Reservoir (L)		8.5
Accessories	Shelves Dimensions (w*d)(mm)		500*215
	Shelves Number Standard/Maximum		3/5
	USB		Y
	Printer		Standard
Others	CE		Y
	PED		Optional

*Haier Biomedical reserves the right to change products and specifications without prior notice.