Haier Biomedical
Intelligent Protection of Life Science

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Horizontal Bench-top Autoclaves

HRTM-18/23

Multiple safety protections

Intelligent and convenient operation

Efficient and rapid sterilization

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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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

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

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
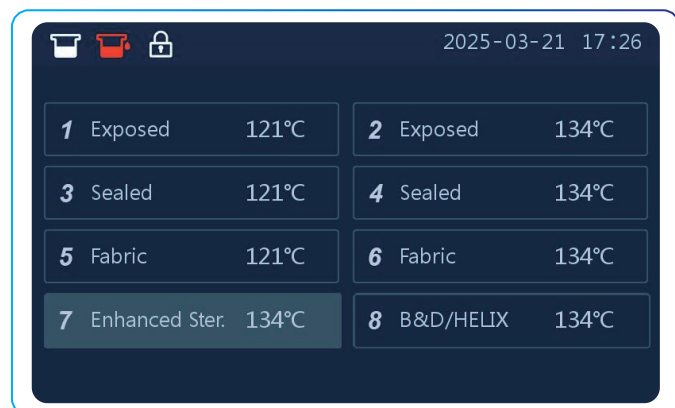
Optional-Intelligent IoT

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
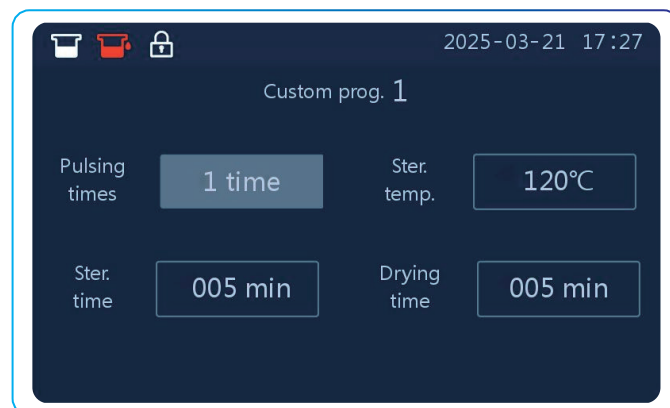
Ergonomic Design

Program programmable mode

Can be infinitely added to meet different needs.

1 Exposed	121℃	2 Exposed	134℃
3 Sealed	121℃	4 Sealed	134℃
5 Fabric	121℃	6 Fabric	134℃
7 Enhanced Ster.	134℃	8 B&D/HELIX	134℃

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Custom addition of programs

Custom prog. 1

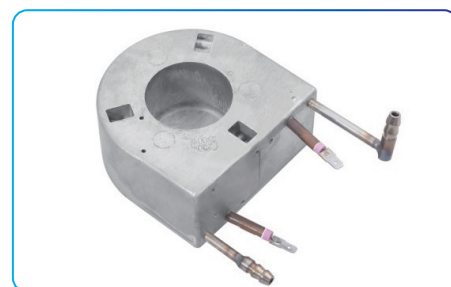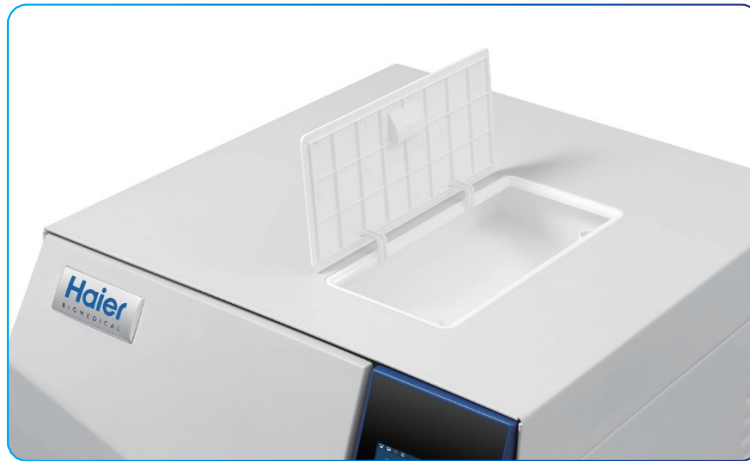| Pulsing times	1 time	Ster. temp.	120℃
Ster. time	005 min	Drying time	005 min

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Program custom parameters

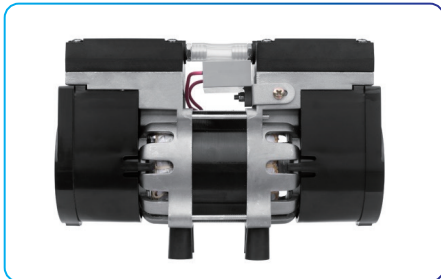### Adopting a new type of steam generator to improve the efficiency of saturated steam

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
Technica 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
	Internal Dimensions (w*d*h) in	Φ9.7*13.8	Φ9.7*17.7
	External Dimensions (w*d*h) mm	490*600*455	490*690*455
	External Dimensions (w*d*h) 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
	Packing Dimensions (w*d*h) (With Packaging Bottom Support) in	23.2*26.8*24.4	23.2*29.9*24.4
	Net/Gross Weight (approx) kg	47/56	53/64
	Net/Gross Weight (approx) lbs	103.6/123.5	116.8/141.1
	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
Electrical Data	Power (W)	2800	3200
	Power Supply(V/Hz)	220-240~50/60	220-240~50/60
	Electrical Current (A)	13.0	14.5
Performance	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
	Temperature Sensor	PT100	PT100
	Ambient Range (°C)	5-40	5-40
	Humidity Reservoir (L)	2.6	2.6
Accessories	Shelves Dimensions (w*d)(mm)	281*183	376*183
	Shelves Number Standard/Maximum	3/5	3/5
	USB	Y	Y
	Printer	Optional	Optional
Others	CE	Y	Y
	PED	Optional	Optional

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