

LONGYUE



Product Catalog

- Anaerobic Incubator
- CO₂ Incubator
- Cooling Incubator
- Constant Temperature & Humidity Chamber
- Shaking Incubator
- Heating Incubator
- Drying Oven
- Clean Bench
- Medicine Stability Testing Chamber

LONGYUE

Shanghai Longyue Instrument Co., Ltd.

Address: Building 4, No 75, Lane 6965, Bei Song Rd, Songjiang District, Shanghai, P.R.C

Tel: 400-021-6118

Fax: 86(21)-65330010

Post Code: 201611

www.longyuesh.cn

Company Profile



Shanghai Longyue Instrument Co., Ltd., is one of leading manufacturers for high quality laboratory equipments in China. Since foundation, Longyue is specialized in research, manufacture and sale of Anaerobic, CO₂, Shaking, Cooling and Heating incubator, Constant Temperature and Humidity Chamber, Drug Stability Test Chamber, Drying Oven, Water Bath etc. The products are widely used in scientific and laboratory industries.

The dedicated and experienced Longyue R&D team always adhere to excellence and keep innovation. Till now, we have obtained more than 10 national patents and 5 invention patent for products.

Providing reliable and high quality products is our responsibility for customers worldwide. The company has strict quality control system from raw material to finished products, we assure each processing has careful inspection. The factory has passed the quality management system ISO 9001:2008.

Our Mission

Committed to the health of human and sustainable development of the earth.

Features

- Equipped with large LCD screen display,high-precision microcomputer control (with timing function), it can accurately and visually reflect the actual temperature inside the incubator, over heating alarm adopted, safe and reliable.
- UV Sterilizer,effectively prevent bacterial contamination.
- Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.
- Stainless steel cultivation and operation room,transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable,easy to use.
- Operation room is equipped with deoxidization catalyst.
- The incubator is designed with a double widen door,it can put more petri dishes.
- Equipped with leakage protection.



Specifications

Model	LAI-3
Time for creating anaerobic state in sample chamber	< 5 minutes
Time for creating anaerobic state in operation chamber	< 1hr
Anaerobic environment maintenance time	> 12hrs(when no supply of mixed gas)
Temperature Range	RT+3~60°C
Temperature Stability	< ±0.3°C
Temperature Uniformity	< ±1°C
Display Resolution	0.1°C
Timing Range	1~9999min
Power Rating	600W
Power Supply	AC 220V,50HZ
Net/Gross Weight (kg)	240/320
Interior Chamber Size (W×D×H)cm	30×19×29
Operation Chamber Size (W×D×H)cm	82×66×67
Exterior Size (W×D×H)cm	126×73×138
Package Size (W×D×H)cm	139×92×156

Features

- Microprocessor controller ,large color touch screen,accurately control the temperature and gas in incubator,easy operation.
- The system adopts Siemens PLC as the core controller,complementary with high precision temperature sensors, oxygen sensor, temperature control module and analog module to ensure high accuracy, good stability and high security, real-time monitoring of process data.
- UV Sterilizer,effectively prevent bacterial contamination.
- Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.
- Stainless steel cultivation and operation room,transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable,easy to use.
- Operation room is equipped with deoxidization catalyst.
- The incubator is designed with a double widen door,it can put more petri dishes.
- Imported oxygen sensors can observe oxygen concentration in the operating room at any time.
- Equipped with leakage protection.
- The operating room is equipped with special inoculating rod sterilizer and wax melting disinfection device.
- With USB interface, can store 6 months of data.



Specifications

Model	LAI-3T
Time for creating anaerobic state in sample chamber	< 5 minutes
Time for creating anaerobic state in operation chamber	< 1 hr
Anaerobic environment maintenance time	> 12 hrs.(when no supply of mixed gas)
Temperature Range	RT+3~60°C
Temperature Stability	< ±0.3°C
Temperature Uniformity	< ±1 °C
Display Resolution	0.1°C
Timing Range	1~9999min
Power Rating	600W
Power Supply	AC 220V,50HZ
Net/Gross Weight(kg)	240/320
Interior Chamber Size(W×D×H)cm	30×19×29
Operation Chamber Size (W×D×H)cm	82×66×67
Exterior Size (W×D×H)cm	126×73×138
Package Size(W×D×H)cm	139×92×156



Features

- This workstation integrates CO₂, Constant temperature and humidity, anaerobic incubator whole.
- Can operate as an anaerobic or micro-oxygen chamber (oxygen concentration: 0-10%).
- Fully automatic humidity control system to avoid drying of the Petri dishes.
- Sample transfer: can transfer 40 pcs of 90mm plates at a time, single dish transfer device is optional.
- Available with automatic sleeve gassing system operated by foot-switch, so you can control vacuum and Nitrogen gas filling efficiently. Equipped with standard external vacuum pump.
- Using high-efficiency palladium catalyst to keep the oxygen concentration less than 0.1% without frequent activation.
- UV lamp for sterilization.
- Full-automatic control for gas replacement path, with positive pressure and negative pressure protection.
- Can perform CO₂, humidity and temperature control.
- Unique oil bottle type pressure relief design, protects internal positive pressure and prevents air leakage.
- With a number of low pressure, over temperature protection devices.
- The whole front cover can be lifted off for placing large instruments or thorough cleaning.
- Equipped with standard power socket.
- Touch screen directly displays the oxygen percentage of the operating room, easy for observation.
- Latex gloves for comfortable and flexible operation.
- Bare-hand operating system is optional. Ensure comfortable operation with no skin allergies.

