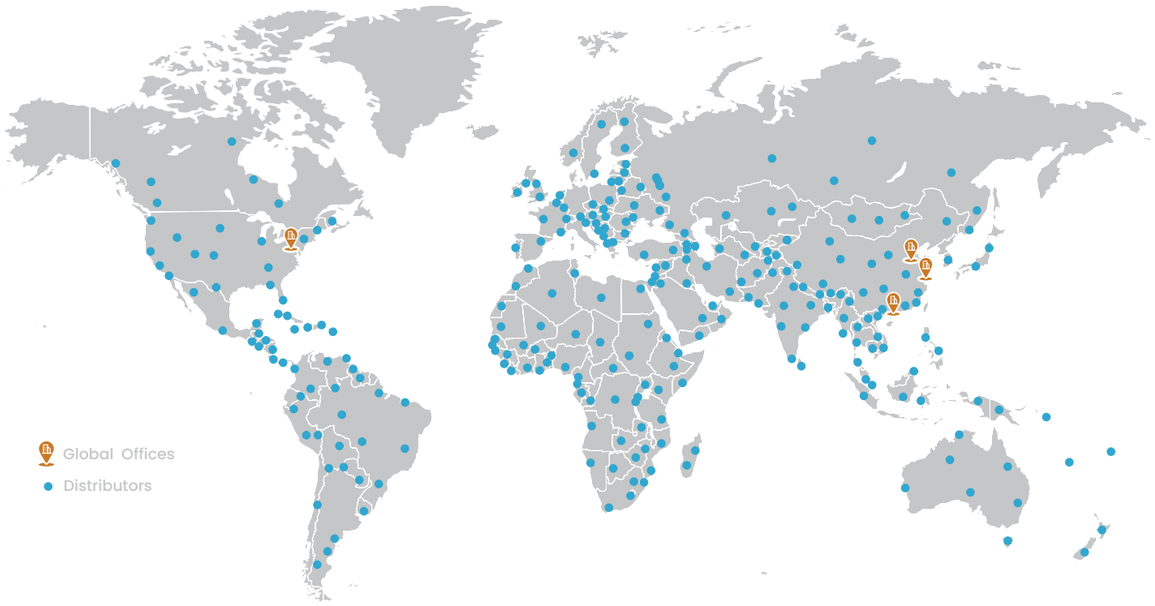

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Infitek

Incubator

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Laboratory and Medical equipment one-stop solution provider

INFITEK CO., LTD.

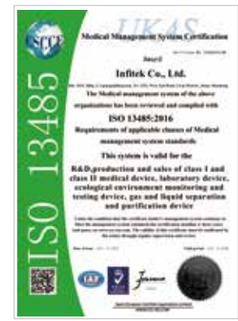
• V.01

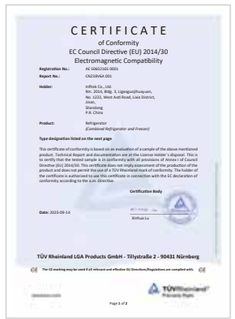
INTRODUCTION

As a manufacturer of professional scientific instruments, Infitek has 18 factories, with products and services range from life sciences, chemical analysis, optical analysis, water quality testing and environmental monitoring, etc.

Infitek has established R&D centers in Shenzhen, Beijing, Shanghai and Jinan, and has developed collaboration with established in-depth cooperation with hundreds of well-known universities and scientific research institutions at home and abroad.

CERTIFICATE





ISO9001
ISO13485
ISO45001

Infitek continues to improve its core competitiveness, and numerous products have been US FDA-listed and obtained CE certificates. In addition, the company has achieved ISO9001, ISO13485, and ISO45001 certifications. The company will continue to be committed to providing innovative scientific instruments and solutions to global scientific research institutions, laboratories and industrial enterprises, and building a comprehensive service platform for scientific instruments and medical devices integrating R&D, production, sales and service.

Infitek

Founded in 2010, Infitek is headquartered in Shenzhen, China. Infitek is committed to providing customers with high-quality products and services, contributing to the continuous improvement of the quality of life, the simplicity& efficiency of scientific experiments, and the sustainable development of the world.

Infitek will continue to increase investment in scientific researches, deepen cooperation with business partners, provide customers with better products and services, meet the needs of global customers, and realize one-stop service. With unremitting efforts and innovative spirit, Infitek is heading to accomplish the mission of ranking in top 10 global scientific service platforms, and creating unlimited possibilities for the sustainable development of the world.

Heating Incubator

ICB-30E ICB-50E ICB-80E ICB-160E ICB-270E

ICB-30E

ICB-50E ICB-80E ICB-160E ICB-270E

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.

Intelligent control

Large high efinition LCD display, with intelligent microcomputer control, parameter real-time display.

Menu-type operation interface, simple and convenient, can quickly set temperature and time parameters.

