LABO-HUB

Biological Culture
& Heating & Drying

Anaerobic Incubator

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℃
Temperature Stability	< ±0.3℃
Temperature Uniformity	< ±1℃
Display Resolution	0.1℃
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

Anaerobic Incubator

Features

- Microprocessor controller ,large color touch screen,accurately control the temperature and gas in incubator,easy operation.

- The system adopts 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℃
Temperature Stability	< ±0.3℃
Temperature Uniformity	< ±1 ℃
Display Resolution	0.1℃
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

CO^2 Incubator

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 CO_2 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, unaspirated, 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 CO_2 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（℃）	RT+3 ～ 60	
Temperature Stability（℃）	≤±0.2	
Temperature Uniformity（℃）	≤±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 Szie(W×D×H)cm	64×68×103	70×78×118
Net/Gross Weight（kg）	55/85	75/110

CO² Incubator

CO_2 Incubator is widely used in modern medicine, biology,chemistry and agriculture science for the culture of biological cells, tissues and bacterial.

Features

· Microcomputer control,Large touch screen, accurate and easy for operation.

· Imported infrared sensor and gold-plated probes to ensure accuracy,the life time of sensor is up to 15 years.

· Adopting PID control technology,the CO_2 concentration can be freely set within range of 0 to 20%, alarm for over concentration and concentration rise too slow.

· 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 CO_2 concentration inside.

· When door opened,the fan will automatically turned off (WJ-3 turn off the CO_2 intake valve at same time) and heating will be stopped to reduce the pollution caused by the entry of air.

· 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, unaspirated, 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 .

Specifications

Model	WJ-3	WJ-3-160
Chamber Volume （L）	80	160
Temperature Range （℃）	RT+3 ～ 60	
Temperature Stability （℃）	≤±0.2	
Temperature Uniformity （℃）	≤±0.3	
Timing Range	1 ～ 9999min or without timing	
CO_2 Range	0 ～ 20%	
CO_2 Control Accuracy	± 0.1%(Imported sensor)	
Humidity Method	Natural Vaporization	
Power Supply	AC220V,50HZ	
Power Rating （W）	6600	900
Chamber Size (W×D×H)cm	40*40*50	50×50×65
Exterior Size （(W×D×H)cm	57*59*93	69×69×100
Net/Gross Weight （kg）	555/85	75/110
Alarm function	Over heating, damage for temperature probe ,water shortage	

Shaking Incubator

LYZ-103B/100B

LYZ-200B

Standard

Optional

Features

· Imported brand compressor（LYZ-200B）.

· 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 （℃）	RT+5 ～ 60℃	RT+5 ～ 60℃	4 ～ 60℃ (Cooling)
Display Resolution （℃）	±0.1℃		
Temperature uniformity （℃）	±1℃		
Display	LCD		
Tray Included	1		
Exterior Size(W×D×H)mm	440×410×390	600×580×510	880×678×695
Package Size (W×D×H)mm	580×530×540	740×700×660	900×860×760
Net/Gross weight(kg)	31/41	72/88	81/113
Volume (W×D×H)mm	320×295×190 （18L）	440×405×270 （48L）	540*500*370(100L)
Power Rating	220W	320W	720W
Power Supply	AC 220 ～ 240V, 50 ～ 60Hz		

Shaking Incubator

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 （℃）	RT+5-60	4-60 (Cooling)	RT+5-60	4-60(Cooling)
Temperature Accuracy （℃）	±0.1			
Temperature Uniformity （℃）	±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			

Shaking Incubator

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℃ (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 (℃)	4-60	RT+5-60	4-60	RT+5-60	4-60	RT+5-60
Temperature Accuracy (℃)	±0.1					
Temperature Uniformity (℃)	±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

Shaking Incubator

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 （℃）	4~60℃ （Ambient temperature : 25℃）
Temperature Accuracy （℃）	±0.1℃ （Under constant temperature）
Temperature Uniformity （℃）	±1℃
Tray Included	1
Exterior Size(W×D×H)mm	1200×670×2100 （mm）
Power Rating(W)	2700
Power Supply	AC220V±10%, 50～60HZ