Specifications

Model	LAI-D1	LAI-D2
Time for creating anaerobic state in sample chamber	< 5 minutes	
Time for creating anaerobic state in operation chamber	< 1hr	
Anaerobic environment maintenance time	> 12hrs(when no supply of mixed gas)	
Temperature Range	RT+3~60°C	
Temperature Stability	< ±0.3°C	
Temperature Uniformity	< ±1°C	
CO ₂ Range	0 ~ 20%	
CO ₂ Control Accuracy	±0.1%(imported sensor)	
Humidity Control Range	50~90%RH	
Humidity Fluctuation	±3%RH	
Power Rating	1500W	
Power Supply	AC 220V,50HZ(can customized)	
Interior Chamber Size (W×D×H)cm	42×29×47.5	
Operation Chamber Size (W×D×H)cm	95×67×75	
Sampling chamber size (W×D×H)cm	40×30×32	
Shell material	Spray treatment on high quality steel plate	All 304 stainless steel



Features

- Water jacket and air jacket structure are available, polished stainless-steel chamber with air duct. Equipped with fan for forced convection, ensuring good temperature uniformity and the balance of CO₂ concentration inside.
- When door opened, the fan is automatically turned off and stop heating to reduce the pollution caused by the entry of air.
- Large LCD screen and PID controller design. PID microprocessor is used to control temperature and air, meanwhile, the temperature of box, water and door are separately controlled by three probes to ensure high accuracy. (Air jacket is equipped with two probes to control door temperature and main body temperature.)
- Flexible switch, each working status has LCD indication.
- Alarm function for over-heating, lack of water, unspirated, ensuring the safe operation of the equipment.
- Equipped with sterile air filtration devices and UV light system to reduce pollution.
- Natural evaporation for humidification, so that the chamber can maintain good humidity and the humidity can be displayed on screen.
- Adopt gilded infrared probe in the detection of CO₂ for precise measurement. The sensor life expectancy is up to 15 years. With alarm function for over concentration, slow concentration rising and unspirated.
- Equipped with leakage protection and auxiliary thermostat.

Options

- RS485/232 connector
- CO₂ pressure releasing valve
- Wireless alarm system (SMS alarm system)
- HEPA filter system
- Automatic humidification system
- 90°C High temperature sterilization

Specifications

Model	LCI-85/LCI-85T	LCI-165/LCI-165T	LCI-270/LCI-270T
Chamber Volume	85L	165L	270L
Temperature Range	RT+3~60°C		
Display Resolution	0.1°C		
Temperature Stability	≤±0.2°C		
Temperature Uniformity	≤±0.3°C		
CO ₂ Range	0~20%		
CO ₂ Control Resolution	±0.1%(imported sensor)		
Humidity Method	Natural Vaporization		
Power Supply	AC220V,50HZ		
Power Rating	600W	900W	1400W
Chamber Size (W×D×H)cm	40×42.5×50	50×51×65	60×60×75
Exterior Size (W×D×H)cm	55×57×80	65×73×103	72×75×110
Net/Gross Weight (kg)	59/92	83/120	132/165



Features

- Water jacket and air jacket structure are available, polished stainless-steel chamber with air duct. Equipped with fan for forced convection, ensuring good temperature uniformity and the balance of CO₂ concentration inside.
- PID microprocessor is used to control temperature, meanwhile, the temperature of box, water and door are separately controlled by three probes to ensure high accuracy. (Air jacket is equipped with two probes to control door temperature and main body temperature.)
- Digital display for setting parameters, each working state has LED indication.
- Alarm function for over-heating, lack of water, unspirated, ensuring the safe operation of the equipment.
- Equipped with sterile air filtration devices and UV light system to reduce pollution.
- Natural evaporation for humidification to ensure the chamber can maintain good humidity .
- The ratio of CO₂ gas and air can be arbitrarily selected according to the needs, direct reading type flow meter, accurate and easy operation.

Specifications

Model	WJ-2	WJ-2-160
Chamber Volume (L)	80	160
Temperature Range (°C)	RT+3 ~ 60	
Temperature Stability (°C)	≤ ±0.2	
Temperature Uniformity (°C)	≤ ±0.3	
Timing Range	1 ~ 9999min or without timing	
CO ₂ Range	0 ~ 20%	
Humidity Method	Natural Vaporization	
Power Supply	AC220V,50HZ	
Power Rating (W)	600	900
Chamber Size (W×D×H)cm	40×40×50	50×50×65
Exterior Size (W×D×H)cm	57×59×93	69×69×103
Package Size(W×D×H)cm	64×68×103	70×78×118
Net/Gross Weight (kg)	55/85	75/110



Features

- Imported compressor, automatic control for hot and cold.
- Microprocessor control with large LCD screen, easy menu operation and high precision.
- Polished stainless steel chamber , moveable shelves can be freely adjusted, easy for cleaning.
- Equipped with power supply outlet and lamp inside, easy observation.
- Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.
- RS485 connector to connect computer and printer, temperature and time data can be displayed on computer and print.
- External printer records temperature and time data in real time.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temperature control failed(for heating).

Options

- Programmable temperature controller
- Built-in printer
- Φ25mm (50mm) test hole
- RS485/232 connector
- Wireless alarm system (SMS alarm system)

Specifications

Model	LBI-175-N	LBI-275-N	LBI-375-N	LBI-475-N	LBI-800-N	LBI-1075-N
Chamber Volume	175L	275L	375L	475L	800L	1075L
Temperature Range	-10~75 °C					
Display Resolution	0.1°C					
Temperature Stability	±0.5°C					
Temperature Uniformity	±1°C					
Timing Range	0~99h59min					
Power Rating	300W	350W	450W	500W	800W	1000W
Refrigerant	R134a					
Power Supply	AC 220V±10% , 50Hz±2%					
Continuous Operation	Long continuous operation					
Exterior Size(W×D×H)cm	61×62×150	74×71×157	75×75×173	86×75×182	113×93×198	101×90×224
Chamber Size(W×D×H)cm	45×42×93	58×51×93.5	59×55×116	70×55×125	96.5×61×137	95×70×160
Net/Gross weight (kg)	75/115	85/128	93/137	105/147	175/240	205/290

Performance parameters are tested under non-load conditions: ambient temperature is 20°C, relative humidity is 50% RH



Features

- Imported compressor, automatic control for hot and cold.
- Microprocessor temperature control with large LCD display, high precision.
- Polished stainless steel chamber, moveable shelves can be freely adjusted, easy for cleaning.
- Equipped with power supply outlet and lamp inside, easy observation.
- The chamber equipped with fan for forced convection.
- The surface coated, good appearance and maintenance.
- Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temperature control failed (for heating).
- RS485 connector to connect computer and printer, temperature and time data can be displayed on computer and print.

