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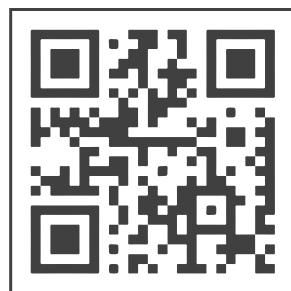
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The STIK Group has a cutting-edge professional R&D team and currently possesses the most advanced product technology in the world. It has developed a new generation of high-precision laboratory instruments and environmental equipment, providing more precise, cost-effective, and durable cutting-edge scientific instruments and environmental equipment to countries worldwide.

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บริษัท ไบโอ พลัส เมดิคอล จำกัด

51/769 หมู่บ้านพฤษภา 17 หมู่ 9 ตำบล ลาดสวาย
อำเภอ ลำลูกกา จังหวัดปทุมธานี 12150
โทรศัพท์ 089-920-1509
โทรสาร 02-152-0869



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THE TEMPERATURE CONTROL COMPANY

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Leading supplier of
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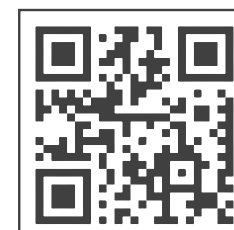


STIK Product Introduction



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Automatic sterilizer HMJ series

Autoclave



- The maximum sterilization temperature can be set to 138°C
- The PT1000 sensor is used, providing more precise temperature control with a display accuracy of 0.1°C.
- Equipped with a water level sensor and unique software-controlled dry burn prevention technology, offering multiple protection mechanisms to prevent dry burning.
- An optional 5-level password function is available, suitable for data traceability in pharmaceutical factories, complying with GMP and FDA certification requirements, and capable of printing the F0 value.
- A pressure gauge with a negative pressure setting up to 0.5 is available for configuration, along with overcurrent and short circuit protection systems.
- Standard features include optimized dry burn prevention, overtemperature protection system, overpressure protection, and a safety valve.
- The heating function stops when the lid is opened.
- Multiple sterilization programs can be saved, with the ability to expand storage to 60 programs and to program various modes of sterilization procedures.
- Sound alert function
- During the entire sterilization process, the exhaust valve automatically releases cold air and saturated steam according to temperature changes, with no manual operation required.
- Freertos embedded operating system
- Standard USB drive for real-time data recording
- Feature automatic detection and verification of the temperature and pressure relationship, ensuring true saturated steam conditions are reached.
- Automatically detect the discharge of cold air to ensure the internal discharge function of steam
- The boiling point temperature can be adjusted based on altitude.
- The exhaust temperature can be adjusted within the range of boiling point temperature plus 0-25°C.
- Dual temperature sensors can detect both air and water temperatures.
- The lid has one item sensor hole and two reserved verification holes on the tank body for easy connection verification.
- Self-sensing pressure interlock device, lid closing inspection system, and leakage protection device.

Capacity (L) model	Diameter 370 standard type	Diameter 450 standard type	Automatic water replenishment type	Drying type	Biological safety type	Pharmaceutical packaging material specific
54L	HMJ-54A					YMJ-54A
78L	HMJ-78A					YMJ-78A
65L		HMJ-654	HM.I-65M	HM.I-650	HMJ-65S	
85L		HMJ-85A	HMJ -85W	HMJ-85D	HMJ-85S	
100L		HMJ-100A	HMI-100M	HMJ-100D	HMJ-100S	
120L		HMJ-120A	HMJ-120W	HMJ-120D	HMJ-120S	
Inner chamber electro-polishing	Yes	Yes	Yes	Yes	Yes	Yes
Inner chamber material thickness	304,3mm	304,3mm	304,3mm	304,3mm	304,3mm	304,3mm
Display accuracy	0.1	0.1	0.1	0.1	0.1	0.1
Maximum sterilization temperature setting	138	138	138	138	138	138
Gas collection tube	Side-mounted	Side-mounted	Built-in	Built-in	Built-in	Side-mounted
Sterilization range (°C)	105~138					
Dissolution temperature (°C)	50~100					
Insulation temperature (°C)	40~60					
Set time	Sterilization, melting: 0-9999 minutes; Insulation time: 1-99 hours; Scheduled sterilization time: 0-99 hours.					
Pressure display range	-0.1~0.5mpa					
Exhaust method	Full exhaust, micro exhaust, no exhaust, intelligent multi-stage exhaust					
Safety device	Pressure safety valve, dry burn prevention, door lock safety interlock device, chamber lid closure detection system, overpressure detection, overtemperature detection, leakage and short circuit detection.					
Automatic water replenishment	None	None	Yes	Yes	None	None
Drying	None	None	None	Yes	None	None
Internal exhaust function	None	None	None	None	Yes	None
Filter	None	None	None	None	Yes	None
Cooling fan	Horizontal exhaust	Vertical exhaust	Vertical exhaust	Vertical exhaust	Horizontal/vertical exhaust	Horizontal exhaust
Water level sensor	None	None	Yes	Yes	Yes	None
Pressure sensor	Yes	Yes	Yes	Yes	Yes	Yes
USB	Yes	Yes	Yes	Yes	Yes	Yes
Online sterilization	None	None	None	None	Yes	None
Pharmaceutical packaging material system	None	None	None	None	None	Yes
Lid opening method	One-touch lift-up lid					
Working temperature	5~45°C					

Volume (litres)	54	78	65	85	100	120
Rated power	2800W	3500W	3500W	4800W	4800W	4800W
Sterilization chamber size (diameter*height)	φ370*508	φ370*730	φ450*465	φ450*605	φ450*710	φ450*845
Basket size (W*D*H) mm	φ340*190*2	Φ340*230 Φ340*350	φ430*190*2	φ430*230*2	φ430*230 φ430*350	φ430*350*2
Weight	79kg	120kg	110kg	145kg	180kg	216kg
External dimensions (W*D*H) mm	612*520*840	612*520*1070	815*660*985	815*660*1125	815*660*1230	815*660*1365
Working power supply	220V±10%,16A,50HZ/60HZ			220V±10%,32A,50HZ/60HZ		

Hand-turned high-pressure steam sterilizer PMJ series

Autoclave



- The maximum sterilization temperature can be set to 138°C
- The PT1000 sensor is used, providing more precise temperature control with a display accuracy of 0.1°C.
- Standard double-electrode water level sensor for real-time water level monitoring.
- Equipped with a 5-level password setting function (optional), suitable for data traceability in pharmaceutical factories, compliant with GMP and FDA certification requirements, and capable of printing the F0 value.
- SMS alarm (optional)
- Equipped with a pressure gauge with negative pressure configuration, displaying up to 0.5, along with overcurrent and short circuit protection systems.
- Standard features include optimized dry burn prevention, overtemperature protection system, overpressure protection, and safety valve.
- The heating function stops when the lid is opened.
- Real-time data storage function, memory storage of 20 programs, programmable for various modes of sterilization procedures
- After the sterilization process is completed, the exhaust valve can release steam at the set ten-level exhaust speed. During the exhaust process, the exhaust speed can be manually adjusted at any time.
- Freertos embedded operating system
- Standard USB drive for real-time data recording
- Automatic fault detection, alarm, and recording functions (printer optional), with burn injury safety protection.
- Feature automatic detection and verification of the temperature and pressure relationship, ensuring true saturated steam conditions are reached.
- Automatically detect the discharge of cold air to ensure the internal discharge function of steam
- The boiling point temperature can be set based on altitude.
- The exhaust temperature can be adjusted within the range of boiling point temperature plus 0-25°C.
- Dual temperature sensors can detect both air and water temperatures.
- The lid has one item sensor hole and two reserved verification holes on the tank body for easy connection verification.
- Self-sensing pressure interlock device, lid closing inspection system, and leakage protection device.