Internal circulation system

Back suction and both sides forced convection system.

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.

Humanized design

Built-in tempered glass door allows the objects in the cavity to be clearly seen.

The anti-scalding design of the door handle makes it easy to open and close the door.

Safety

With over temperature control of visible & audible alarm system.

The insulation material is made of high-quality aluminum silicate silk cotton, and the insulation layer of the chamber is thickened.

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

Self-diagnosis function: display fault information, which is convenient for judging the fault point.

Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

Optional

Intelligent LCD programable temperature controller (Optional USB data storage, RS485 / 232 and printer), spare shelf.

Specifications

Model		ICB-30E	ICB-50E	ICB-80E	ICB-160E	ICB-270E
Capacity (L)		35	50	80	160	270
Circulation		Forced air convection		Forced air convection		
Dimension (W*D*H)	Internal (mm)	320*300*315	350*350*410	400*400*500	500*500*650	600*600*750
	External (mm)	650*470*510	510*520*800	580*570*890	680*670*1050	770*780*1150
Temperature	Range (℃)	RT+5 ~ 65		RT+5 ~ 65		
	Fluctuation (℃)	0.5		0.5		
	Resolution (℃)	0.1		0.1		
	Uniformity (℃)	±2℃(37℃)		±2℃(37℃)		
	Sensor	PT100		PT100		
Controller		PID		PID		
Display		Large high efinition LCD		Large high efinition LCD		
Timer (min)		1 ~ 9999		1 ~ 9999		
Material	Internal	Stainless steel		Stainless steel		
	External	Electro-galvanized steel with antimicrobial powder coating		Electro-galvanized steel with antimicrobial powder coating		
Shelves		2	2	2	3	3
Test Hole (mm)		Optional Φ25, 50, 80		Optional Φ25, 50, 80		
Safety Device		Leakage protector / Over-temperature alarm		Leakage protector / Over-temperature alarm		
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	200	300	400	600	750
N.W. / G.W. (kg)		35 / 40	43 / 50	52 / 70	85 / 95	103 / 110
Package Dimension (W*D*H)(mm)		720*540*700	670*630*990	700*700*1080	720*720*1080	960*850*1260
Optional		Independent temperature limiting controller		Independent temperature limiting controller		
		Intelligent LCD programable temperature controller (Optional USB data storage, RS485 / 232 port and printer).		Intelligent LCD programable temperature controller (Optional USB data storage, RS485 / 232 port and printer), spare shelf.		

Desktop Constant-Temperature Incubator

ICB-18 ICB-18E

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

Intelligent control

High efinition digital display, with intelligent microcomputer control, parameter real-time display.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down.

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.

Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

Safety

The insulation material is made of high quality rock wool board, and the insulation layer of the chamber is thickened.

With over temperature control of visible & audible alarm system.

Optional

Spare shelf

Specifications

Model		ICB-18	ICB-18E
Capacity		18L	
Circulation Mode		Natural convection	
Dimension (W*D*H)	Internal	260*260*260 mm	
	External	380*455*568 mm	
Temperature	Range	RT+5 ~ 65℃	
	Fluctuation	±0.5℃	
	Resolution	0.1℃	
	Uniformity	±2.0℃	
	Sensor	PT100	
Controller		PID Intelligent	
Display		Digital LED	
Timer		0 ~ 9999 min (with timing wait function)	
Material	Internal	Without E model: mirror stainless steel	
		With E model: high strengthgalvanized sheet	
	External	Cold rolled steel electrostatic spraying exterior	
Shelves (Standard / Max)		2 / 6	
Exhaust Hole		Standard Φ35 mm top with function of test hole	
Safety Device		Over temperaure visible & audible alarm	
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz	
	Consumption	180W	
N.W. / G.W.(kg)		15 / 23	
Package Dimension(W*D*H)(mm)		490*520*650	520*500*650
Optional		Spare shel	

Heating Incubator

ICB-45E ICB-65E ICB-125E ICB-210E
ICB-45 ICB-65 ICB-125 ICB-210

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.

Intelligent control

Intelligent PID control is adopted, and the parameters are displayed in real time.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down.

Humanized design

Double door design, the inner door is made of tempered glass for easy observation,magnetic sealing design for outer door, good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

SAFETY

The insulation material is made of premium foam, and the insulation layer of the chamber is thickened.

With over temperature control of visible& audible alarm system.

Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

ICB-45E ICB-65E ICB-125E ICB-210E
ICB-45 ICB-65 ICB-125 ICB-210

ICB-45E ICB-65E ICB-125E ICB-210E
ICB-45 ICB-65 ICB-125 ICB-210

Optional

Spare shelf

Specifications

Model		ICB-45E	ICB-65E	ICB-125E	ICB-210E	ICB-45	ICB-65	ICB-125	ICB-210
Capacity (L)		45	65	125	210	45	65	125	210
Circulation Mode		Natural convection				Natural convection			
Dimension (W*D*H)	Internal (mm)	350*350*350	400*350*450	500*450*550	600*580*600	350*350*350	400*350*450	500*450*550	600*580*600
	External (mm)	525*480*620	575*480*720	675*580*820	775*710*870	525*480*620	575*480*720	675*580*820	775*710*870
Temperature	Range (℃)	RT+5~70				RT+5~70			
	Fluctuation (℃)	±0.5				±0.5			
	Resolution (℃)	0.1				0.1			
	Uniformity (℃)	±1.5				±1.5			
	Sensor	PT100				PT100			
Controller		PID Intelligent				PID Intelligent			
Display		Digital LED				Digital LED			
Timer (min)		0~9999min (with timing wait function)				0~9999min (with timing wait function)			
Material	Internal	High strength galvanized sheet				Mirror stainless steel			
	External	Cold rolled steel electrostatic spraying exterior				Cold rolled steel electrostatic spraying exterior			
Shelves (Standard / Max)		2 / 7	2 / 10	2 / 13	2 / 14	2 / 7	2 / 10	2 / 13	2 / 14
Exhaust Hole (mm)		Φ35mm top with function of test hole				Φ35mm top with function of test hole			
Safety Device		Over temperaure Visible& Audible alarm				Over temperaure Visible& Audible alarm			
Electricity	Voltage/Frequency	AC 220/110V, 50/60Hz				AC 220/110V, 50/60Hz			
	Consumption (W)	350	450	600	700	350	450	600	700
N.W. / G.W.(kg)		27/40	32/53	45/60	55/70	27/40	32/45	45/60	55/70
Package Dimension (W*D*H)(mm)		595*562*795	650*570*890	745*662*990	850*810*1050	595*562*795	650*570*890	745*662*990	845*792*1040
Optional		Spare shelf				Spare shelf			

Portable Incubator

ICB-P9

CE

Key Features

Energy-saving

High temperature silicone seal for good leak-tightness.

Good heat insulation for preventing the loss of heat too quickly.

Intelligent control

Intelligent PID temperature control.

Simple and convenient operation, can quickly set temperature and time parameters.

Internal circulation system

Internal naturally air convection.

The four-sided heating method makes the internal temperature more uniform.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down

Mirror stainless steel inner chamber, four corners arc transition easy to clean.

Humanized design

With high quality glass window and installed LED light on the door,which is convenient for observing internal samples, especially in dark conditions.

The anti-scalding design of the door handle makes it easy to open and close the door.

Portable design with handle on top for easy moving.

Application

It is used for industrial and mining enterprises, food processing, agriculture, biochemistry, biology, medicine industry of bacteria, microbe and other small culture experiments.

Safety

With sensor failure alarm, fixed value operation, timing operation, deviation correction, menu locking and other functions.

With over temperature control of visible& audible alarm system.

Optional

Vehicular（DC12V/AC110V/AC220V）

Spare shelf

Specifications

Model		ICB-P9
Capacity		9.2L
Circulation Mode		Natural convection
Dimension (W*D*H)	Internal	230*200*200mm
	External	310*276*298mm
Temperature	Range	RT+5-65 ℃
	Fluctuation	±0.5 ℃
	Resolution	0.1 ℃
	Uniformity	±1.0 ℃
	Sensor	PT100
Controller		PID
Display		LED
Timer		0-9999 min (with timing waiting function)
Material	Internal	Mirror stainless steel
	External	Cold rolled steel electrostatic spraying exterior
Shelves (Standard / Max)		2 / 4
Safety Device		Over temperature sound and light alarm
Electricity	Voltage / Frequency	AC220V/50/60HZ
	Consumption	80W
N.W. / G.W.(kg)		8 / 10 kg
Package Dimension(W*D*H)(mm)		360*330*380mm
Optional		Vehicular(DC12V/AC110V/AC220V), Spare shelf

Constant Temperature Incubator

ICB-45P ICB-65P ICB-125P ICB-210P

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

Intelligent control

Large high efinition LCD display,with intelligent PID control, parameter real-time display.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory.

Internal circulation system

Bottom forced convection system.

Adopts high-quality fan and large impeller fan, has higher ventilation efficiency and better temperature uniformity.

Dedicated sheet metal processing

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.

Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

Safety

Digital independent temperature limiter.

The insulation material is made of premium foam, and the insulation layer of the chamber is thickened.

With over temperature control of visible & audible alarm system.