Options

- Multi-segment programmable control
- Built-in printer
- Φ25mm (50mm) test hole
- RS485/232 connector
- Wireless alarm system (SMS alarm system)

Specifications

Model	LBI-80	LBI-150	LBI-200	LBI-250	LBI-300	LBI-400
Chamber Volume (L)	80L	150L	200L	250L	300L	400L
Temperature Range	0~60 °C					
Display Resolution	0.1 °C					
Temperature Stability	Heating : ±0.5°C ; Cooling : ±1°C					
Temperature Uniformity	±1°C					
Timing Range	1~9999min					
Power Rating (W)	180	250	300	350	400	550
Refrigerant	R134a					
Power Supply	220±10%V, 50Hz					
Continuous Operation	Long continuous operation					
Chamber Size(W×D×H)cm	40×37×55	45×42×85	45×45×100	48×49×107	52×50×117	58×54×127
Exterior Size(W×D×H)cm	54×57×107	59×62×137	59×64×152	62×68×159	66×69×169	72×74×179
Package Size (W×D×H)cm	70×73×126	75×78×156	75×80×171	78×84×178	82×85×188	88×90×198
Net/Gross Weight (kg)	50/85	90/120	95/138	103/147	115/157	135/170



Features

- Imported international brand compressor with cooling system, effectively extend the life of the compressor.
- Imported brand humidity sensor, built-in tank heating humidification system, effectively ensuring the humidity deviation.
- Large LCD screen to display more data at same time. Menu-type operation interface, easy operation.
- Digital display for temperature and humidity , multi-segment program control technology, high precision.
- PID microprocessor ensures precise control for temperature and humidity .
- There are 99 cycles of program, each cycle is divided into 30 segments, each segment contains 99 hours and 99 minutes of cycle steps, it can happily meet almost all the complicated experiment process.
- Temperature -limiting alarm system ensures experiment runs safely. If the temperature exceeds the limit, the operation will be automatically stopped and alarm will prompt the operator.
- Polished stainless steel chamber , surface painted , adjustable shelves, easy for cleaning.
- Equipped with power supply and UV lamp for sterilization in chamber.
- Double door designed, tempered glass inner door for easy observation.
- JAKEL circulation fan, reasonable air duct structure, effectively guarantee the temperature stability inside the box.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed. (for heating).
- Equipped with UV sterilization device.

Options

- Built-in printer
- φ25mm (50mm) test hole
- Wireless alarm system (SMS alarm system)
- RS485 connector

Specifications

Model	LTH-175-N	LTH-275-N	LTH-375-N	LTH-475-N	LTH-800-N	LTH-1075-N
Chamber Volume	175L	275L	375L	475L	800L	1075L
Temperature Range	0~65 °C					
Display Resolution	0.1°C					
Temperature Stability	HIGH±0.5 °C、LOW±1 °C					
Temperature Uniformity	±1 °C					
Humidity Range	30~95%RH					
Power Consumption	1100W	1400W	1950W	2000W	2300W	2600W
Humidity Stability	±3%RH					
Refrigerant	R134a					
Electricity	AC 220V±10% , 50Hz±2%					
Continuous Operation	Long continuous operation					
Ambient Temperature	5~40°C					
Exterior Size(W×D×H)cm	61×62×150	74×71×157	75×75×173	86×75×182	113×93×198	101×90×224
Chamber Size(W×D×H)cm	45×42×93	58×51×93.5	59×55×116	70×55×125	96.5×61×137	95×70×160
Net/Gross weight (kg)	82/125	95/138	103/147	115/157	185/250	215/300

Performance parameters are tested under non-load conditions: ambient temperature is 20°C, relative humidity is 50% RH



Features

- Integrated with incubator and shaker to save space and cost.
- ABS shell, polished stainless steel chamber.
- Large LCD screen to display temperature and shaking speed.
- With operation data memory function to eliminate faulty operation.
- Auto-recovery after power interruption as originally programmed.
- Auto-stop operation when door is opened. Strong air spring rod with easy opening and closing.
- Brushless DC motor, more stable and reliable.
- Equipped with leakage protection.