Heating Incubator

Vertical Type

Desktop Type

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

Technical Parameters

1. Temp. range：RT+ 5℃ ~66℃

2. Temp. fluctuation：±0.5℃ .

3. Temp. uniformity：±1℃

4. Temp. resolution：0.1℃

5. Power supply：AC 220V,50HZ

Options

1. Multi-segment programmable control

2. Built-in printer

3. RS485 interface

4. UV sterlizer

Specifications

Model	Volume(L)	Chamber Size (W×D×H)cm	Package Size (W×D×H)cm	Shelf	Power Rating (W)	Net/Gross Weight (kg)
LI-360 (Desktop)	43	35×35×35	75×63×77	2	450	40/60
LI-420 (Desktop)	81	45×40×45	85×66×86	2	700	50/75
LI-500 (Desktop)	138	50×50×55	90×76×98	2	850	75/110
LI-600 (Desktop)	252	60×60×70	100×86×110	2	1200	100/140
LI-9020F （For home)	18	23×32×25	45×50×54	2	200	16/18
LI-9022 （Vertical)	20	25×25×32	46×45×67	2	150	25/30
LI-9032 （Vertical)	30	30×30×35	51×50×70	2	180	28/34
LI-9052 （Vertical)	50	35×35×41	55×53×76	2	250	32/38
LI-9082 （Vertical)	80	40×40×50	68×58×85	2	300	45/55
LI-9162 （Vertical)	160	50×50×65	70×68×100	3	450	65/78
LI-9272 （Vertical)	270	60×60×75	80×78×120	3	600	88/105

Forced Air Drying Oven

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℃ .
2. Temp. uniformity:±2.5℃ %.
3. Temp. resolution：0.1℃
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 (℃)	Shelf Std./Max	Net/Gross Weight (kg)	Power Supply	Shape
LDO-101-0	43	35×35×35	64×50×60	75×63×77	1300	RT+5 ~ 300	2/4	40/60	AC 220V, 50HZ	Horizontal
LDO-101-1	81	45×40×45	73×53×69	85×66×86	2000		2/6	55/85		
LDO-101-2	138	50×50×55	78×69×80	90×76×98	2500		3/7	80/115		
LDO-101-3	252	60×60×70	88×73×95	100×86×110	3500		3/10	110/150		
LDO-101-4	640	80×80×100	108×93×125	120×108×143	5500		4/15	170/250	AC 380V	
LDO-101-5	960	100×80×120	128×98×145	142×108×165	7000		5/18	250/340		
LDO-9023A	25	30×30×28	58×50×45	70×60×60	320	RT+5 ~ 200	2/4	29/36	AC 220V, 50HZ	Horizontal
LDO-9053A	54	42×37×35	71×56×42	82×66×69	600		2/5	35/43		
LDO-9123A	138	50×50×55	83×61×72	95×76×98	1200		3/7	45/55		
LDO-9203A	252	60×60×70	88×78×82	98×78×95	1600		3/10	60/69		
LDO-9030A	31.5	30×30×35	45×47×70	53×53×77	700	RT+5 ~ 200	2/5	29/37	AC 220V, 50HZ	Vertical
LDO-9070A	72	40×40×45	55×60×80	59×61×84	1000		2/7	45/52		
LDO-9140A	136	45×55×55	64×73×90	65×76×94	1600		3/8	45/56		
LDO-9240A	225	50×60×75	88×72×93	83×86×123	2000		3/11	62/70		
LDO-9420A	429	60×55×130	78×71×170	93×81×178	2600		4/6	130/153	AC 380V, 50HZ	
LDO-9620A	624	80×60×130	98×80×178	113×86×188	3600		5/6	168/186		
LDO-9036A	31.5	30×30×35	45×47×70	53×53×77	950	RT+5 ~ 300	2/5	29/37	AC 220V, 50HZ	
LDO-9076A	72	40×40×45	55×60×80	59×61×84	1400		2/7	40/50		
LDO-9146A	136	45×55×55	64×73×90	65×76×94	2000		3/8	45/56		
LDO-9246A	225	50×60×75	69×77×114	83×86×123	2600		3/11	62/70		
LDO-9426A	429	60×55×130	78×71×170	93×81×178	3500		4/6	130/153	AC380V, 50HZ	
LDO-9626A	624	80×60×130	103×80×178	113×86×188	5700		5/6	168/186		