Optional

Spare shelf

USB port

Specifications

Model		ICB-45P	ICB-65P	ICB-125P	ICB-210P
Capacity (L)		45	65	125	210
Circulation Mode		Breeze circulation			
Dimension (W*D*H)	Internal (mm)	350*350*350	400*350*450	500*450*550	600*580*600
	External (mm)	525*480*620	575*480*720	675*580*820	775*710*870
Temperature	Range (℃)	RT+5 ~ 70			
	Fluctuation (℃)	0.5			
	Resolution (℃)	0.1			
	Uniformity (℃)	0.8			
	Sensor	PT100			
Controller		PID Intelligent			
Display		Large high efinition LCD			
Timer (min)		0 ~ 9999 (with timing wait function)			
Material	Internal	Mirror stainless steel			
	External	Cold rolled steel electrostatic spraying exterior			
Shelves (Standard / Max)		2 / 7	2 / 10	2 / 13	2 / 14
Exhaust Hole (mm)		Standard Φ28 top with function of test hole			
Safety Device		Over temperaure visible & audible alarm, digital independent temp. limiter			
Electricity	Voltage/Frequency	AC 220 / 110V, 50 / 60Hz			
	Consumption (W)	350	450	600	700
N.W. / G.W.(kg)		27 / 44	32 / 35	45 / 49	55 / 63
Package Dimension(W*D*H)(mm)		580*600*780	655*572*875	680*760*1000	855*802*1025
Optional		Spare shelf, USB port			

Heating Incubator

ICB-F30 ICB-F45 ICB-F65 ICB-F85 ICB-F125 ICB-F230

Features

Unique vertical dual-duct system with horizontal air circulation.

4-level 3-speed adjustable fan, equipped with LED operation indicator.

Features

Over-temperature protection system: The red LED indicator illuminates while the heating circuit is cut off to enhance product safety when the chamber temperature exceeds the alarm value.

Independent high-precision digital temperature limiter.

ICB-F30 ICB-F45
ICB-F65 ICB-F85 ICB-F125

ICB-F230

Specifications

Model		ICB-F30	ICB-F45	ICB-F65	ICB-F85	ICB-F125	ICB-F230
Capacity (L)		30	45	65	85	125	230
Circulation Mode		Forced convection			Forced convection	Forced convection	
Dimension (W*D*H)	Internal (mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550	600*500*750
	External (mm)	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915	735*835*1115
Temperature	Range (℃)	RT+5-120			RT+5-120		
	Fluctuation (℃)	±0.5			±0.5		
	Resolution (℃)	0.1			0.1		
	Uniformity (℃)	±1.0			±1.0		
	Sensor	PT100			PT100		
Controller	Temp. control mode	Dual-stage Intelligent PID			Dual-stage Intelligent PID		
	Temp. setting mode	Touch button setting			Touch button setting		
	Temp. display mode	Measured temperature: Upper LCD; Set temperature: Lower LCD			Measured temperature: Upper LCD; Set temperature: Lower LCD		
	Timer	0-9999min (with timing wait function)			0-9999min (with timing wait function)		
	Operation function	Fixed temperature operation, Timing function, Auto stop			Fixed temperature operation, Timing function, Auto stop		
	Additional functions	Digital temperature limiter, 4-level 3-speed adjustable fan (No fan speed control for Model 230), Sensor deviation correction, Temp. overshoot self-tuning, Internal parameter locking, Power-off parameter memory			Digital temperature limiter, 4-level 3-speed adjustable fan (No fan speed control for Model 230), Sensor deviation correction, Temp. overshoot self-tuning, Internal parameter locking, Power-off parameter memory		
Structure	Inner chamber	Mirror stainless steel			Mirror stainless steel		
	Outer shell	Cold-rolled steel with electrostatic spray coating			Cold-rolled steel with electrostatic spray coating		
	Insulation layer	High-quality foam board			High-quality foam board		
	Heater	Stainless steel electric heating tube			Stainless steel electric heating tube		
	Exhaust hole	φ35mm top (with function of test hole)			φ35mm top (with function of test hole)		
Standard/Maximum Shelf		2/5	2/6	2/8	2/8	2/11	2/17
Load per Shelf		15kg			15kg		
Shelf Spacing		40 mm			40 mm		
Safety Device		Independent digital temperature limiter, Over-temperature audio-visual alarm			Independent digital temperature limiter, Over-temperature audio-visual alarm		
Electricity	Voltage / Frequency	AC 220V, 50/60Hz			AC 220V, 50/60Hz		
	Current rating	1.8A	2.3A	3.2A	4.1A	5A	6.8A
	Power rating	0.4kW	0.5kW	0.7kW	0.9kW	1.1kW	1.5kW
Package Dimension (W*D*H)(mm)		540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100	857*885*1287
N.W. / G.W. (kg)		33/37	37/43	44/49	50/56	60/66	94/120
Optional Accessories		Shelf, U-disk storage, Printer, 3.5-inch color touch screen temperature controller			Shelf, U-disk storage, Printer, 3.5-inch color touch screen temperature controller		

Cooling Biochemical Incubator

ICB-B80HII ICB-B150HII ICB-B200HII
ICB-B250HII ICB-B300HII ICB-B400HII

Application

Biochemical incubators are suitable for scientific research institutes, universities, and production facilities in fields such as environmental protection, health and epidemic prevention, drug testing, agriculture, animal husbandry, and aquaculture. They are specialized constant-temperature equipment for water quality analysis, BOD determination, the cultivation and preservation of bacteria, molds and microorganisms, as well as plant cultivation and breeding experiments.

