



HRTM-18/23



Multiple safety
protections



Intelligent and
convenient operation



Efficient and
rapid sterilization

Horizontal Bench-top Autoclaves

Scope of Application

As a type of high pressure sterilizer, it takes steam as its sterilization medium which is fast, safe and economic. They are common used in scientific institutions or R&D institution to make the sterilization for wrapped or unwrapped instrument, fabric, utensils, culture medium, unsealed liquid, etc.

Innovative Design

- High security ensured by extensive safety devices.
- 4 Inch touch-button TFT screen, intuitive and easy to operate.
- Adopting a new type of steam generator, high-efficiency heat exchange provides saturated steam for rapid and efficient sterilization

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The products have obtained the following registrations and certifications:

1. EU Electrical Equipment Safety Directive (CE-LVD)
2. EU Pressure Equipment Directive (CE-PED)
3. EU Electromagnetic Compatibility Directive (CE-EMC)
4. EU Medical Device Quality Management System (EN ISO 13485)
5. People's Republic of China medical device registration (NMPA)
6. People's Republic of China special equipment license (TS)
7. People's Republic of China sterilization products health and safety record

Note: In view of the regulatory requirements for pressurized containers and medical devices in various countries and regions and organizations, depending on the bidding or purchasing requirements, this equipment is recognized as having acquired the above standards before being put into local use.

Product Advantages



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



Eight Safety Protection

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



Superior drying performance:

Adopting negative-pressure air-blowing and controlled forced-vacuum drying technology, eliminating wet packages and delivers thorough drying of items



The status of each component on the touch screen is intuitively displayed, and the program process is monitored and displayed in real time for clear visibility

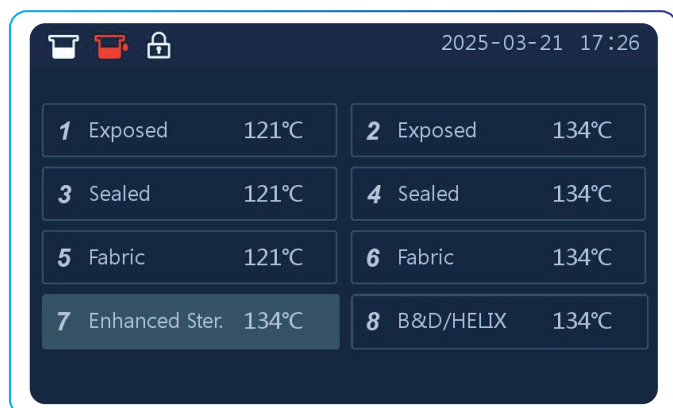


Optional-Intelligent IoT



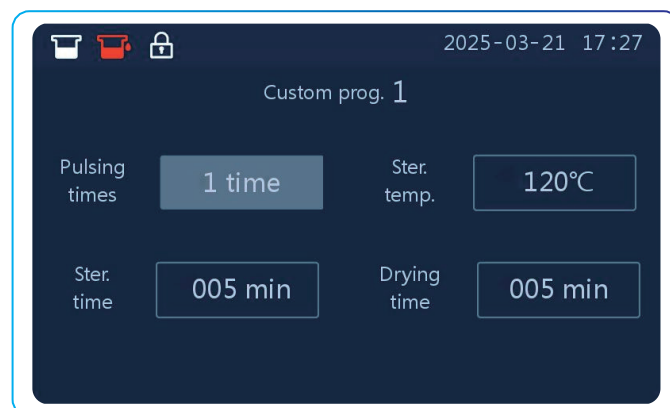
It occupies little space, is easy to install and can sterilize in a narrow space. The design is novel and won the German Industrial Design Award

Ergonomic Design



10 Preset Programs

Exposed (121°C /134°C), Sealed (121°C /134°C), Fabric (121°C /134°C), Enhanced (134°C), B&D/HELIX, Vacuum test, Pipeline self-cleaning, Liquid (121°C, optional)