Vacuum Drying Oven

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 （℃）	RT+5 ～ 250	RT+5 ～ 200			
Temperature Fluctuation （℃）	±1				
Display Resolution （℃）	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
Volume(L)	54	25	91	215	1007
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

Vacuum Drying Oven

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 $\leqq$ 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（℃）	RT+5 ～ 250	RT+5 ～ 200	
Temperature Fluctuation（℃）	±1		
Display Resolution（℃）	0.1		
Vacuum Degree	<133 Pa		
Chamber Size (W×D×H)cm	42×35×37	45×45×45	56×60×64
Volume(L)	54	91	215
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

Biochemical Incubator

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 ℃					
Display Resolution	0.1 ℃					
Temperature Stability	Heating：±0.5℃；Cooling：±1℃					
Temperature Uniformity	±1℃					
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

Biochemical Incubator

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 ℃					
Display Resolution	0.1℃					
Temperature Stability	±0.5℃					
Temperature Uniformity	±1℃					
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

Constant Temperature & Humidity Chamber

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 ℃					
Display Resolution	0.1℃					
Temperature Stability	HIGH±0.5 ℃、LOW±1 ℃					
Temperature Uniformity	±1 ℃					
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℃					
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

Growth Chamber

Features

· Adopt imported fluorine-free compressor, environment friendly and reliable.

· Adopt imported brand humidity sensor, with self-designed built-in water tank and electric heating humidifying system, ensuring high accuracy for humidity.

· Double door design, the inner door is made of tempered glass, can directly observe the culture in the working chamber. the outer door is magnetically sealed.

· Large LCD screen

· Adopt mirror stainless steel inner tank, shelves inside the chambers can be freely adjustable without tool, convenient for disinfection and cleaning.

· The left bottom side is equipped with detachable water level sensor to control the humidifying of tank, which is convenient for operators to check and repair.

· 3 sides light and 6 levels can be adjusted

Specifications

Model	LAC-175-N	LAC-275-N	LAC-375-N	LAC-475-N	LAC-800-N	LAC-1075-N
Chamber Volume(L)	175	275	375	475	800	1075
Temperature range （℃）	With light:10 ～ 55℃ Without light:5 ～ 55℃					
Temperature Stability	≦ ±1.5 ℃					
Display Resolution	0.1 ℃					
Temperature Uniformity	≦ ±2 ℃					
Humidity Range	30~95%RH					
Humidity Deviation	±3%RH					
light Intensity	0~10000LX	0-15000LX	0-20000LX	0-23000LX	0-25000LX	0-25000LX
Program Control	Separately set for temperature and light, can set 30-segment program, each section can be set from 1 to 99 hours.					
Power Rating	860W	1700W	2100W	4000W	5000W	6000W
Power Supply	AC220V, 50HZ					
Ambient Temperature	+5 ～ 35℃					
Working	Long continuous operation					
Chamber Size(W×D×H)cm	45*42*93	58*51*93.5	59*55*116	70*55*125	96*61*137	95*70*160
Exterior Size(W×D×H)cm	61*62*150	74*71*157	75*75*173	86*75*182	113*93*198	101*90*224
Shelf （Standard）	3pcs					

Medicine Stability Testing Chamber

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

Medicine Stability Testing Chamber

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(℃)	0~65	Without Illumination: 4~50 With Illumination: 10~50	
Temperature Fluctuation	±0.5		
Temperature Uniformity (℃)	±2		
Humidity Range(RH)	30~95%		None
Humidity Stability(RH)	±3		
Temperature Resolution(℃)	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℃		
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	450×420×930 580×510×935 590×550×1160 700×550×1250 965×610×1370 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		

Water Bath

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 (℃)	RT+5~100		RT+5~65	
Temperature Fluctuation (℃)	±0.5			
Temperature Uniformity(℃)	±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
Volume(L)	27	8	27	8
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 (℃)
LTF-8D	220V,50HZ	RT+5 ～ 99
Power Rating （W）	**Temperature Range (℃)**	**Chamber Size (W×D×H)cm**
800	±0.5	(14×16.8×11.5)×3
Volume(L)	**Package Size (W×D×H)cm**	**Net/Gross Weight （kg）**
8	58×35×38	9/14