Specifications

Model	LYZ-103B	LYZ-100B	LYZ-200B
Shaking Speed (rpm)	20-300rpm		
Speed accuracy (rpm)	±1rpm		
Swing amplitude (mm)	Φ26		
Standard configuration	100ml×9	50ml×4, 100ml×4 ,250ml×3, 500ml×3	50ml×5, 100ml×5 ,250ml×4, 500ml×3
Maximum capacity	50ml×12,100ml×9	50ml×20 or 100ml×16 or 250ml×12 or 500ml×9	100ml×20 or 250ml×16 or 500ml×12 or 1000ml×5 or 2000ml×4
Tray Size (mm)	295×253	400×370	450×410
Timing Range	1-9999min		
Temperature Range (°C)	RT+5 ~ 60°C	RT+5 ~ 60°C	4 ~ 60°C (Cooling)
Display Resolution (°C)	±0.1°C		
Temperature uniformity (°C)	±1°C		
Display	LCD		
Tray Included	1		
Exterior Size(W×D×H)mm	440×410×390	600×580×510	780×682×560
Package Size (W×D×H)mm	580×530×540	740×700×660	920×800×610
Net/Gross weight(kg)	31/41	72/88	100/125
Volume (W×D×H)mm	320×295×190	440×405×270	480×450×320
Power Rating	220W	320W	580W
Power Supply	AC 220 ~ 240V, 50 ~ 60Hz		



Features

- Integrated with incubator and shaker to save space and cost.
- High quality steel shell, polished stainless steel chamber.
- Large LCD screen to display temperature and shaking speed.
- With operation data memory function to eliminate faulty operation.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit as originally programmed after power is restored.
- Auto-stop operation when door is opened. Strong air spring rod with easy opening and closing.
- Brushless DC motor, more stable and reliable.
- With UV Sterilizer
- Equipped with leakage protection.

Specifications

Model	LYZ-111B	LYZ-211B	LYZ-111C	LYZ-211C
Shaking Speed (rpm)	20-300			
Speed Accuracy (rpm)	±1			
Swing Amplitude (mm)	Φ26			
Standard Configuration	500ml×28		2000ml×12	
Maximum Capacity	250ml×36 or 500ml×28 or1000ml×18		1000ml×18 or 2000ml×12 or 3000ml×8 or 5000ml×6	
Tray Size (mm)	920×510			
Timing Range	1~9999min			
Temperature Range (°C)	RT+5-60	4-60 (Cooling)	RT+5-60	4-60(Cooling)
Temperature Accuracy (°C)	±0.1			
Temperature Uniformity (°C)	±1			
Display	LCD			
Tray Included	1			
Exterior Size(W×D×H)mm	120×74×80		120×74×100	
Net Weight(kg)	160	174	168	183
Power Rating (W)	570	866	676	951
VolumeW×D×H(mm)	970×565×280 (155L)		970×565×480 (265L)	
Power Supply	AC220V±10% , 50-60Hz			



Features

- Integrated with incubator and shaker to save space and cost.
- High quality steel shell, polished stainless steel chamber.
- Unique slope design panel with large LCD display, better visual effect.
- With operation data memory and password locking function to eliminate faulty operation.
- Non-volatile memory saves settings during a power outage and automatically restarts the unit as originally programmed after power is restored.
- When the measured temperature deviates from set temperature by 3°C (can be set arbitrarily) will automatically stop heating and send out audible and visual alarms.
- LYZ-2102C, LYZ-2102, LYZ-2112B equips with strong and fast refrigeration system for instant cooling requirements, automatic defrost.
- The most advanced large torque motor to ensure continuous work without maintenance.
- With large view window and built-in lighting for easy observation.
- Low noise , luxury and beautiful appearance.
- Equipped with leakage protection.

Options

1. Universal Tray
2. Stainless steel flask clamp
(50ml,100ml,250ml,500ml,1000ml,,2000ml,3000ml,5000ml available)

Specifications

Model	LYZ-2102C (Single door)	LYZ-1102C (Single door)	LYZ-2102 (Double door)	LYZ-1102 (Double door)	LYZ-2112B (Double door)	LYZ-1112B (Double door)
Shaking Speed (rpm)	40-300					
Speed Accuracy (rpm)	±1					
Swing Amplitude (mm)	Φ26					
Standard Configuration	250ml×24		250ml×35 or 500ml×24		250ml×45 or 500×37	
Maximum Capacity	100ml×48 or 250ml×24 or 500ml×18 or 1000ml×12		250ml×70 or 500ml×48 or 1000ml×24 or 2000ml×8		250ml×90 or 500ml×74 or 1000ml×36 or 5000ml×8	
Tray Size (mm)	500×350		740×460		970×760	
Power Rating (W)	550	380	750	550	1420	1150
Temperature Range (°C)	4-60	RT+5-60	4-60	RT+5-60	4-60	RT+5-60
Temperature Accuracy (°C)	±0.1					
Temperature Uniformity (°C)	±1					
Timing Range	1-9999min					
Display	LCD					
Power Supply	AC220V ~ 240V±10% , 50 ~ 60HZ					
Tray Included	2					
Volume W×D×H(mm)	66×44×65 (170L)		84×52×64(280L)		109.5×62.5×85(582L)	
Exterior Size(W×D×H)mm	70×56×126		95×70×126		120×82×160	
Net Weight(kg)	165	140	240	220	425	456



Features

- Stackable up to three units for maximum space savings.
- PID microprocessor temperature controller with high accuracy.
- With timing function, freely set the culture time within 0~999.9 hours;
- With over temperature alarm function, automatic power off in abnormal condition.
- Auto-recovery after power outage or crash as originally programmed, avoiding data loss.
- Mirror stainless steel chamber, anti-corrosion and easy to clean, good appearance.
- With observation window, convenient to observe condition inside any time;
- Independent control of temperature and shaking speed for each layer or separately run different layer according to needs.
- The rocking plate can be freely pulled out, which is convenient for loading and unloading the flask.
- Imported high-quality compressor, fluorine-free refrigerants, low noise and good cooling effect, ensuring long time stable operation of equipment under low temperature.
- Large LCD screen display, easy operation.
- Auto-stop operation when door is opened, safe and convenient.
- With UV sterilization function;

Options

LCD touch screen is optional. It can display setting parameters for temperature, shaking speed, time and actual measured temperature, speed, remaining time on one interface for easy observation.