Remarks

(1)External depth (D) includes 3.5 cm accessories; external height (H) includes 6.5 cm accessories.

(2)Setting the temperature between 20°C and 37°C to eliminate crystallization of mannitol solution.

(3)All performance parameters are tested under no-load conditions at ambient temperature 20℃ and ambient humidity 50%RH.

(4)Not suitable for long-term refrigeration storage.

Optional

Independent external temperature protection device.

φ35mm test hole.

RS485-to-USB adapter interface.

30-segment programmable controller.

Features

Exterior: Cold-rolled steel with powder coating; Interior: SUS304 stainless steel.

Microcomputer intelligent PID controller for precise temperature control.

Support continuous or timed operation: 0-9999 minutes.

With parameter memory function, automatically resuming operation upon power restoration.

Cubigel refrigeration compressor: High efficiency, low energy consumption, and eco-friendly refrigerant.

The inner chamber features rounded corners for easy cleaning.

Pull-out removable shelves with adjustable spacing.

Equipped with casters for easy movement.

Built-in lighting device in the chamber for convenient observation.

Equipped with RS485 communication port.

Internal power socket to support small instruments (e.g., BOD testers, shakers) within the chamber.

Specifications

Model		ICB-B80HII	ICB-B150HII	ICB-B200HII	ICB-B250HII	ICB-B300HII	ICB-B400HII
Capacity (L)		81	160	202	251	304	397
Circulation Mode		Forced convection			Forced convection		
Dimension (W*D*H)	Internal (mm)	400*370*550	450*420*850	450*450*1000	480*490*1070	520*500*1170	580*540*1270
	External (mm)	540*580*1075	598*633*1471	590*659*1525	620*690*1595	660*702*1695	720*747*1795
Temperature	Range (℃)	0~65			0~65		
	Fluctuation (℃)	±0.5~±1			±0.5~±1		
	Uniformity (℃)	±2			±2		
	Display accuracy	0.1			0.1		
	Control accuracy	±0.1			±0.1		
Controller		PID			PID		
Display		LCD			LCD		
Shelves		2	3	3	3	3	3
Alarm Types		Over-temperature alarm, temperature probe failure alarm			Over-temperature alarm, temperature probe failure alarm		
Electricity	Voltage / Frequency	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz
	Consumption (W)	650	710	760	810	960	1280

Cooling Biochemical Incubator

ICB-B80L ICB-B150L ICB-B200L
ICB-B250L ICB-B300L ICB-B400L

Application

Biochemical incubators are suitable for scientific research institutes, universities, and production facilities in fields such as environmental protection, health and epidemic prevention, drug testing, agriculture, animal husbandry, and aquaculture. They are specialized constant-temperature equipment for water quality analysis, BOD determination, the cultivation and preservation of bacteria, molds and microorganisms, as well as plant cultivation and breeding experiments.

Remarks

(1)External depth (D) includes 3.5 cm accessories; external height (H) includes 6.5 cm accessories.

(2)Setting the temperature between 20°C and 37°C to eliminate crystallization of mannitol solution.

(3)All performance parameters are tested under no-load conditions at ambient temperature 20℃ and ambient humidity 50%RH.

(4)Not suitable for long-term refrigeration storage.

Optional

Independent external temperature protection device.

φ35mm test hole.

RS485-to-USB adapter interface.

30-segment programmable controller.

Features

Exterior: Cold-rolled steel with powder coating; Interior: SUS304 stainless steel.

The inner chamber is equipped with a fan to create micro-airflow circulation, improving temperature uniformity.

Microcomputer intelligent PID controller for precise temperature control.

Support continuous or timed operation: 0-9999 minutes.

With parameter memory function, automatically resuming operation upon power restoration.

Cubigel refrigeration compressor: High efficiency, low energy consumption, and eco-friendly refrigerant.

The inner chamber features rounded corners for easy cleaning.

Pull-out removable shelves with adjustable spacing.

Equipped with casters for easy movement.

Built-in lighting device in the chamber for convenient observation.

Equipped with RS485 communication port.