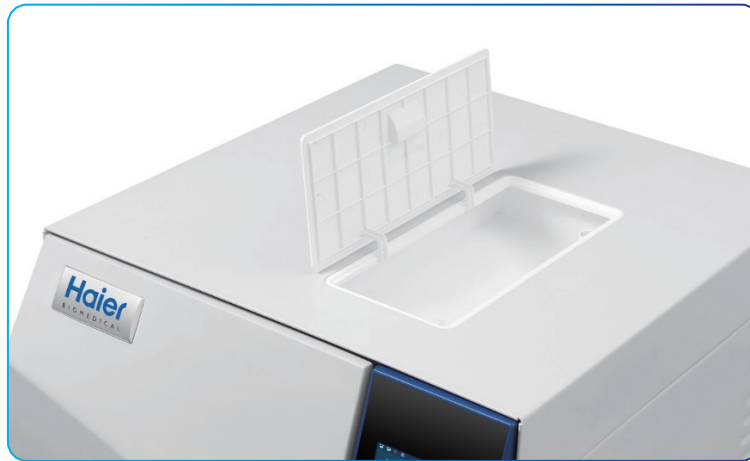


Up to 10 custom programs may be added

Adopting a new type of steam generator to improve the efficiency of saturated steam

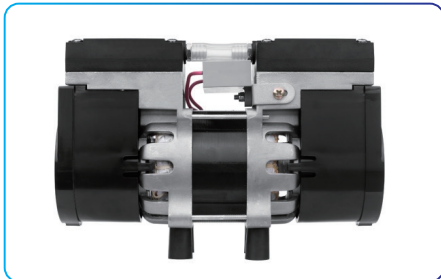
Adopting a highly efficient steam generator with high heat exchange efficiency and large gas production to meet the requirements of the sterilizer for rapid temperature rise and rapid sterilization.





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-18	HRTM-23
Technical Data & Dimensions	Display		4 inch TFT screen	4 inch TFT screen
	Chamber Volume (L)	Capacity (L/Cu.Ft)	18/0.6	23/0.8
	Internal Dimensions (w*d*h)	mm	Φ247*350	Φ247*450
		in	Φ9.7*13.8	Φ9.7*17.7
	External Dimensions (w*d*h)	mm	490*600*455	490*690*455
		in	19.3*23.6*7.9	19.3*27.2*17.9
	Packing Dimensions (w*d*h) (With Packaging Bottom Support)	mm	590*680*620	590*760*620
		in	23.2*26.8*24.4	23.2*29.9*24.4
	Net/Gross Weight (approx)	kg	47/56	53/64
		lbs	103.6/123.5	116.8/141.1
Electrical Data	Container Load (20'/40'/40'H)		72/153/204	63/126/168
	Inner Material		304 stainless steel (option:316 stainless steel)	304 stainless steel (option:316 stainless steel)
	The Main Body Material		Coated cold rolled steel	Coated cold rolled steel
Performance	Power (W)		2800	3200
	Power Supply(V/Hz)		220-240-50/60	220-240-50/60
	Electrical Current (A)		13.0	14.5
	The sterilization temperature range (°C)		105-138	105-138
	Temperature fluctuations (°C)		0-3	0-3
	Temperature uniformity (°C)		<2	<2
	Design Temperature (°C)		150	150
	Design Pressure (Mpa)		0.3	0.3
	Rated Working Pressure (Mpa)		0.22	0.22
	Dynamic Pulse Exhaust Times		1-9 (settable)	1-9 (settable)
	Sterilization Time (min)		1-999	1-999
	Noise (dB(A))		≤65	≤65
Accessories	Temperature Sensor		PT100	PT100
	Ambient Range (°C)		5-40	5-40
	Humidity Reservoir (L)		2.6	2.6
	Shelves Dimensions (w*d)(mm)		281*183	376*183
Others	Shelves Number Standard/Maximum		3/5	3/5
	USB		Y	Y
	Printer		Optional	Optional
Others	CE		Y	Y
	PED		Optional	Optional
	Type		Class B	Class B

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