Model	PMJ-50	PMJ-65	PMJ-85	PMJ-110
Volume (L)	50	65	85	110
Inner chamber polishing	Yes	Yes	Yes	Yes
Inner chamber material thickness	2.5	2.5	2.5	3.0
Accuracy	0.1	0.1	0.1	0.1
Maximum sterilization temperature setting	138	138	138	138
Gas collection tube	External	External	External	External
Sterilization range (°C)	105~138			
Dissolution temperature (°C)	50~100			
Insulation temperature (°C)	40~60			
Set time	Sterilization, melting: 0-9999 minutes; Insulation time: 1-99 hours; Scheduled sterilization time: 0-99 hours.			
Storage system	Real-time data storage function, memory storage of 20 programs, programmable for various modes of sterilization procedures			
Pressure display range	-0.1~0.5mpa			
Exhaust method	Full exhaust, micro exhaust, no exhaust, intelligent multi-stage exhaust			
Safety device	Pressure safety valve, dry burn prevention, door lock safety interlocking device, chamber lid closure detection system, overpressure detection, overtemperature detection, leakage and short circuit detection, water level detection			
Cooling fan	Standard configuration	Standard configuration	Standard configuration	Standard configuration
Water level sensor	Standard configuration	Standard configuration	Standard configuration	Standard configuration
Pressure sensor	Standard configuration	Standard configuration	Standard configuration	Standard configuration
USB	Standard configuration	Standard configuration	Standard configuration	Standard configuration
Lid opening method	Hand-turned hinged opening			
Ambient temperature	5~45°C			
Rated power	2800W	3500W	3500W	4800W
Sterilization chamber size (diameter x height)	φ370*520	φ370*620	φ370*800	φ400*780
Basket size (W x D x H) mm	φ340*190*2	φ340*230*2	φ340*230 / φ340*350	φ380*350*2
Weight	75KG	100KG	120KG	160KG
External dimensions (W x D x H) mm	610*530*950	610*530*1000	610*530*1170	690*610*1230
Working power supply	220V±10%,16A,50HZ/60HZ		220V±10%,32A,50HZ/60HZ	

Hand-turned high-pressure steam sterilizer GAS series

Autoclave



- The maximum sterilization temperature can be set to 138°C
- The PT1000 sensor is used, providing more precise temperature control with a display accuracy of 0.1°C.
- Configurable pressure gauge with negative pressure range
- 0.1 to -0.5, overcurrent, short-circuit protection system.
- Standard configuration with dual hardware and software dry burn prevention function, overtemperature protection system, and overpressure protection safety valve.
- The heating function stops when the lid is opened.
- After the sterilization is completed, the exhaust valve can operate at the set ten-level exhaust speed.
- Freertos embedded operating system
- Standard USB drive for real-time data recording
- Features F0 value testing function
- Automatic fault detection, alarm, and recording functions (printer optional), with burn injury safety protection.
- Automatically detect cold air discharge to ensure pure steam sterilization.
- The boiling point temperature can be set based on altitude.
- The exhaust temperature can be adjusted within the range of boiling point temperature plus 0~25°C.
- Dual temperature sensors can detect both air and water temperatures, ensuring safer use.
- The tank body has reserved verification holes for easy connection verification.
- Mechanical pressure interlock device with lid closure check system.
- Overcurrent protection device

Model	GAS-54	GAS-78
Volume (L)	54	78
Inner chamber polishing	Surface atomization polishing treatment	Surface atomization polishing treatment
Inner chamber thickness (mm)	2.0	2.0
Display accuracy (°C)	0.1	0.1
Maximum sterilization setting temperature (°C)	138	138
Sterilization range (°C)	105~138	
Set time	Sterilization, melting: 0 minutes to 9999 minutes	
Program functions	Features sterilization insulation and liquid sterilization functions	
Pressure display range	-0.1~0.5MPa	
Exhaust method	10-level exhaust	
Safety device	Pressure safety valve, dry burn prevention, door lock safety interlock device, chamber lid closure detection system, overpressure detection, overtemperature detection.	
Maximum design pressure	0.28MPa	
USB	Standard configuration	Standard configuration
Lid opening method	Hand-turned hinged opening	
Ambient temperature	5~45°C	
Rated power	2800W	3500W
Sterilization chamber size (diameter*height) mm	φ370*520	φ370*740
Basket size (W x D x H) mm	φ350*190*2	φ350*230*1 / φ350*350*1
Weight	80KG	85KG
External dimensions (W x D x H) mm	500*500*945	500*500*1170
Working power supply	220V±10%,16A,50HZ/60HZ	

Constant temperature and humidity chamber Constant Climate Chambers

150L/250L/450L/750L/1100L



- Capable of achieving a temperature range of -5 to 100°C and humidity range of 15% RH to 95% RH.
- 5-level automatic defrosting function, maintaining stable temperature and humidity without fluctuations, meeting GMP and FDA requirements for frost-free operation (above 20°C).
- Log recording and audit trail functions
- Feature an electronic signature function that meets FDA requirements, ensuring more objective experimental data.
- Real-time data recording and export function (USB encryption or upper-level machine serial port export).
- Fault detection, alarm, record, and export function (USB export)
- 4-level password function: Visitor password, operator password, administrator password, advanced administrator password.
- Three power-off mode options: Power-off recovery, stop, or restart.
- Historical data and historical curve query and download function.
- Flash memory stores test data with a recording frequency of 1 time/min, capable of storing data for at least 10 years.
- Data exported by third-party software cannot be modified
- Computer monitoring software with monitoring and synchronous control functions, supporting simultaneous control of up to 32 devices (H, TH series)
- GPRS SMS alarm function
- Water level monitoring and automatic water replenishment function
- Communication protocol provided for integration with pharmaceutical companies' comprehensive equipment management platforms

