

Constant Climate Chamber



HHS-756

Haier Biomedical Constant Climate Chamber ensures accurate temperature and humidity adjustment and control; equipped with real environment simulation function, with superior and reliable performance.

• **Energy-Savings and Reducing Costs:**

Semi-conductor technology, power consumption is 5 kwh per day, saving power consumption up to 90% compared with a compressor unit.

• **Water Savings:**

Adopting intelligent PTC heating technique, water preheating and atomized humidifying, water consumption is only 120ml-320ml per day, no need for wastewater reclamation.

• **Low Noise:**

Adopts semi-conductor control, low noise, low vibration, and no pollutants.

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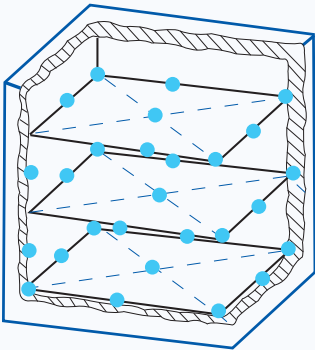
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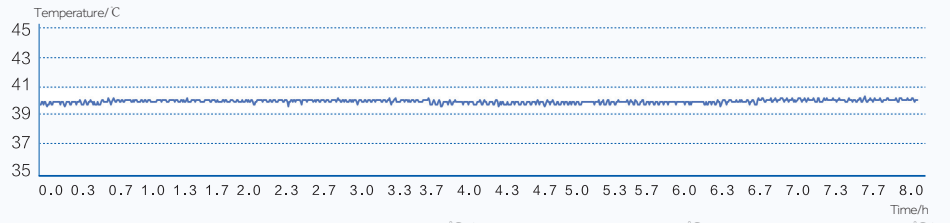
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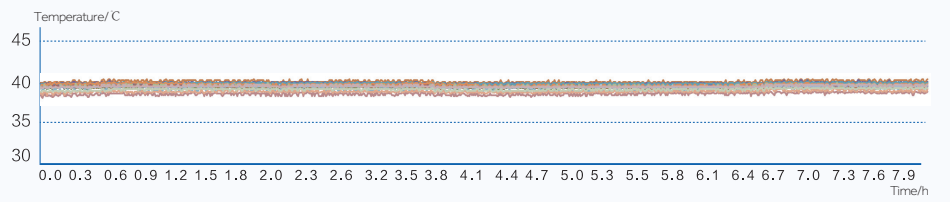
Accurate Temperature Control



DIN12880 standard 27 test points

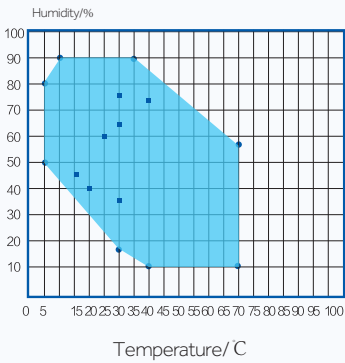


Central point temperature fluctuation within $\pm 0.2^\circ\text{C}$ (ambient temperature: 22°C , setting temperature: 40°C)

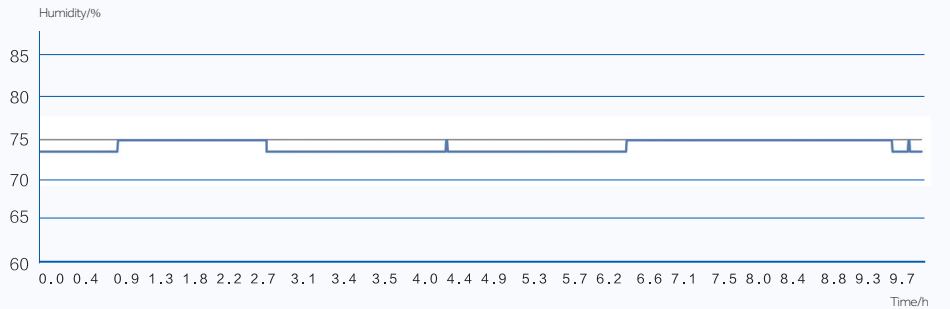


27 test points temperature uniformity is $\pm 0.5^\circ\text{C}$ (ambient temperature: 22°C , setting temperature: 40°C)