Specifications

Model	LYZ-D2403
Shaking Speed (rpm)	60~280
Speed Accuracy (rpm)	±1
Swing Amplitude (mm)	Φ28mm
Maximum Capacity	250ml×36 or 500ml×24 or 1000ml×15 or 2000ml×10
Tray Size (mm)	770×450
Timing Range	0~999(h)
Temperature Range (°C)	4~60°C (Ambient temperature : 25°C)
Temperature Accuracy (°C)	±0.1°C (Under constant temperature)
Temperature Uniformity (°C)	±1°C
Tray Included	1
Exterior Size(W×D×H)mm	1200×670×2100 (mm)
Power Rating(W)	2700
Power Supply	AC220V±10%, 50 ~ 60HZ

Thermostatic water tank



Features

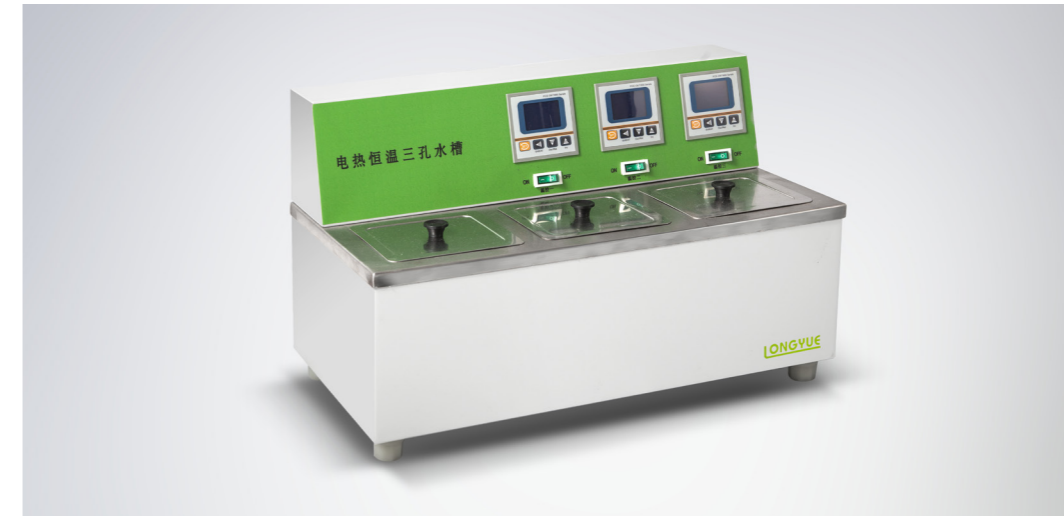
Microprocessor control with timing and temperature correction function.

- The shell is made of high quality steel plate ,surface coated.
- The chamber, frame and top cover are made of stainless steel.
- Between the inner and outer space are filled with high-quality insulation materials,anti-corrosive and good appearance.
- LCD display

Specifications

Model	LTT-600 (3 Usage)	LTT-420 (3 Usage)	LWT-600	LWT-420
Temperature Range (°C)	RT+5~100		RT+5~65	
Temperature Fluctuation (°C)	±0.5			
Temperature Uniformity(°C)	±0.5			
Power Supply	220V / 50Hz			
Power Rating (W)	2000±10%	1500±10%	500±10%	300±10%
Chamber Size (W×D×H)cm	60×30×15	42×18×11	60×30×15	42×18×11
Exterior Size (W×D×H)cm	74×38×39	58×27×26	75×38×37	57×26×27
Package Size (W×D×H)cm	81×48×48	65×35×34	81×48×47	65×34×34
Net/Gross Weight (kg)	19/33	11.5/13	19/33	11.5/13

LTF-8D Water Bath



Features

- Stainless steel chamber and top cover.
- 3 independent water tanks and temperature controls.Can separately set and control temperature.
- Freely set operating temperature, with alarm function.
- LCD display for set temperature and measured temperature .
- Equipped with leakage protection.

Specifications

Model	Power Supply	Temperature Range (°C)
LTF-8D	220V,50HZ	RT+5 ~ 99

Power Rating (W)	Temperature Range (°C)	Chamber Size (W×D×H)cm
800	±0.5	(14×16.8×11.5)×3

Exterior Size (W×D×H)cm	Package Size (W×D×H)cm	Net/Gross Weight (kg)
50×30×31	58×35×38	9/14



Features

- Unique air duct design, good temperature uniformity.
- Microprocessor controller (with temperature correction and timing function).
- Large LCD screen display.
- High quality stainless steel chamber, removable shelf, easy-to-clean.
- Silicon sealing ring for reliable sealing.
- With inner glass door for easy observation, open the outer door for observation will not affect the temperature inside.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed.
- Optional printer or RS485 interface which can print or connect computer to realize remote control and alarm.
- Anti-hot handle

Options

1. Multi-segment programmable control
2. Built-in printer
3. RS485 interface
4. UV sterilizer

Technical Parameters

1. Temp. range : RT+ 5°C ~66°C
2. Temp. fluctuation : ±0.5°C .
3. Temp. uniformity : ±1°C
4. Temp. resolution : 0.1°C
5. Power supply : AC 220V,50HZ

Specifications

Model	Exterior Size (W×D×H)cm	Chamber Size (W×D×H)cm	Package Size (W×D×H)cm	Shelf	Power Rating (W)	Net/Gross Weight (kg)
LI-360(Desktop)	64×50×60	35×35×35	75×63×77	2	450	40/60
LI-420(Desktop)	73×53×69	45×40×45	85×66×86	2	700	50/75
LI-500(Desktop)	78×69×80	50×50×55	90×76×98	2	850	75/110
LI-600(Desktop)	88×73×95	60×60×70	100×86×110	2	1200	100/140
LI-9020F (For home)	38×42.5×45	23×32×25	45×50×54	2	200	16/18
LI-9022 (Vertical)	38×35×62	25×25×32	46×45×67	2	150	25/30
LI-9032 (Vertical)	43×40×65	30×30×35	51×50×70	2	180	28/34
LI-9052 (Vertical)	48×46×73	35×35×41	55×53×76	2	250	32/38
LI-9082 (Vertical)	53×50×83	40×40×50	68×58×85	2	300	45/55
LI-9162 (Vertical)	63×60×97	50×50×65	70×68×100	3	450	65/78
LI-9272 (Vertical)	73×70×107	60×60×75	80×78×120	3	600	88/105