Effective volume/model	PTH series	H series	TH series
150L	PCTHI-150T	HCTHI-150	HCTHI-150T
250L	PCTHI-250T	HCTHI-250	HCTHI-250T
450L	PCTHI-450T	HCTHI-450	HCTHI-450T
750L	PCTHI-750T	HCTHI-750	HCTHI-750T
100L	PCTHI-1100T	HCTHI-1100	HCTHI-1100T
Temperature range	0-70 °C	0-70°C	-5-100 °C
Temperature fluctuation	±0.1 °C	±0.1 °C	±0.1 °C
Temperature deviation	±1°C	±1°C	±1°C
Humidity range	15-96RH	15-95%RH	15-95%RH
Humidity fluctuation	±2.5%RH	±15%RH	1.5%BH
Humidity deviation	±3%RH	±3%RH	±3%RH
Display	7-inch touch screen	7-inch touch screen	7-inch touch screen
Log and audit trail functions	None	Yes	Yes
Mobile app	None	Optional	Optional
Electronic signature	None	Yes	Yes
Curve display function	Yes	Yes	Yes
Data recording and export function	Yes	Yes	Yes
Permission level	Level 3	Four levels	Four levels
Fault monitoring, alarm, and recording	Yes	Yes	Yes
Printer	Optional	Optional	Optional
Program control	Fuzzy intelligent P.I.D control		
Frost-free area	Frost-free operation above 20°C		
Relative humidity sensor	Swiss Rotronic		
Compliance with standards	Meet the relevant requirements of GMP, FDA, and the national pharmacopoeia.		
Safety device	Compressor overheat protection, overtemperature protection, low water protection, overload protection, fan overheat protection.		
Working temperature	5~35°C (it is recommended that the ambient temperature be below 30°C for long-term operation).		
Power supply	AC 220V±10% 50HZ/80HZ		

Volume (litres)	150L	250L	450L	750L	1100L
Inner chamber dimensions (W*D*H) mm	540*400*700	640*440*890	750*500*1200	1250*500*1200	1250*735*1200
External dimensions (W*D*H) mm	710*876*1310	810*905*1495	920*975*1800	1430*995*1810	1430*1230*1810
Temperature uniformity (40°C)	1.5°C	1.5°C	1.5°C	1.5°C	1.5°C
Installed power	2250W	3000W	3700 W	5000W	6000W
Operating power (40°C, 75% RH)	1100W	1300W	1500 W	2000W	2300W
Single-layer shelf weight capacity	25kg	25kg	25kg	25kg	25Kg
Shelf (standard)	Three layers	Three layers	Four layers	Four layers	Four layers
Factory standard plug	16A	16A	16A	16A	16A
Weight	Approx. 115Kg	Approx. 138Kg	Approx. 216Kg	Approx. 266Kg	Approx. 310Kg

Comprehensive light stability test chamber for pharmaceuticals

150L/250L/450L/750L/1100L Constant Climete Chambers ICH-Complaint Light Source and Light dos Control



- Capable of achieving temperatures from -5 to 100°C, humidity from 15% RH to 95% RH
- 5-level automatic defrost function, stable and consistent temperature and humidity, frost-free operation (above 20°C) meeting GMP and FDA requirements
- Log recording and audit trail functions
- Light intensity and ultraviolet light intensity total amount control function (according to pharmacopoeia, 1,200,000 LUX strong light and 200 W·hr/m² total amount control for near ultraviolet light)
- Feature an electronic signature function that meets FDA requirements, ensuring more objective experimental data.
- Real-time data recording and export function (USB encryption or host computer serial port export)
- Fault detection, alarm, recording, and export function (USB export)
- 4-level password function: Visitor password, operator password, administrator password, advanced administrator password.
- Three power-off mode options: Power-off recovery, stop, or restart.
- Historical data and historical curve query and download function.
- Flash memory for test data, recording frequency 1 time/min, can store data for at least 10 years
- Ambient temperature detection function
- Third-party software data export, data cannot be modified
- Computer monitoring software for surveillance and synchronized control function, supports simultaneous control of up to 32 devices (PTH-LQC series does not have this feature)
- GPRS SMS alarm function
- Water level monitoring and automatic water replenishment functio
- Communication protocol available, can integrate with pharmaceutical company comprehensive equipment management platforms

Effective volume/model	PTH-LQC series	H-LQC series	TH-LQC series
150L	HPMT-150LT	HMT-150LT	HMT-150LT
250L	HPMT-250LT	HMT-250L	HMT-250LT
450L	HPMT-450LT	HMT-450L	HMT-450LT
750L	HPMT-750LT	HMT-750L	HMT-750LT
1100L	HPMT-1100LT	HMT-1100L	HMT-1100LT
Temperature range	0-70°C (add 10°C when light source is on)	0-70°C (add 10°C when light source is on)	-5 to 100°C (add 10°C when light source is on)
Temperature fluctuation	±0.5°C	±0.5°C	± 0.5°C
Temperature deviation	±1°C (±2°C with light source)	±1°C (±2°C with light source)	±1°C (±2°C with light source)
Humidity range	15-95% RH (30-85% RH with light source)	15-95% RH (30-85% RH with light source)	15-95% RH (30-85% RH with light source)
Humidity deviation	±3°C (±5°C with light source)	±3°C (±5°C with light source)	±3°C (±5°C with light source)
Humidity fluctuation	±2.5%RH	±1.5%RH	±1.5%RH
Display	7-inch touch screen	7-inch touch screen	7-inch touch screen
Log and audit trail functions	None	Yes	Yes
Mobile app	None	Optional	Optional
Electronic signature	None	Yes	Yes
Curve display function	Yes	Yes	Yes
Data recording and export function	Yes	Yes	Yes
4-level permission	Yes	Yes	Yes
Fault monitoring, alarm, and recording	None	Yes	Yes
Total light amount control system	None	Optional	Yes
Ultraviolet total amount control system	None	Optional	Optional
Printer	Optional	Optional	Optional
Program control		Fuzzy intelligent PID	
Relative humidity sensor		Imported electronic type	
Frost-free area		Frost-free operation above 20°C	
Compliance with standards	Meet GMP, FDA, ICH (Q1A and Q1B) guideline requirements, cold fluorescent light ≥1.2x10 ⁶ Lux·hr, near ultraviolet light ≥200 W·hr/m²		
Safety device	Compressor overheat protection, overtemperature protection, low water protection, overload protection, fan overheat protection.		
Working temperature	5-35°C (it is recommended ambient temperature below 30°C for long-term operation)		
Power supply	AC 220V ± 10% 50HZ/80HZ		

Volume (L)	150L	250L	450L	750L	1100L
Light intensity (standard configuration)	0-4500lux		0-10000lux		
Inner chamber dimensions (W*D*H) mm	540*400*700	640*440*890	750*500*1200	1250*500*1200	1250*735*1200
External dimensions (W*D*H)mm	710*876*1310	810*905*1495	920*975*1800	1430*995*1810	1430*1230*1810
Temperature uniformity (40°C)	1.5°C	1.5°C	1.5°C	1.5°C	1.5°C
Installed power	2250W	3000W	3700W	5000W	6000W
Operating power (40°C, 75% RH)	1100W	1300W	1500W	2000W	2300W
Single-layer shelf weight capacity	25kg	25kg	25kg	25kg	25kg
Shelf (standard)	Three layers	Three layers	Four layers	Four layers	Four layers
Factory standard plug	16A	16A	16A	16A	16A
Weight	Approx. 115Kg	Approx. 138Kg	Approx. 216Kg	Approx. 266Kg	Approx. 310Kg