Specifications

Model		ICB-B80L	ICB-B150L	ICB-B200L	ICB-B250L	ICB-B300L	ICB-B400L
Capacity (L)		81	160	202	251	304	397
Circulation Mode		Forced convection			Forced convection		
Dimension (W*D*H)	Internal (mm)	400*370*550	450*420*850	450*450*1000	480*490*1070	520*500*1170	580*540*1270
	External (mm)	540*580*1075	598*633*1471	590*659*1525	620*690*1595	660*702*1695	720*747*1795
Temperature	Range (℃)	-10~65			-10~65		
	Fluctuation (℃)	±0.5~±1			±0.5~±1		
	Uniformity (℃)	±2			±2		
	Display accuracy	0.1			0.1		
	Control accuracy	±0.1			±0.1		
Controller		PID			PID		
Display		LCD			LCD		
Shelves		2	3	3	3	3	3
Alarm Types		Over-temperature alarm, temperature probe failure alarm			Over-temperature alarm, temperature probe failure alarm		
Electricity	Voltage / Frequency	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz
	Consumption (W)	760	860	940	1000	1100	1800

Cooling Biochemical Incubator

ICB-B103YB ICB-B152YB ICB-B253YB ICB-B412YB
ICB-B722YB ICB-B1022YB ICB-B103YL ICB-B152YL
ICB-B253YL ICB-B412YL ICB-B722YL ICB-B1022YL

ICB-B103YB ICB-B103YL
ICB-B152YB ICB-B152YL
ICB-B253YB ICB-B253YL

ICB-B412YB
ICB-B412YL

ICB-B722YB ICB-B1022YB
ICB-B722YL ICB-B1022YL

Performance Advantages

The frost-free design effectively avoids temperature drift caused by the absence of a defrosting function, or significant fluctuations in temperature during traditional defrosting cycles. It maintains excellent temperature stability even during long-term experiments.

The circulating fan has three adjustable speeds (high, medium, and low) to prevent sample evaporation due to excessive airflow during experiments.

The refrigeration system adopts hot gas bypass energy regulation technology to ensure efficient and safe operation of the compressor under high-temperature conditions.

The new diffusion-type air duct circulation system improves temperature uniformity.

PID

The programmable microcomputer fuzzy PID control technology, with 30 segments and 99 cycles, enables gradient and slope control of temperature rise and fall through the programmed settings of parameters such as multi-segment temperature, circulating wind speed, running time, and heating rate.

Features

Wide-screen display: Convenient for setting programs and observing temperature, fan speed, running time, etc. It is equipped with temperature alarm function (indicator and audible prompt).

Over-temperature protection device: Automatically interrupts operation when the preset temperature range is exceeded, featuring audible and visual alarms to ensure the safety of samples and the experimental environment.

USB interface: Used to connect a printer or USB flash drive for real-time recording of temperature data during the experiment.

Auxiliary lighting: Allows easy observation of the chamber interior in low-light environments; waterproof, resistant to high and low temperatures, and offers a long service life.

Inner Chamber and Shelves: Precision-crafted from SUS304 stainless steel; the shelves are adjustable to the desired height.

Square steel base: Constructed from integrally welded rectangular square steel for high strength and durability, ensuring stability without vibration.

Universal casters: Can be freely turned and locked; made of wear-resistant polyurethane.

Test hole: Convenient for monitoring; equipped with a silicone soft plug to prevent air convection.

Outer casing: Made of high-quality cold-rolled steel plate with powder coating technology, featuring uniform thickness and a sleek, beautiful appearance.

- Capacity: 103L, 152L, 253L, 412L, 722L, 1022L
- Temperature Range: 0~65℃, -10~65℃
- Circulation Mode: Forced Convection (Balanced Type)
- The new diffusion-type air duct circulation system improves temperature uniformity

Application

Cooling Biochemical Incubators are suitable for the cultivation and preservation of bacteria and other microorganisms, plant breeding and seedling experiments, as well as water quality analysis and BOD determination.

Specifications

Model		ICB-B103YB / ICB-B103YL	ICB-B152YB / ICB-B152YL	ICB-B253YB / ICB-B253YL	ICB-B412YB / ICB-B412YL	ICB-B722YB / ICB-B722YL	ICB-B1022YB / ICB-B1022YL
Capacity (L)		103	152	253	412	722	1022
Circulation Mode		Forced Convection (Balanced Type)			Forced Convection (Balanced Type)		
Dimension (W*D*H)	Internal (mm)	480*390*550	500*460*660	640*460*860	560*530*1390	980*530*1390	980*750*1390
	External (mm)	645*700*1255	665*780*1360	800*780*1570	1025*810*1735	1445*810*1735	1445*1030*1735
Temperature	Range (℃)	YB Series: 0~65; YL Series: -10~65;			YB Series: 0~65; YL Series: -10~65;		
	Resolution (℃)	0.1			0.1		
	Fluctuation (℃)	High temperature ±0.3℃, Low temperature ±0.5℃			High temperature ±0.3℃, Low temperature ±0.5℃		High temperature ±0.5℃, Low temperature ±1℃
	Uniformity (℃)	±0.5			±0.5		±1
Operating Ambient Temperature (℃)		5-30			5-30		
Shelves (Standard)		2	3	3	4	4	4
Test Hole (mm)		φ40			φ40		
Electricity	Voltage/Frequency	AC 220V, 50Hz			AC 220V, 50Hz		
	Consumption (W)	780	840	1200	1500	2100	2550
Safety Protection	Refrigeration System	Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.			Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.		
	Others	Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection.			Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection.		