Water Bath
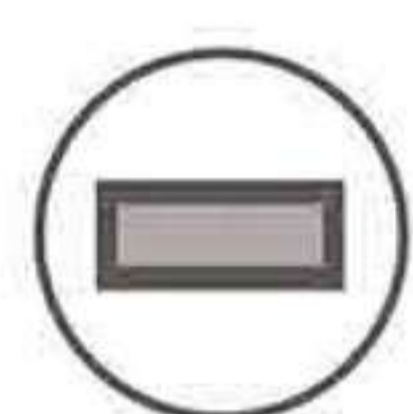
Digital display thermostatic		High precise temperature control
Stainless steel a molding tank		High corrosion resistance

TECHNICAL DATA

Model	BHS-1	BHS-2	BHS-4	BHS-6
Temperature range	Room temp-99.9℃			
Power	300W	600W	800W	1200W
Accuracy	0.1℃			
Working chamber size	16*16*13CM	30*15*14CM	30*30*14CM	45*30*13CM

Desktop Freeze Dryer
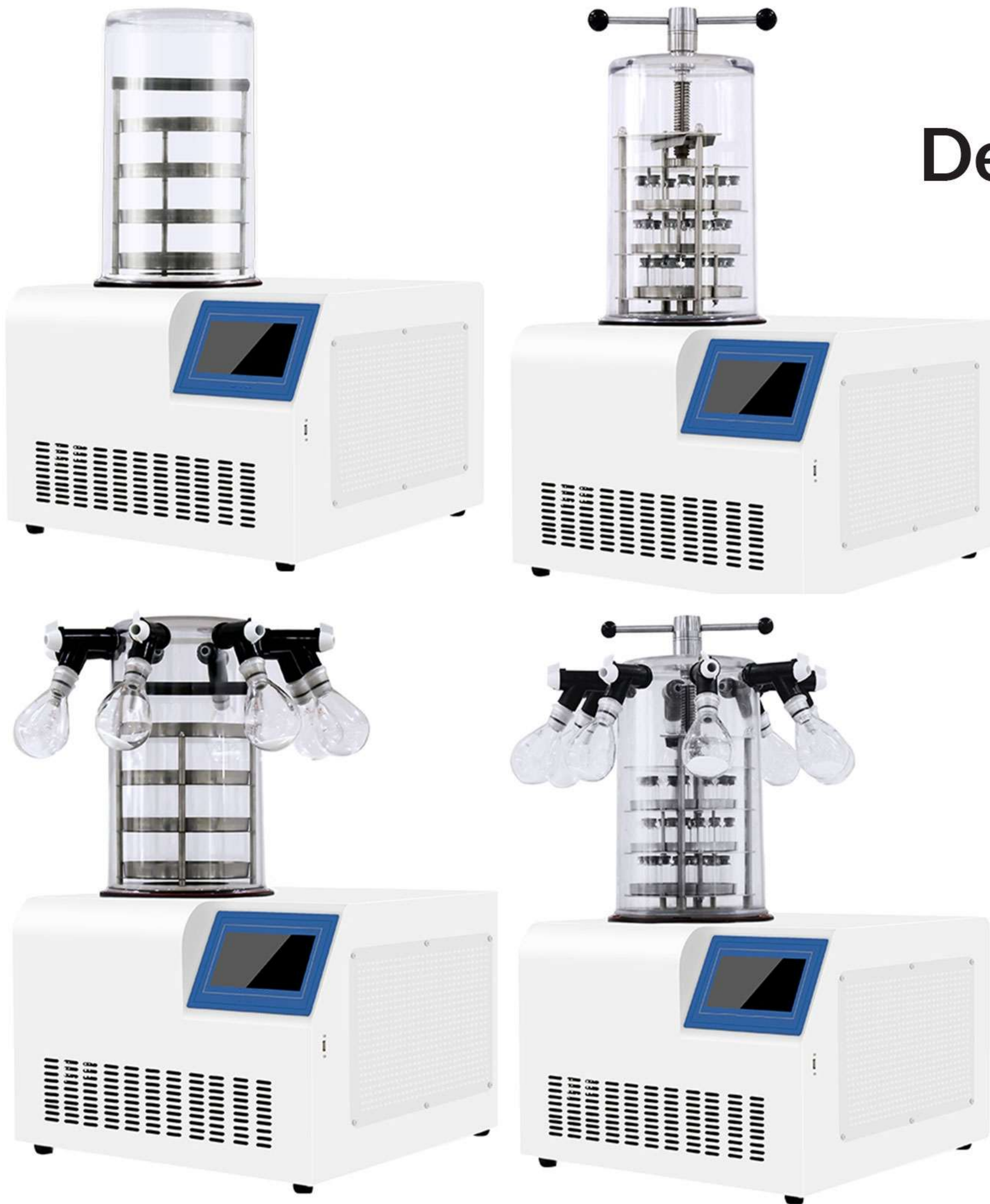
Application

The desktop freeze dryer series is divided into four types:
ordinary type:
manual gland type,
multi-manifold type,
gland multi-manifold type.

It is a new drying method that uses the sublimation performance of water under low temperature and low pressure conditions to dehydrate the material at low temperature and achieve drying.

Features

➢ Rapid cooling, uniform temperature on the inner wall of the cold trap, professional gas diversion technology, good water replenishment effect;

➢ Adopt brand compressor, single machine mixed environmental protection refrigeration technology;

➢ Equipped with cold trap sample pre-freezing function, no need for ultra-low temperature refrigerator or liquid nitrogen treatment;

➢ 7-inch color LCD touch screen, friendly human-computer interaction interface, equipped with lock screen function, and optional mobile phone and computer remote control;

➢ The main interface of the display screen is simple and clear, showing parameters such as cold trap temperature, vacuum degree, sample temperature, running time, etc. The operation is simple and direct, and the management authority for misoperation is also set;

➢ With data viewing, exporting and deleting functions, freeze-dried data is automatically saved, which can effectively prevent data loss, and also supports USB data export;