Light and ultraviolet system expanded technical parameters

Volume (L)		250L	450L	750L	1100L
Light source	D65, 6500K / Partition type light source				
Illuminance range (H-LQC and TH-LQC)	0-4500 lux (stepless adjustable)		0-10000 lux (stepless adjustable)		
Illuminance deviation	+ 500lux				
Ultraviolet spectral range	320-400nm				
Ultraviolet illuminance	80-100uw/cm2(0~1w/m2)				
Light and ultraviolet module	Single illumination / single ultraviolet / light and ultraviolet (optional)				
Total light amount control system	Light intensity automatically adjusted by the illumination module, screen display, printable (optional)				
Ultraviolet total amount control system	Ultraviolet radiation value automatically adjusted by the ultraviolet module, screen display, printable (optional)				
Light and ultraviolet total amount control system	Light intensity and ultraviolet radiation value automatically adjusted by the light and ultraviolet module, screen display, printable simultaneously (optional)				

CO2 incubator Air jacket/water jacket

CO2 INCUBATORS (Air Jacket/Water Jacket)



- 7-inch touchscreen display control interface
- Automatic zero calibration function
- 90°C high temperature and high humidity sterilisation
- Use glass door direct heating and controls glass door temperature, preventing glass door condensation and ensuring more even temperature
- Door open/close monitoring function
- Log recording function
- Fault monitoring, alarm, and recording function
- 4-level password function
- Three power-off mode options
- Curve display function
- Real-time data and historical data printing function
- Full arc design, reduces bacterial growth environment
- 232 communication interface
- 485 communication interface

	Air jacketed CO2 incubator		Water jacketed CO2 incubator
Model	LDT-185IU	LDT-185IU	HLDT -185IH
Volume (L)	185	185	185
Temperature control range	Environmental humidity +5~60°C		
Temperature uniformity	≤±0.4°C		
Humidity control accuracy	±0.1°C		
Temperature recovery time (1 minute after door opening)	≤5 minutes		
Operating environment	Less than 5°C below set temperature (it is recommended that the ambient temperature be at least 8°C lower than the set temperature for long-term use)		
CO2 concentration range	0-20%		
CO2 control accuracy	±0.1%		
CO2 sensor	Imported infrared (R) sensor		
CO2 recovery time (1 minute after door opening)	≤5 minutes		
Sterilization method	Ultraviolet lamp	90°C high temperature and high humidity	Alcohol wipe
Internal circulation high-efficiency filter	2 pieces	2 pieces	2 pieces
Inlet high-efficiency filter	1 piece	1 piece	1 piece
Heated glass door	Standard configuration	Standard configuration	Standard configuration
Humidification method	Humidification disk		
Humidity display	Optional		
Humidity range	92%RH ±3%		
Automatic gas cylinder switcher	Optional	Optional	Optional
Printer	Optional	Optional	Optional
Working temperature	5~35°C (it is recommended that the ambient temperature be below 30°C for long-term operation)		
Power supply	AC 220V ± 10% 50HZ/80HZ		
Inner chamber dimensions (W*D*H) mm	540*510*680		
External dimensions (W*D*H) mm	710*695*985		
Shelf (standard)	470*470 (4 pieces)		
Maximum power	Approx. 800W		
Factory standard plug		10A	10A
Weight		Approx. 150kg	Approx. 165kg

Constant temperature incubator Standard Incubators

50L/80L/150L/250L



- Two control modes: set value and program
- Ambient temperature detection function
- Temperature calibration function
- Equipped with automatic start, automatic stop, timed operation, and clock display functions
- Three types of overtemperature protection functions (upper and lower limits)
- Advanced four-way distributed air duct system, more uniform temperature
- The control system uses fuzzy intelligent P.I.D controller
- Top standard test hole
- Partition can be humanized and adjusted
- Built-in glass door, prevents sudden
- temperature change when the door is opened

Model	HCTI-50	HCTI-80	HCTI-150	HCTI-250
Volume (L)	50L	80L	150L	250L
Program mode	Yes			
Convection mode	Forced convection			
Temperature control range	RT+5°C~70°C			
Temperature display accuracy	0.1°C			
Over-temperature protection	Three types of overtemperature protection functions (upper and lower limits)			
Temperature transducer	PT100			
Control Method	Fuzzy intelligent P.I.D control			
Inner glass door	Yes			
Test hole	One point on top			
Working temperature	5~35°C (it is recommended that the ambient temperature be below 30°C for long-term operation)			
Temperature uniformity (at 40°C)	1°C	1°C	1°C	1°C
Heating power	750W	900W	1800W	2500W
Inner chamber dimensions (W*D*H) mm	410*300*410	450*300*600	500*400*750	600*485*850
External dimensions (W*D*H) mm	595*592*615	635*592*805	685*692*960	782*782*1055
Shelf (standard)	Two layers	Two layers	Three layers	Three layers
Input voltage	AC220V ± 10%50HZ/60HZ			
Factory standard plug	10A	10A	10A	10A
Weight	45kg	60kg	85kg	110kg

Scientific research model constant temperature incubator



- Use imported temperature sensor for more accurate temperature control
- Constant value control mode
- Temperature calibration function
- Equipped with over-temperature protection function
- Equipped with overload protection function
- Advanced four-way dispersed air duct system for more even temperature
- The control system uses fuzzy intelligent P.I.D controller
- Top exhaust and test hole
- Partition can be humanized and adjusted
- Equipped with fresh air intake system
- Three types of upper and lower limit over-temperature protection functions

LCD series	PCTI-50	PCTI-80	PCTI-150	PCTI-250
Volume (L)	50	80	150	250
Convection mode	Forced convection			
Temperature control range	Room temperature +5°C~70°C			
Temperature display accuracy	0.1°C			
Over-temperature protection	Three types of overtemperature protection functions (upper and lower limits)			
Temperature transducer	Uses PT100 sensor			
Control Method	Fuzzy intelligent P.I.D control			
Inner glass door	Yes			
Test hole	One point on top			
Temperature uniformity (37°C)	±0.7°C(37°C)	±0.7°C(37°C)	±0.7°C(37°C)	±0.7°C(37°C)
Heating power	750W	900W	1800W	2500W
Internal dimensions (W*D*H) mm	410*300*410	450*300*600	500*400*750	600*485*850
External dimensions (W*D*H) mm	535*575*575	575*575*765	625*675*915	725*765*1015
Tray (standard)	Two layers	Two layers	Three layers	Three layers
Input voltage	AC 220V ±10% 50HZ/60HZ			
Factory standard plug	10A	10A	16A	16A
Weight	45kg	60kg	85kg	110kg