Cooling Biochemical Incubator

ICB-B70Z ICB-B100Z ICB-B150Z
ICB-B250Z ICB-B350Z ICB-B450Z

ICB-B70Z ICB-B100Z

ICB-B150Z ICB-B250Z
ICB-B350Z ICB-B450Z

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

Intelligent control

Large high efinition LCD display, with intelligent microcomputer control, parameter real-time display.

Menu-type operation interface, simple and convenient, can quickly set temperature and time parameters.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.

Internal circulation system

Back suction and bottom forced convection system.

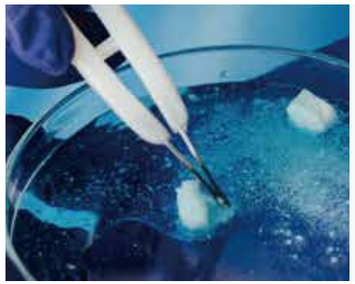
Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

Self-diagnosis function: display fault information, which is convenient for judging the fault point.



Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products. It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.

Optional

Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf

Specifications

Model		ICB-B70Z	ICB-B100Z	ICB-B150Z	ICB-B250Z	ICB-B350Z	ICB-B450Z
Capacity (L)		70	100	150	250	350	450
Circulation Mode		Forced convection			Forced convection		
Dimension (W*D*H)	Internal (mm)	450*350*450	510*390*510	550*390*800	560*420*1050	560*530*1200	700*530*1210
	External (mm)	560*555*885	620*590*990	600*630*1460	660*660*1700	670*730*1880	810*790*1890
Temperature	Range (℃)	0 ~ 60			0 ~ 60		
	Fluctuation (℃)	±0.5			±0.5		
	Resolution (℃)	0.1			0.1		
	Uniformity (℃)	±1			±1		
	Sensor	PT100			PT100		
Controller		PID			PID		
Display		Large high efinition LCD			Large high efinition LCD		
Timer (min)		1 ~ 9999			1 ~ 9999		
Material	Internal	Stainless steel			Stainless steel		
	External	Cold rolled steel electrostatic spraying exterior			Cold rolled steel electrostatic spraying exterior		
Shelves		2	2	3	3	3	4
Test Hole (Optional)(mm)		Φ25, 50, 80, 100			Φ25, 50, 80, 100		
Refrigerant		R134a (CFC free)			R134a (CFC free)		
Safety Device		Leakage protector ,Audible alarm			Leakage protector ,Audible alarm		
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz			AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	660	680	900	1000	1100	1600
N.W./G.W. (kg)		55 / 70	56 / 87	73 / 115	98 / 140	125 / 170	158 / 200
Package Dimension(W*D*H)(mm)		750*740*1180	750*740*1170	710*710*1620	800*760*1930	800*850*1900	900*1150*2080
Optional		Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf			Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf		

BOD Refrigerated Incubator

ICB-B70E ICB-B150E ICB-B250E
ICB-B70 ICB-B150 ICB-B250

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

Intelligent control

E model: Large high efinition LCD display, with intelligent microcomputer control, parameter real-time display.

Without E model: Large high efinition LCD display, 10 segment program temperature with intelligent microcomputer control, parameter real-time display.

Internal circulation system

Back suction forced convection system.

Adopts high-quality fan and large impeller fan, has higher ventilation efficiency and better temperature uniformity.

Air cooled hermetic compressor with cooling system, effectively extend the life of the compressor.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down.

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.

Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

- With over temperature control of visible & audible alarm system.
- E model: Deviation correction, menu key lock, power failure parameter memory.
- Models without E also have: Loop self diagnosis, sensor fault alarm.

Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products.

It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.