➢ Supports lyophilization of ampoules, vials, glass flasks, plasma vials or trays;

➢ The cold trap has the independent pre-freezing function of the sample in the early stage, and is equipped with a defrosting function;

➢ Built-in maintenance reminder function to remind users of instrument maintenance;

➢ With vacuum alarm function, it can timely remind users whether the vacuum degree is

normal;

➢ Equipped with high-precision micro-adjustment vacuum valve, which can realize micro-adjustment of vacuum degree;

➢ The vacuum connection pipe is made of stainless steel anti-corrosion material, and comes with standard KF25 vacuum clamp.

Technical Specification

Model	HXLG-10-50B	HXLG-10-50G	HXLG-10-50D	HXLG-10-50DG
Style	ordinary type	manual gland type	multi-manifold type	gland multi-manifold type
Freeze-Dried Area(㎡)	0.12	0.08	0.12	0.08
Vial Quantity Φ12mm	920	560	920	560
Vial Quantity Φ16mm	480	285	480	285
Vial Quantity Φ22mm	260	165	260	165
Cold Trap Temperature(℃)	-60	-60	-60	-60
Water Replenishment (kg/lot)	4	4	4	4
Standard Vacuum (pa)	≤5(no-load）	≤5(no-load）	≤5(no-load）	≤5(no-load）
Ultimate Vacuum (pa)	2	2	2	2
Material Tray	200mm 4 layers	180mm 3 layers	200mm 4 layers	180mm 3 layers
Total Power(W)	680	680	680	680
Host Weight(kg)	70	70	70	70
Dimensions(mm)	600*558*390	600*558*390	600*558*390	600*558*390
Power Supply	AC220V 50HZ	AC220V 50HZ	AC220V 50HZ	AC220V 50HZ
Use Environment(℃)	≤30	≤30	≤30	≤30
Running Noise	≤55	≤55	≤55	≤55
Accessories	Vacuum pump, 2 KF25 clamps, 1 KF vacuum hose			

Product Structure

VACUUM HOOD

RACK

SWITCH

SEALING RING

TOUCH SCREEN

SUCTION HOLE

AIR VENT

RELEASE VALVE