Features

- Horizontal forced air type, good temperature uniformity.
- Microprocessor controller (with temperature correction and timing function), accurate and reliable.
- Large LCD screen display.
- High quality stainless steel chamber, removable shelf, easy-to-clean.
- Equipped with multiple sets of heaters. (For LDO-101 Series)
- Adopt temperature selection switch which can select the grade according to the heating speed and operating temperature. (For LDO-101 Series)
- Silicon sealing ring for reliable sealing.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp. control failed.
- Optional printer or RS485 interface which can print or connect computer for remote control and alarm.
- Anti-hot handle

Technical Parameters

1. Temp. fluctuation: ±1°C .
2. Temp. uniformity: ±2.5°C %.
3. Temp. resolution : 0.1°C
4. Timer : 1~9999m

Options

1. Multi-segment programmable control
2. Built-in Printer
3. RS485 interface

Specifications

Model	Volume (L)	Chamber Size (W×D×H)cm	Exterior Size (W×D×H)cm	Package Size (W×D×H)cm	Power Rating (W)	Temp. Range (°C)	Shelf	Net/Gross Weight (kg)	Power Supply	Shape
LDO-101-0	43	35×35×35	64×50×60	75×63×77	1300	RT+5 ~ 300	2	40/60	AC 220V, 50HZ	Horizontal
LDO-101-1	81	45×40×45	73×53×69	85×66×86	2000		2	55/85		
LDO-101-2	138	50×50×55	78×69×80	90×76×98	2500		2	80/115		
LDO-101-3	252	60×60×70	88×73×95	100×86×110	3500		2	110/150		
LDO-101-4	640	80×80×100	108×93×125	120×108×143	5500		3	170/250		
LDO-101-5	960	100×80×120	128×98×145	142×108×165	7000	3	250/340	AC 380V		
LDO-9023A	25	30×30×28	58×50×45	70×60×60	320	RT+5 ~ 200	2	29/36	AC 220V, 50HZ	Horizontal
LDO-9053A	54	42×37×35	71×56×42	82×66×69	600		2	35/43		
LDO-9123A	138	50×50×55	83×61×72	95×76×98	1200		2	45/55		
LDO-9203A	252	60×60×70	88×78×82	98×78×95	1600		2	60/69		
LDO-9030A	31.5	30×30×35	45×47×70	53×53×77	700		2	29/37		
LDO-9070A	72	40×40×45	55×60×80	59×61×84	1000	RT+5 ~ 200	2	45/52	AC 220V, 50HZ	Vertical
LDO-9140A	136	45×55×55	64×73×90	65×76×94	1600		2	45/56		
LDO-9240A	225	50×60×75	88×72×93	83×86×123	2000		2	62/70		
LDO-9420A	429	60×55×130	78×71×170	93×81×178	2600		3	130/153		
LDO-9620A	624	80×60×130	98×80×178	113×86×188	3600		3	168/186		
LDO-9036A	31.5	30×30×35	45×47×70	53×53×77	950	RT+5 ~ 300	2	29/37	AC 220V, 50HZ	Vertical
LDO-9076A	72	40×40×45	55×60×80	59×61×84	1400		2	40/50		
LDO-9146A	136	45×55×55	64×73×90	65×76×94	2000		2	45/56		
LDO-9246A	225	50×60×75	69×77×114	83×86×123	2600		2	62/70		
LDO-9426A	429	60×55×130	78×71×170	93×81×178	3500		3	130/153		
LDO-9626A	624	80×60×130	103×80×178	113×86×188	5700	3	168/186	AC 380V, 50HZ		



Features

- High quality stainless steel chamber,safe and easy-to-clean.
- Microprocessor controller with LCD display, accurate and reliable.
- Equipped with multiple sets of heaters.
- Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp.control failed.
- Adopt temperature selection switch which can select the grade according to the heating speed and operating temperature.
- Convenient operation for air inlet,reasonable air duct structure,good temperature uniformity.
- With inner glass door for easy observation.
- Anti-hot handle

Technical Parameters:

1. Temp. range : RT+10°C -300°C
2. Temp. fluctuation : ±1°C .
3. Temp. resolution : 0.1°C
4. Temp. uniformity : ≤ Max. Temp.±3.5°C %.
5. Power supply : 220V,50HZ

Options:

1. Multi-segment programmable control
2. Built-in printer
3. RS485 interface

Specifications

Model	Package Size (L×W×H)cm	Exterior Size (L×W×H)cm	Chamber Size (L×W×H)cm	Power Rating(W)	Shelf	Net/Gross Weight (kg)
LDO-300	75×63×77	64×50×60	35×35×35	1300	2	35 / 55
LDO-400	85×66×86	73×53×69	45×40×45	2000	2	50 / 80
LDO-500	90×76×98	78×69×80	50×50×55	2500	2	75 / 110
LDO-600	100×86×110	88×73×95	60×60×70	3500	2	110 / 150



Features

- Equipped with far-infrared heating radiator, temperature control.
 - Microprocessor controller(with temperature correction and timing function).
 - Large LCD screen display.
 - High quality stainless steel chamber, removable shelf, easy-to-clean.
 - Equipped with multiple sets of heaters.
 - Adopt temperature selection switch which can select the grade according to the heating speed and operating temperature.
 - Convenient operation for air inlet,reasonable air duct structure,good temperature uniformity.
 - Silicon sealing ring for reliable sealing.
 - With inner glass door for easy observation.
 - Equipped with leakage protection.
- Equipped with spare temperature control which ensures the product work normally even the main temp.control failed.
 - Optional printer or RS485 interface which can print or connect computer for remote control and alarm.
 - Anti-hot handle

Technical Parameters

1. Temp. range : RT+10°C -300°C
2. Temp. fluctuation : ±1°C .
3. Temp. resolution : 0.1°C
4. Temp. uniformity : ≤ Max. Temp.±3.5°C %.

