

	<p style="text-align: center;">Xi'- An LIB environmental simulation industry</p> <p style="text-align: center;">  </p> <p style="text-align: center;"><i>South America distributor:</i></p> <p style="text-align: center;"> <i>www.GtemCell.com</i> <small>ITALIA</small> </p>
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Ultra Temperature Chests

Model	UT-100	UT-225	UT-500	UT-800	UT-1000
Workroom dimensions (cm)	45*45*50	50*60*75	70*80*90	80*100*100	100*100*100
Exterior dimensions (cm)	110*83*160	125*93*180	145*110*200	145*140*210	165*148*210
Turnplate diameter	φ300mm	φ400mm	φ600mm	φ700mm	φ900mm
Temperature range	RT+10°C~200°C, 300°C				
Uniformity	± 2°C				
Constant temperature fluctuation	± 0.5°C				
Ventilation time	1min~99h adjustable				
Ventilation volume	2~100 times/h				

Structure characteristics

1. Equipment structure takes up stainless steel plate plus (41090) power for hull painting. It not only has good profile, but also has fine corrosion resistance.
2. It utilizes imported closed-type compressor unit imported from Europe and USA, which has solid and durable structure and is enduring and can greatly enhance service property and life of the equipment; it takes up advanced energy-saving design, which can save electric power by 30%, save water by 20%, and it uses HFC refrigerant that will not harm human body and nature, you can conduct test in safe way;
3. It has advanced and innovative control theory, it integrates three control systems of PLC, HMI and SOC in fine way. Control is correct by 100%, and you can experience the novel control feeling;
4. It utilizes ETAc820 touch-control colored screen as operating interface of TEMI and most powerful and reliable PLC and special modules in the industry circle. 50 programs and 2500 steps are provided for user to make setting/storage and running;

5. It utilizes protection module for safe voltage, the withstand voltage can reach 500V. After energizing the equipment, the equipment will not be burned and it can protect the equipment by 100%.
6. It takes up high-sense FastAIT monitoring and refrigerating system imported and achieves effective control and management for refrigerant volume;
7. It has automatic safety protection switch, which has high sensitivity, can detect any state, cut off protection and give alarm in shortest time and assure safety of the personnel and equipment;
8. It can separately raise temperature, reduce temperature, humidify and dehumidify, it utilizes unique BTHC flat constant temperature and humidity regulating mode;
9. It has air supply and circulating system, which can avoid dead angle of air flow in the chamber and improve the uniformity degree of product temperature and humidity.

Control system:

TEMI880 touch-type temperature programmable controller

Operating interface: LED display

Temperature and humidity controller: touch-type LED controller

Setting mode: touching type

Running mode: setting-up running and programmed running

Program: 100 groups in 1000 sections

Resolution: temperature: ± 0.1 °C;

Input: platinum thermal resistance

Control mode: PID control

Communication function: LAN network interface

Additional function: alarm and display function, power-off protection function, upper limit temperature alarm function, timing function (auto startup and auto stop), self-diagnosis function, curve record and display function, paperless record, USB data export, tele-monitoring and so on.

It can execute 100 STEP X 10 PATTEM mode.

Each section can be grouped and executed in crossing way.

The execution time for each section can be set up between 0-999H plus 59min.

For setting up for each group, it can circulate within 1-999 in part or entirely for option.

In execution, it can select group circle picture or section execution picture and can know the remaining time for execution.

It has power-off function. After power recovery, it can complete the remained test.

It can select single-section control or multi-section programmable control.

The screen has backlight time control function and it can adjust the backlight brightness.

For executing single-section control, it can change the execution value at will. The memory-type multi-function control has automatic control output functions, such as heating heater and

humidifying heater for electromechanical solenoid valve for different groups of refrigerating compressors and so on.

Safety device

Independent over-temperature protection, water shortage protection, over-current protection, refrigerant high-pressure protection switch, over-current circuit breaker, earth leakage protection and so on.

·Operation ambient temperature: +5~ + 30°C

·Power supply : AC220±10%V 50±0.5Hz single-phase double-wire + protective grounding wire/
AC380±10%V 50±0.5Hz three-phase four-wire+ protective grounding wire

Accessory

1 cable hole (Φ 50) cover, 2 sets of shelf, 2 protector tubes, 1 overflow water tube, 1 copy of operating specification

·Optional accessory:

recorder, tele-monitoring software

Note:

1. The products above can be customized according to demands of the clients;
2. The technical parameters above are the data obtained under room temperature of 20°C and non-load condition.

Implementation and meet the standards

- 1.GB/T10589-1989 temperature test chambers;
- 2.GB/T10592-1989 high-temperature test chambers;
- 3.GJB/150.3-1986 :high temperature test
- 4.GJB/150.4-1986 : temperature test