Cooling incubator NIBI series



- 7-inch color touch screen
- Safety protection device
- Temperature deviation abnormal audible and visual alarm
- Temperature over-limit power-off function
- Overheating protection for fan motor
- Overcurrent and overheating protection for compressor
- Safety grounding terminal
- Standard equipped overtemperature protector
- Standard equipped leakage protector
- Manufacturing standard specifications
- ◆ Reference standard GB/T 28851-2012 Specifications for Refrigerated Incubators

Volume (litres)	GBI-150L/NIBI-150T	GBI-250L/NIBI-250T	GBI-450L/NIBI-450T	GBI-720L/NIBI-720T	GBI-1020L/NIBI-1020T
Inner chamber dimensions (W*D*H) mm	490*440*700	640*440*890	750*500*1200	1190*485*1250	1190*685*1250
External dimensions (W*D*H) mm	630*790*1310	780*790*1500	890*850*1810	1460*880*1902	1460*1080*1902
Temperature range (°C)	0 °C~70°C	0 °C~70°C	0 °C~70°C	0 °C~70°C	0 °C~70°C
Temperature display accuracy (°C)	0.1	0.1	0.1	0.1	
Temperature fluctuation (°C)	±0.2	±0.2	±0.2	±0.2	±0.2
Temperature uniformity (°C) at 37°C	0.8(±0.4)	0.8(±0.4)	0.8(±0.4)	0.8(±0.4)	0.8(±0.4)
Installed power (W)	800	800	1400	200	2500
Rated power (W) at 37°C	400	500	600	800	1000
Number of shelves (standard)	3	3	4	4	4
Single-layer shelf load capacity (kg)	15	15	15	15	15
Gross weight/net weight (kg)	Approx. 90	Approx. 100	Approx. 170	Approx. 200	Approx. 230
Packaging dimensions (mm)	730*890*1540	880*890*1730	990*950*2040	1560*980*2132	1560*1180*2132
Power supply	220V±10% 50HZ	220V±10% 50HZ	220V±10% 50HZ	220V±10% 50HZ	220V±10% 50HZ

Cooling incubator

150L/250L/450L/750L/1100L

Cooling incubators



- Constant value and program control modes (optional)
- Equipped with automatic start, automatic stop, timed operation, and clock display functions
- Door open/close monitoring function
- Automatic defrost function
- Log recording function
- Fault monitoring, alarm, and recording function
- 4-level password function: visitor password, operator password, administrator password, senior administrator password
- Three power-off mode options
- Curve display function
- Real-time data printing function
- Touch screen data storage function
- Computer monitoring software function
- Temperature calibration function

Touchscreen series	HBI-150T	HBI-250T	HBI-450T	HBI-750T	HBI-1100T
Effective volume	150L	250L	450L	750L	1100L
Temperature range	0°C-70°C				
Temperature fluctuation—compressor continuous operation	±0.5°C				
Temperature fluctuation—compressor intermittent operation	±1°C				
Temperature deviation	±1°C				
Temperature uniformity (°C) at 37°C	2°C				
Supply voltage	AC 220V ± 10% 50HZ/80HZ				
Installed power	1150W	1150W	2100W	3000W	3500W
Operating power	500W	500W	800W	900W	1000W
Control Method	Fuzzy intelligent P.I.D control				
Program control	Constant temperature mode				
Curve display function	Yes				
Data monitoring and storage function	Yes				
Permission level	Level 3				
Defrosting method	Automatic defrost function				
Temperature transducer	PT100				
Three power-off mode options	Power-off recovery, stop or restart				
Test hole	1 piece				
Thermal insulation material	Polyurethane foam material				
Safety device	Fault monitoring, alarm, record, and export function (USB encrypted export or host computer serial port export)				
Inner chamber dimensions (W*D*H) mm	540*400*700	640*440*890	750*500*1200	1250*500*1200	1250*735*1200
External dimensions (W*D*H) mm	710*876*1310	810*905*1495	920*975*1800	1430*995*1810	1430*1230*1810
Separator plate	Three layers	Three layers	Four layers	Four layers	Four layers
Single-layer shelf load-bearing (kg)	25kg	25kg	25kg	25kg	25kg
Product weight (kg)	Approx. 96kg	Approx. 117kg	Approx. 186kg	Approx. 216kg	Approx. 256kg
Factory standard plug	10A		16A		



- Safety protection device
- Temperature deviation abnormal audible and visual alarm
- Temperature over-limit power-off function
- Overheating protection for fan motor
- Overcurrent and overheating protection for compressor
- Safety grounding terminal
- Standard equipped overtemperature protector
- Standard equipped leakage protector
- Manufacturing standard specifications
- ◆ Reference standard GB/T 28851-2012 Specifications for Refrigerated Incubators

Cooling incubator GBI series

Effective volume	LCD series	Touchscreen series
150L	GBI-150L	NIBI-150T
250L	GBI-250L	NIBI-250T
450L	GBI-450L	NIBI-450T
720L	GBI-720L	NIBI-720T
1020L	GBI-1020L	NIBI-1020T
Temperature range (°C)	0~70	0~70
Temperature display accuracy (°C)	0.1	0.1
Temperature control mode	Fuzzy intelligent P.I.D control	Fuzzy intelligent P.I.D control
Program control	Set value mode and program mode	
Curve display function	None	Yes
Data monitoring function	None	Yes
3-level password function	None	Yes
Data storage function	None	Yes
Fault monitoring, alarm, and recording	Yes	Yes
Defrosting method	3-level automatic defrosting	
Frost-free area	Frost-free operation across all temperature zones	
Temperature transducer	Imported Heraeus PT100	
Three power-off mode options	Power-off recovery or restart	Power-off recovery: stop or restart
Test hole	Diameter φ45, one on the right side	

- The test data applies only under no-load conditions of the equipment, with an ambient temperature of 25°C during testing.
- Product appearance and parameters are subject to change without prior notice. The product appearance may vary due to photography and printing, we appreciate your understanding.

UV.cooling incubator

UV. Cooling incubators

150L/250L/450L/750L/1100L



- Constant value and program control modes (optional)
- Equipped with automatic start, automatic stop, timed operation, and clock display functions
- Door open/close monitoring function
- Automatic defrost function and manual defrost function
- Log recording function
- Fault monitoring, alarm, and recording function
- 4-level password protection: guest password, operator password, administrator password, senior administrator password
- Three power-off mode options: power recovery, stop, or restart
- Curve display function
- GPRS SMS alarm function
- Real-time and historical data printing function; touchscreen data storage function
- Computer monitoring software monitoring function
- Temperature calibration function
- Water level monitoring and automatic refill function (humidity control type)