Options

1. Multi-segment programmable control
2. Built-in printer
3. RS485 interface

Specifications

Model	Exterior Size (W×D×H) cm	Chamber Size (W×D×H) cm	Package Size (W×D×H) cm	Power Rating (W)	Net/Gross Weight (kg)	Shelf	Temp. Range (°C)	Power Supply
LIO-300	64×50×60	35×35×35	75×57×84	1400	36 / 56	2	RT+5~250	220V, 50Hz
LIO-400	73×53×69	45×40×45	86×60×90	2000	51 / 81	2		
LIO-500	78×69×80	50×50×55	96×70×100	2800	76 /111	2		
LIO-600	88×73×95	60×60×70	106×80×110	4000	111/151	2		

Features

- Microprocessor controller with LCD display, more accurate and reliable.
- Polished stainless steel chamber, durable and easy to clean.
- Tempered, bullet-proof double glass door ensure the safety of operator and clear observation of the chamber.
- Door tightness can be adjusted, silicon sealing. To keep vacuum states in the chamber, can fill working chamber with inert gas (inflation pressure ≤ 0.1 MPa).
- Storage, heating, testing and drying can be performed in the environment without oxygen or in an inert atmosphere. It will not cause oxidation.
- Equipped with leakage protection.

Options

- Microprocessor controller
- Built-in printer
- RS485 connector
- Inert gas inlet valve
- Small vacuum pump (6020, 6050)
- Large vacuum pump (6090, 6210)



Specifications

Model	LVO-1B(6050)	LVO-0B(6020)	LVO-6090	LVO-6210	LVO-6933
Power Supply	AC 220V, 50Hz				
Power Rating (KW)	1.4	0.5	1.6	2.2	5.5
Temperature Range (°C)	RT+5 ~ 250	RT+5 ~ 200			
Temperature Fluctuation (°C)	±1				
Display Resolution (°C)	0.1				
Vacuum Pressure	<133 Pa				
Chamber Size (W×D×H)cm	42×35×37	30×30×28	45×45×45	56×60×64	75.5×116×115
Exterior Size (W×D×H)cm	71×59×53	58×57×45	61×66×145	72×82×175	93×130×182
Package Size ((W×D×H)cm	82×70×69	70×64×60	78×76×163	89×92×193	120×145×200
Net/Gross Weight (kg)	75/106	35/50	90/145	145/195	550/600



Features

- Microprocessor controller with LCD display, more accurate and reliable.
- Polished stainless steel chamber, durable and easy to clean.
- Tempered, bullet-proof double glass door ensure the safety of operator and clear observation of the chamber.
- Door tightness can be adjusted, silicon sealing. To keep vacuum states in the chamber, can fill working chamber with inert gas (inflation pressure ≤ 0.1 MPa).
- Storage, heating, testing and drying can be performed in the environment without oxygen or in an inert atmosphere. It will not cause oxidation.
- Vacuum degree is full-automatic controlled by microcomputer
- Equipped with leakage protection.

Options

1. Multi-segment programmable control
2. Built-in printer
3. RS485 interface
4. Inert gas inlet valve
5. Vacuum pump

Specifications

Model	LVO-6050LC	LVO-6090 LC	LVO-6210 LC
Power Supply	AC 220V, 50Hz		
Power Rating (KW)	1.4	1.6	2.2
Temperature Range (°C)	RT+5 ~ 250	RT+5 ~ 200	
Temperature Fluctuation (°C)	±1		
Display Resolution (°C)	0.1		
Vacuum Degree	<133 Pa		
Chamber Size (W×D×H)cm	42×35×37	45×45×45	56×60×64
Exterior Size(W×D×H)cm	53×56×137	61×66×145	72×82×175
Package Size (W×D×H)cm	70×66×155	78×76×163	89×92×193
Net/Gross Weight (kg)	75/106	90/145	145/195



Features

- Vertical type, special designed table top, effectively prevent the external air into the cleaning work chamber and ensure the safety of the operator.
- Stainless steel board, Large LCD screen to display air flow, working time, pressure difference, working status, etc.
- High efficient ironclad centrifugal fan with the features of stable work and low noise.
- Spring-type sliding door, can be positioned freely within the specified range.



Features

- Horizontal type, stainless steel board, easy to clean.
- Large LCD screen to display air flow, working time, pressure difference, working status, etc.
- High efficient ironclad centrifugal fan with the features of stable work and low noise.
- Spring-type sliding door, can be positioned freely within the specified range.