Accurate Humidity Control



ICH standard test points

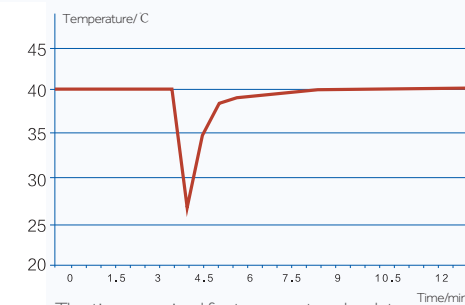


Humidity fluctuation $\pm 1\%$: Accurate temperature control (ambient temperature: 22°C , ambient humidity: 22.3%, setting temperature: 40°C , setting humidity: 75%)

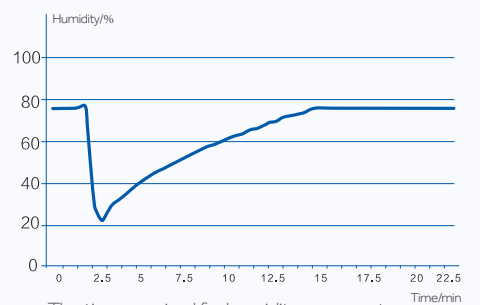
Internal Cabinet Environment Quick Recovery System



Professional air duct design, ensuring temperature and humidity uniformity



The time required for temperature back to 40°C after opening door for 30s < 4 min



The time required for humidity recovery to 75% after opening door for 30s < 14 min

Intelligent Management



Touch Screen Keeps Accurate Operation, Improves Working Efficiency.



- 10-inch LCD touch screen, convenient to use, PID control algorithm ensures the accuracy of temperature control.
- Multiple users management system, inaccessible to the system without permission, authority management, conforming to American FDA PART 11 certificated criteria.
- Programmable mode, supporting infinite settings.
For the convenience of temperature and humidity setting during the experiment process, the product supports infinite fields mode to satisfy various experimental requirements.

Reliable High-Quality Parts



Capacitive humidity sensor, long-term operating reliability

- Interference-free humidity data collection.
- Long-term reliability without the need for calibration.
- High precision, reaching $\pm 0.1\%$.
- Anti-condensation design, more accurate humidity.



High precision temperature sensor, accurate and reliable

- Adopting PT1000 temperature sensor.
- Dual sensors design making temperature control more accurate.
- No deviation, assuring the accuracy of experimental results.



Semi-conductor cooling, superior energy-saving and mute effect

- Semiconductor thermocouple consists of N-shape semiconductor and P-shape semiconductor.

Intelligent Control, Ensures Temperature and Humidity Accuracy



Intelligent control PTC humidification, energy-saving and water-saving

Intelligent water supply system and ceramic high temperature heating apparatus, with constant system equipped, ensuring the temperature and purity of vapor entering inside the cabinet.



Intelligent dehumidification, accurate humidity control

Semi-conductor intelligent dehumidification system accurately controls heating and cooling, matching with humidity control.

Ergonomic Design



Professional porthole satisfying experimental requirements

The left side of the cabinet is equipped with a 35mm diameter porthole, easy to observe inside experiment status and record experiment process.



• Porthole

Ergonomic Design



Standard individuation interface

RS232 interface, remote alarm, 485 network, 4-20mA interface, LAN interface satisfying single or multiple equipment monitoring and networking requirements.



RS232 Interface



LAN Interface

Specifications

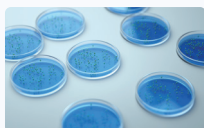
Model	Voltage (V)	Frequency (Hz)	Temperature Setting Range(C)	Humidity Setting Range (rh%)	Volume (L)
HHS-756	220	50	5 ~ 70	10 ~ 90	756
HHS-506	220	50	5 ~ 70	10 ~ 90	506
HHS-256	220	50	5 ~ 70	10 ~ 90	256

Model	Exterior Dimension (W*H*D) mm	Interior Dimension (W*H*D) mm	Stainless Steel Rack (Standard)	Maximum Load Per Shelf (kg)
HHS-756	1283*1632*937	1100*1200*570	2	20
HHS-506	923*1685*900	740*1200*570	2	20
HHS-256	833*1185*900	650*700*570	2	20

Application Fields



Microorganism



Plant and Animal Cultures



Drug Stability Test



Food Expiry Date Test



Electronic Components Aging Test



Expandable High-Capacity Data Storage

Touch screen can be added with 64GB storage, capable of storing 15 years' data and exporting data through USB.



Superior Insulation Performance, Stable Inside Temperature

PU foaming cabinet material brings better insulation performance and less energy consumption.



Multiple Protection, Safer Experiment Experience

Equipped with module cooling apparatus, delay start, multiple protections such as g high/low temperature and illumination intensity protection, conforming to 3.3 class temperature protection required by DIN 12880.