Effective volume	Touchscreen non-humidity control series		Touchscreen humidity control series	
150L	MH-150T		HMH-150T	
250L	MH-250T		HMH-250T	
450L	MH-450T		HMH-450T	
750L	MH-750T		HMH-750T	
1100L	MH-1100T		HMH-1100T	
Temperature range	0°C-70°C		0°C-70°C	
Temperature fluctuation—compressor continuous operation	±0.5°C		±0.5°C	
Temperature fluctuation—compressor intermittent operation	±1°C		±1°C	
Temperature display accuracy	0.1°C		0.1°C	
Humidity range	None		15-95%	
Humidity deviation	None		±3rh	
Humidity fluctuation	None		±2.5%rh	
Ultraviolet lamp	Yes		Yes	
Curve display function	Yes		Yes	
Data monitoring function	Yes		Yes	
4-level password function	Yes		Yes	
Data storage function	Yes		Yes	
Fault monitoring, alarm, and recording	Yes		Yes	
Temperature control mode	Fuzzy intelligent P.I.D control			
Program control	Normal mode and program mode			
Defrosting method	Automatic defrost function			
Frost-free area	Frost-free operation above 20°C			
Temperature transducer	PT100 power-off recovery, stop, or restart			
Three power-off mode options	Left and right dual testing ports			
Test hole	Polyurethane foam material			
Thermal insulation material	5~35°C (it is recommended that the ambient temperature be below 30°C for long-term operation)			
Working temperature	AC 220V + 10%50HZ/60HZ			
Power supply	Fuzzy intelligent P.I.D control			

Volume (L)	150L	250L	450L	750L	1100L
Temperature uniformity (at 37°C)	1.5°C	1.5°C	1.5°C	1.5°C	1.5°C
Installed power	1150W/2250W	1150W/3000W	2100W/3000W	3000W/5000W	3500W/6000W
Operating power (at 37°C/40°C, 75% RH)	500W/1100W	500W/ 1300W	800W/1300W	900W/2000W	1000W/2300W
Inner chamber dimensions (W*D*H) mm	540*400*700	640*440*890	750*500*1200	1250*500*1200	1250*735*1200
External dimensions (W x D x H) mm	710*876*1310	810*905*1495	920*975*1800	1430*995*1810	1430*1230*1210
Shelf (standard)	Three layers	Three layers	Four layers	Four layers	Four layers
Factory standard plug	10A	10A	16A	16A	16A
Weight	Approx. 96kg/155kg	Approx. 117kg/138kg	Approx. 186kg/216kg	Approx. 216kg/266kg	Approx. 256kg/310kg

Drying oven

50L/80L/150L/250L



- Two control modes: set value and program
- Temperature calibration function
- Equipped with automatic start, automatic stop, timed operation, and clock display functions
- Advanced four-way dispersed air duct system for more even temperature
- The control system uses fuzzy intelligent P.I.D controller
- Top exhaust and test hole
- Partition can be humanized and adjusted
- Equipped with fresh air intake system
- Three types of upper and lower limit over-temperature protection functions

250°C series	HBAO-50	HBAO-80	HBAO-150	HBAO-250
300°C series	HBAO-50H	HBAO-80H	HBAO-150H	HBAO-250H
Display	Liquid crystal display			
Program mode	Yes			
Effective volume (liters)	50	80	150	250
Convection mode	Mandatory	Mandatory	Mandatory	Mandatory
Temperature control range	Room temperature +5°C to 250°C or room temperature +5°C to 300°C			
Temperature display accuracy	0.1°C	0.1°C	0.1°C	0.1°C
Over-temperature protection	Three types of upper and lower overtemperature protection functions			
Temperature uniformity (100°C)	2°C	2°C	2°C	2°C
Sensor	PT100			
Control Method	Fuzzy intelligent P.I.D control			
Heating power	1200W	1800W	2500W	2800W
Shelf (standard)	Two layers	Two layers		
Ventilation holes	One on the top	One on the top	One on the top	One on the top
Fresh air inlet	Two at the bottom	Two at the bottom	Two at the bottom	Two at the bottom
Internal dimensions (W*D*H) mm	410*300*410	450*300*600	500*400*750	600*485*850
External dimensions (W*D*H) mm	595*592*615	635*592*805	685*692*960	782*782*1055
Factory standard plug	10A	10A	16A	16A
Weight	40kg	55kg	80kg	105kg
Input voltage	AC 220V ± 10% 50Hz/60Hz			

Scientific research model forced drying oven



- Use imported temperature sensors for more accurate temperature control
- Constant value control mode
- Temperature calibration function
- Equipped with over-temperature protection function
- Advanced four-way dispersed air duct system for more even temperature
- The control system uses fuzzy intelligent P.I.D controller
- Top exhaust and test hole
- Partition can be humanized and adjusted
- Equipped with fresh air intake system
- Equipped with overload protection function

LCD series	PBAO-50	PBAO-50	PBAO-150	PBAO-250
Display	LCD screen			
Effective volume (liters)	50	80	150	250
Convection mode	Mandatory	Mandatory	Mandatory	Mandatory
Temperature control range	Room temperature +10°C~250°C			
Temperature display accuracy (°C)	0.1	0.1	0.1	0.1
Over-temperature protection	Three types of upper and lower overtemperature protection functions			
Temperature control uniformity	±1.5%	±1.5%	±1.5%	±1.5%
Sensor	Uses PT100 sensor			
Control Method	Fuzzy intelligent P.I.D control			
Heating power (power at 250°C)	1200W	1800W	2500W	2800W
Tray (standard)	Two layers	Two layers	Three layers	Three layers
Ventilation holes	One on the top	One on the top	One on the top	One on the top
Fresh air inlet	One at the bottom	One at the bottom	One at the bottom	One at the bottom
Internal dimensions (W*D*H) mm	410*300*410	450*300*600	500*400*750	600*485*850
External dimensions (W*D*H) mm	535*575*575	575*575*765	625*675*915	725*765*1015
Factory standard plug	10A	10A	16A	16A
Weight	40kg	55kg	80kg	105kg
Input voltage	AC 220V ±10% 50HZ/60HZ			

Vacuum drying oven VACUM ovens

30L/60L/90L



- Two control modes: Constant value and program
- Temperature calibration function
- Equipped with automatic start, automatic stop, timed operation, and clock display functions
- Advanced four-sided direct heating radiation in the inner chamber for more even temperature
- The control system uses fuzzy intelligent P.I.D controller
- Vacuum system made of high-quality purple copper and copper pipe fittings to ensure no vacuum leakage for 48 hours after the vacuum pump and valves are closed
- Standard over-temperature protector and leakage protector for safe operation

Model	HVOS-30	HVOS-60	HVOS-90
Effective volume (liters)	30	60	90
Heating method	Four-sided panel radiation heating method		
Temperature control range	RT+10°C to 210°C (maximum 250°C)		
Maximum achievable vacuum degree	Approx. 133pa		
Temperature display accuracy	0.1°C		
Temperature control accuracy	±1°C		
Time to reach maximum temperature	Approx. 90min	Approx. 90min	Approx. 90min
Temperature control mode	Fuzzy intelligent P.I.D control		
Temperature transducer	PT100		
Vacuum gauge	Type A mechanical vacuum gauge series		
Inner liner	SUS304 cold-rolled stainless steel		
Inner chamber dimensions (W*D*H) mm	310*310*320	400*380*400	450*450*450
External dimensions (W*D*H) mm	500*450*745	590*530*860	620*610*925
Heating power	1250W	1800W	2200W
Inlet size	KF20 quick release tube kit		
Shelf (standard)	Two layers	Two layers	Two layers
Factory standard plug	10A	16A	16A
Weight	Approx. 70Kg	Approx. 110Kg	Approx. 130Kg
Supply voltage	220V±10%, 50HZ/60HZ		