Specifications

Model	LCB-1F LCB-1FD	LCB-2F LCB-2FD	LCB-1300VU
Applicable Station	1F:one person two side 1FD : one person one side	2F : two person two sides 2FD : two person one side	two person one side
Airflow Direction	Vertical		
Clean Level	Class 100@ ≥ 0.5um (U.S.Federal 209E)		
Wind speed	0.3~0.6m/s (Recommended speed: 0.5m/s)		
Colony Count	≤ 0.5/vessel (Petri dish: φ90mm)		
Noise Level	≤ 62dB (A)		
Power Supply	AC220V/50Hz		
Illumination Intensity	≥ 300Lx		
Vibration Semi-Peak Value	≤ 3um	≤ 5um	≤ 4um
Maximum Power	0.4Kw	0.8Kw	0.8Kw
N.W. / G. W. (Kg)	80/130	130/210	130/210
Interior Size(W*D*H)cm	87*70*52	136*70*52	112*65*72
Exterior Size (W*D*H)cm	99*72*166	148*72*166	136*80*180
Package Size (W*D*H)cm	114*86*186	164*86*186	144*94*191
HEPA Filter	820×600×50 one pc	1310×600×50 one pc	610×610×50 two pcs
Fluorescent lamp	20W*1	20W*2	30W*1
UV lamp	20W*1	20W*2	30W*1

Specifications

Model	LCB-1BU	LCB-1CU	LCB-840U	LCB-1300HU
Applicable Station	one person one side	two person one side	one person two side	two person one side
Airflow Direction	Horizontal			
Clean Level	Class 100@ ≥ 0.5um (U.S. Federal 209E)			
Wind Speed	0.32 ~ 0.66m/s (Recommended speed : 0.3m/s)			
Noise Level	≤ 65dB (A)			
Vibration Semi-Peak Value	≤ 3um	≤ 5um	≤ 3um	≤ 4um
Illumination Intensity	≥ 300Lx			
Power Supply	AC 220V/50Hz			
Power Rating(KW)	0.4	0.8	0.4	0.8
N.W. / G. W. (Kg)	80/130	130/210	80/130	130/210
Interior Size(W*D*H)cm	82×48×60	168×48×60	72×65×57	118×65×57
Exterior Size (W*D*H)cm	90×72×146	175×72×146	84×82×143	130×82×143
Package Size (W*D*H)cm	100×84×163	189×84×163	98×94×160	144×94×160
HEPA Filter	820×600×50 one pc	820×600×50 two pcs	760×610×50 one pc	610×610×50 two pcs
Note	With UV lamp			



Features

- Dual refrigeration system.
- Imported compressor with self-developed compressor cooling system, extend service life of the compressor.
- Imported humidity sensor, ensuring high accuracy of humidity.
- PID control for temperature and humidity, more accurate,easy menu operation interface.
- Over-temperature alarm system:automatically stop working when exceeded the limit temperature and send out audible and visual alarm,ensure experiments run safely.
- Large LCD screen to display more data at same time.
- Newest multi-segment programmable control technology for temperature and humidity, high precision.With multiple programs and multiple cycles, each cycle is divided into 30 segments, each segment contains 99 hours and 99 minutes of cycle steps, it can happily meet almost all the complicated experiment process.
- Equipped with JAKEL circulation fan ,unique designed air duct for good air circulation, ensuring good temperature uniformity inside.
- Equipped with built-in stainless steel water tank at the bottom of equipment to supply water by pump for the humidification tank.
- Equipped with spare temperature control which ensures the product work normally even the main temp.control failed(for heating).
- Equipped with printer which can record and print the operating parameters at any time.

- Mirror stainless steel chamber, adjustable shelf.
- The chamber is equipped with a power socket and UV lamp for sterilization.
- Double door design. Tempered glass inner door for clear observation. The outer door adopts magnetic seal design, good sealing performance.

Safety Device

- Over temperature protection
- Compressor over current protection
- Over compressing protection
- Water shortage protection
- Heater overheat protection
- Audible and visual alarm system

Specifications

Model	LDS-175Y-N/ LDS-175T-N LDS-275Y-N / LDS-275T-N LDS-375Y-N / LDS-375T-N LDS-475Y-N / LDS-475T-N LDS-800Y-N / LDS-800T-N LDS-1075Y-N / LDS-1075T-N	LDS-175GY-N / LDS-175GT-N LDS-275GY-N / LDS-275GT-N LDS-375GY-N / LDS-375GT-N LDS-475GY-N / LDS-475GT-N LDS-800GY-N / LDS-800GT-N LDS-1075GY-N / LDS-1075GT-N	LDS-175HY-N LDS-275HY-N LDS-375HY-N LDS-475HY-N LDS-800HY-N LDS-1075HY-N
	Temperature & Humidity	Temperature & Humidity & Light	Temperature & Light
Temperature Range(°C)	0~65	Without Illumination: 4~50 With Illumination: 10~50	
Temperature Fluctuation	±0.5		
Temperature Uniformity (°C)	±2		
Humidity Range(RH)	30~95%		None
Humidity Stability(RH)	±3		
Temperature Resolution(°C)	0.1		
Illumination(LX)	None	0~6000 adjustable	
Illumination Difference((LX)	≤ ±500		
Timing Range	1~99 hours/period		
Temp.and Humidity adjusting	Balance temperature and humidity adjusting		Balance temperature adjusting
Cooling System	Imported compressor		
Controller	Y: Programmable (LCD display) T: Programmable (touch screen)	GY: Programmable (LCD display) GT: Programmable (touch screen)	HY:Programmable (LCD display)
Sensor	PT100 Capacitance sensor		PT100
Ambient Temperature	RT+5~30°C		
Power Supply	AC 220V±10% ,50HZ		
Power Rating(W)	1400/1950/2600/ 2800/3000/3200	1650/2200/2700/ 2900/3100/3300	1300/1750/2400/ 2600/2700/2800
Chamber Volume(L)	175,275,375,475,800,1075		
Chamber Size(W×D×H)mm	450×420×930 700×550×1250	580×510×935 965×610×1370	590×550×1160 950×700×1600
Shelf	3		
Printer	Yes		
Safety Device	Compressor overheating and over pressure protection , Fan overheating protection, Over temperature protection, Overload protection,water shortage protection		