Large-scale stacking shaker SHAKING INCUBATORS (Stackable)
Two-layer stacking shaker / three-layer stacking shaker



- Frost-free, fluctuation-free temperature control technology (above 20°C)
- Features water level monitoring and automatic refill function (humidity-control products)
- Automatic defrost function
- Log recording and monitoring function
- 3-level password login function
- Historical data and historical curve query function
- Three power-off mode options
- Built-in flow guide water-impact protection function (water-impact protection series)
- Use imported motors for more precise and stable speed control
- Use imported carbon dioxide and humidity sensors
- Feature a carbon dioxide pressure stabilization system to prevent over-inflation
- Feature over-temperature protection, leakage protection, door alarm, sensor alarm, and other functions
- Feature forward and reverse control motor function
- Expandable RS-485 interface
- Dual sealing system with transparent, reinforced sealing inner glass door; offer better sealing performance compared to traditional magnetic seals, preventing glass door condensation from affecting samples.

Product name	Standard shaker		Water-resistant shaker	Illuminated shaker	Carbon dioxide shaker
Model	PSZY-250-1T (single layer)		PSZY-250-1TP (single layer)	PSZY-250-1TL (single layer)	PSZY-250-1TC (single layer)
	PSZY-250-2T (double layer)		PSZY-250-2TP (double layer)	PSZY-250-2TL (double layer)	PSZY-250-2TC (double layer)
	PSZY-250-3T (triple layer)		PSZY-250-3TP (triple layer)	PSZY-250-3TL (triple layer)	PSZY-250-3TC (triple layer)
Vibration mode	Orbital				
Amplitude	25		25	25	50/25
Speed range	25-300 RPM (10-300 RPM optional)				
Speed accuracy	±1RPM				
Humidity control range	4-65°C (RT at 19°C, controllable ±4°C)				
Accuracy	±0.1°C				
Humidity uniformity (at 37°C)	1°C				
Water-resistant function	None		Yes	Yes	Yes
Humidity control (30-95% RH optional)	Optional		Optional	Optional	Saturated humidity (standard)
CO2 control range	None		None	None	0-20%
CO2 control accuracy	None		None	None	0.1%
Display mode	Touch Screen Display				
Refrigerating power	500W (single layer)				
Heating power	1000W (single layer)				
Controller	Fuzzy P.I.D. control				
Standard fixture configuration	Flask fixture				
Light intensity	None		None	Standard 10,000 LUX, up to 16,000 LUX, optional multi-level intelligent control	None
Light					
Ultraviolet sterilization	Optional		Optional	Optional	Standard configuration
Tray dimensions (single layer) (W*D) mm	760mmx460mm				
Chamber dimensions (single layer) (W*D*H) mm	850mm*535mm*398mm				
Bracket (optional) (W*D*H) mm	1346mm*718mm*623mm				
External dimensions (W*D*H) mm	1350mm * 850mm * 630mm (single layer), 1350mm * 850mm * 1345mm (double layer), 1350mm * 850mm * 1970mm (E layer)				
Power supply	AC220V ± 10%, 50-60Hz, 16A (single layer)				
Weight	Approximately 260kg (single layer), 520kg (double layer), 780kg (triple layer)				

Vertical shaker SHAKING INCUBATORS(Chamber)



- Frost-free, fluctuation-free temperature control technology (above 20°C)
- Feature water level monitoring and automatic refill function (humidity-control products)
- Automatic defrost function
- Log recording function (touch screen)
- 3-level password login function (touch screen)
- Historical data and historical curve query function (touch screen)
- Three power-off mode options, power recovery, stop, or restart
- Ambient temperature detection function
- Use imported motors for more precise and stable speed control
- Feature a carbon dioxide pressure stabilization system to prevent over-inflation
- Feature over-temperature protection, leakage protection, door alarm, sensor alarm, and other functions
- Feature forward and reverse control motor function
- Expandable RS-485 interface

Product name	Standard shaker		Illuminated culture shaker
Model (LCD version)	PSLY-250L	PSLY-250LF	PSLY-250LL
Model (touch screen version)	PSLY-250T	PSLY-250TF	PSLY-250TL
Vibration mode	Orbital		
Amplitude	25		
Speed range	25-300 RPM (10-300 RPM optional)		
Speed accuracy	± 1 RPM		
Temperature control range	Room temperature +5-65°C	4-65°C	4-65°C
Accuracy	±0.1°C		
Temperature uniformity (at 37°C)	1°C		
Humidity control (30-95% RH optional)	Optional		
Display mode	LCD display / touch screen display		
Chamber volume	250L		
Refrigerating power	500w		
Heating power	750w		
Controller	Fuzzy P.I.D. control		
Standard fixture configuration	Flask fixture		
Light intensity	None		Standard 10,000 LUX, multi-level intelligent control optional
Light	Yes		
Ultraviolet sterilization	Optional		
Shaker tray dimensions (W*D) mm	558 mm x 460 mm (double layer)		
Chamber dimensions (W*D*H) mm	620mm*510mm*850mm		
External dimensions (W*D*H) mm	765mm*807mm*1343mm		
Power supply	AC220V± 10%50-60HZ 10A		
Weight	Approx. 210KG		

Small-scale stacking shaker SHAKING INCUBATORS (Stackable)
Two-layer stacking shaker / three-layer stacking shaker



- Frost-free, fluctuation-free temperature control technology (above 20°C)
- Feature water level monitoring and automatic refill function (humidity-control products)
- Automatic defrost function
- Log recording function
- 3-level password login function
- Historical data and historical curve query function
- Three power-off mode options, power recovery, stop, or restart
- Ambient temperature detection function
- Use imported motors for more precise and stable speed control
- Use imported carbon dioxide and humidity sensors
- Feature a carbon dioxide pressure stabilization system to prevent over-inflation
- Feature over-temperature protection, leakage protection, door alarm, sensor alarm, and other functions
- Feature forward and reverse control motor function
- Expandable RS-485 interface

Product name	Standard shaker		Water-resistant shaker	Illuminated shaker	Carbon dioxide shaker
Model	PSZYS-150-1T (single layer)		PSZYS-150-1TP (single layer)	PSZYS-150-1TL (single layer)	PSZYS-150-1TC (single layer)
	PSZYS-150-2T (double layer)		PSZYS-150-2TP (double layer)	PSZYS-150-2TL (double layer)	PSZYS-150-2TC (double layer)
	PSZYS-150-3T (triple layer)		PSZYS-150-3TP (triple layer)	PSZYS-150-3TL (triple layer)	PSZYS-150-3TC (triple layer)
Vibration mode	Orbital				
Amplitude	25		25	25	50/25
Speed range	25-300 RPM (10-300 RPM optional)				
Speed accuracy	±1RPM				
Humidity control range	4-65°C				
Accuracy	±0.1°C				
Humidity uniformity (at 37°C)	1°C				
Water-resistant function	None		Yes	Yes	Yes
Humidity control (30-95% RH optional)	Optional		Optional	Optional	Saturated humidity (standard)
CO2 control range	None		None	None	0-20%
CO2 control accuracy	None		None	None	0.1%
Display mode	Touch Screen Display				
Refrigerating power	400W (single layer)				
Heating power	750W (single layer)				
Controller	Fuzzy P.I.D. control				
Standard fixture configuration	Flask fixture				
Light intensity	None		None	Standard 10,000 LUX, up to 16,000 LUX, optional multi-level intelligent control	None
Light	Yes				
Ultraviolet sterilization	Optional		Optional	Optional	Optional
Tray dimensions (single layer) (W*D) mm	500mmx460mm				
Chamber dimensions (single layer) (W*D*H) mm	570mm*550mm*380mm				
External dimensions (W*D*H) mm	1020mm * 810mm * 600mm (single layer), 1020mm * 810mm * 1200mm (double layer), 1020mm * 810mm * 1800mm (E layer)				
Power supply	AC220V ± 10%, 50-60Hz, 10A (single layer)				
Weight	Approximately 170kg (single layer), 340kg (double layer), 510kg (triple layer)				



- Frost-free, fluctuation-free temperature control technology (above 20°C)
- Feature water level monitoring and automatic refill function (humidity-control products)
- Automatic defrost function
- Log recording function
- 3-level password login function
- Historical data and historical curve query function
- Three power-off mode options, power recovery, stop, or restart
- Ambient temperature detection function
- Use imported motors for more precise and stable speed control
- Use imported carbon dioxide and humidity sensors
- Feature a carbon dioxide pressure stabilization system to prevent over-inflation
- Feature over-temperature protection, leakage protection, door alarm, sensor alarm, and other functions
- Feature forward and reverse control motor function
- Expandable RS-485 interface

Product name	Standard shaker		Illuminated shaker	Carbon dioxide shaker
Model	PSWY-250T	PSWY-250TF	PSWY-250TL	PSWY-250TC
Vibration mode	Orbital			
Amplitude	25	25	25	50/25
Speed range	25-300 RPM (10-300 RPM optional)			
Speed accuracy	+ 1RPM			
Temperature control range	Room temperature +5-65°C	4-65°C		
Accuracy	±0.1°C			
Temperature uniformity (37°C)	1°C			
Humidity control (30-95% RH optional)	None	Optional	Optional	Saturated humidity (standard)
CO2 control range	None	None	None	0-20%
CO2 control accuracy	None	None	None	0.1%
Display mode	Touch Screen Display			
Refrigerating power	500W (single layer)			
Heating power	1000W (single layer)			
Controller	Fuzzy P.I.D. control			
Standard fixture configuration	Flask fixture			
Light intensity	None	None	Standard 10,000 LUX, Up to 16,000 LUX, optional multi-level intelligent control	None
Light	Yes			
Ultraviolet sterilization	Optional	Optional	Optional	Optional
Shaker tray dimensions (W*D) mm	760mmx460mm			
Chamber dimensions (W*D*H) mm	850mm*500mm*600mm			
External dimensions (W*D*H) mm	1410mm 840mm 950mm			
Power supply	AC220V± 10%50-60HZ 16A			
Weight	Approx. 170kg			

Desktop shaker

SHAKING INCUBATORS(Benchtop)



- Frost-free, fluctuation-free temperature control technology (above 20°C)
- Automatic defrost function
- Three power-off mode options, power recovery, stop, or restart
- Ambient temperature detection function
- Use imported motors for more precise and stable speed control
- Use imported temperature sensor
- Feature over-temperature protection, leakage protection, door alarm, sensor alarm, and other functions
- Feature forward and reverse control motor function

Model	PSE-150A	25-300 RPM
Speed range	25-300 RPM	1 RPM
Speed accuracy	± 1 RPM	Ambient temperature +5°C - 65°C
Temperature control range	Ambient temperature reduced by 15°C (minimum 4°C) - 65°C	±0.1°C
Accuracy	±0.1°C	2°C
Temperature uniformity (at 37°C)	≤2°C	0
Refrigerating power	500w	25-300 RPM
Heating power	750w	
Display mode	LCD	LCD
Controller	Fuzzy P.ID control	Fuzzy P.I.D. control
Shaker plate dimensions (W * D) mm	460mm*460mm	460mm*460mm
Chamber dimensions (W*D*H) mm	520mm*550mm*450mm	520mm*550mm*450mm
Power supply	AC220V +10% 50-60HZ	AC220V±10% 50-60HZ
External dimensions	620mm 840mm 630mm	620mm*840mm*630mm
Weight	100KG	90KG
Standard configuration	Optional fixed fixture	

Walk-in pharmaceutical stability testing chamber Custom

(Nonstandard) Constant Climete Chambers



- Log recording, audit trail function, and export function (USB encrypted export)
- Electronic signature function compliant with FDA requirements, ensuring more objective test data
- Real-time data recording and export function (USB encryption or upper-level machine serial port export).
- Fault detection, alarm, recording, and export function (USB export)
- 4-level password protection: guest password, operator password, administrator password, senior administrator password
- Three power-off mode options: power recovery, stop, or restart
- Historical data and historical curve query and download function.
- Maximum support for 16GB TF storage card, capable of storing data for at least 10 years
- PDF data export function (exported via host software)
- Computer monitoring software with monitoring and synchronization control function, supporting simultaneous control of 20 devices
- Water level monitoring and automatic water replenishment functio
- GPRS SMS alarm function
- Miniature needle printer
- 3Q service

Internal volume	Customizable
Temperature range	20°C ~ +65°C (customizable)
Temperature fluctuation	≤±0,5°C
Temperature deviation	±1.0°C
Temperature uniformity	≤1.0°C
Heating rate	1°C/min; (optional)
Humidity range	30~95% RH (+20°C ~ +65°C) customizable
Humidity deviation	±2% R.H (humidity deviation: ±2% R.H when <75% R.H)
Inner chamber	Stainless steel plate SUS304
Outer chamber	Color steel plate
Observation window	Multi-layer hollow electric heated glass
Refrigeration compressor	Imported compressor
Refrigerant	Environmentally friendly refrigerant
Cooling method	Air cooling
Display	7-inch 640x480, color touchscreen
Display resolution	Temperature 0.1°C; humidity: 0.1% RH; time 0.1 minute
Sensor	Class A Pt100 type armored platinum resistance thermometer
Memory	4GB U-disk
Voltage	AC220V single phase + grounding wire
Wind speed	1.0-1.7m/s
Noise	≤65dB(A), measured 1 meter in front of the cabinet and 1 meter above the ground