Optional

Spare shelf , build-in printer,
USB data storage

ICB-B70E ICB-B150E ICB-B250E
ICB-B70 ICB-B150 ICB-B250

ICB-B70E ICB-B150E ICB-B250E
ICB-B70 ICB-B150 ICB-B250

Specifications

Model		ICB-B70E	ICB-B70	ICB-B150E	ICB-B150	ICB-B250E	ICB-B250
Capacity (L)		70	70	150	150	250	250
Circulation Mode		Forced convection			Forced convection		
Dimension (W*D*H)	Internal (mm)	415*350*500	415*350*500	490*400*750	490*400*750	500*515*950	500*515*950
	External (mm)	571*591*1051	571*591*1051	646*641*1301	646*641*1301	656*741*1501	656*741*1501
Temperature	Range (℃)	0 ~ 65			0 ~ 65		
	Fluctuation (℃)	High Temp. : ±0.5 Low Temp. : ±1			High Temp. : ±0.5 Low Temp. : ±1		
	Resolution (℃)	0.1			0.1		
	Uniformity (℃)	±1.5			±1.5		
	Sensor	PT100			PT100		
Controller		Microcomputer control			Microcomputer control		
Display		Large high efinition LCD			Large high efinition LCD		
Timer (h)		E model: 0 ~ 99.9			E model: 0 ~ 99.9		
		Without E model: 0 ~ 99.9 *10 segment (with timing wait function)			Without E model: 0 ~ 99.9 *10 segment(with timing wait function)		
Material	Internal	Mirror stainless steel			Mirror stainless steel		
	External	Cold rolled steel electrostatic spraying exterior			Cold rolled steel electrostatic spraying exterior		
Shelves (Standard / Max)		2 / 5	2 / 5	2 / 9	2 / 9	2 / 12	2 / 12
Test Hole (mm)		Φ43			Φ43		
Internal Socket		Outer universal socket (one), inner waterproof socket (one)			Outer universal socket (one), inner waterproof socket (one)		
Refrigerant		R134a (CFC free)			R134a (CFC free)		
Safety Device		Over temperaure visible & audible alarm			Over temperaure visible & audible alarm		
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz			AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	800	800	1000	1000	1200	1200
N.W. / G.W. (kg)		69 / 92	69 / 92	86 / 114	86 / 140	100 / 139	100 / 139
Package Dimension(W*D*H)(mm)		708*716*1368	710*710*1250	788*866*1468	790*870*1470	761*830*1690	761*830*1690
Optional		Spare shelf , build-in printer,USB data storage			Spare shelf , build-in printer,USB data storage		

BOD Incubator

ICB-B70P ICB-B150P ICB-B250P

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

Internal circulation system

Bottom forced convection system.

Adopts high-quality fan and large impeller fan, has higher ventilation efficiency and better temperature uniformity.

Dedicated sheet metal processing

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.

Intelligent control

5.0 inches touch screen display, with intelligent microcomputer control, parameter real-time display.

Sensor deviation correction, temperature overshoot auto-tuning, power-off parameter memory, loop self diagnosis.

Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design outer door, with good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products. It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.

Safety

With over temperature control of visible & audible alarm system.

Temperature curve view, reservation start.

Standard UV sterilization device, digital independent temperature limiter.

Optional

Shelf, RS485 interface, printer, USB data storage

Specifications

Model		ICB-B70P	ICB-B150P	ICB-B250P
Capacity (L)		70	150	250
Circulation Mode		Forced convection		
Dimension (W*D*H)	Internal (mm)	420*350*500	500*500*600	600*500*840
	External (mm)	580*610*1190	660*760*1290	760*760*1530
Temperature	Range (℃)	0 ~ 65		
	Fluctuation (℃)	High Temp. : ±0.5 Low Temp. : ±1		
	Resolution (℃)	0.1		
	Uniformity (℃)	±1		
	Sensor	PT100		
Controller		Microcomputer control		
Display		5.0 inches touch screen		
Timer (h)		0 ~ 99.9*30 segment		
Material	Internal	Mirror stainless steel		
	External	Cold rolled steel electrostatic spraying exterior		
Shelves (Standard / Max)		2 / 9	2 / 12	2 / 18
Test Hole (mm)		Φ43		
Refrigerant		R134a (CFC free)		
Internal Socket		Outer universal socket (one), inner waterproof socket (one)		
Safety Device		Over temperaure visible & audible alarm, digital independent temp. limiter		
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	800	1000	1200
N.W. / G.W. (kg)		69 / 92	86 / 114	100 / 139
Package Dimension(W*D*H)(mm)		708*716*1368	788*866*1468	890*880*1700
Optional		Shelf, RS485 interface, printer		

Mould Incubator

ICB-M150Z ICB-M250Z ICB-M350Z ICB-M450Z

Key Features

Energy-saving

The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.

Intelligent control

High definition LCD display, real-time display of parameters, self-locking function of screen, simple and convenient operation.

Menu-type operation interface, simple and convenient operation, can quickly set temperature and time parameters.

Internal circulation system

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

The circulation system adopts the back suction and the bottom vertical air supply mode.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.

Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

Humanized design

Built in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

The top of incubator is equipped with an LED light and a UV disinfection lamp.

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

With over temperature control of visible & audible alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point..

Application

It is widely used in mold screening, microbial tissue cell culture, fungal spore culture, food and drug, preservation experiments, seed germination and other test needs.

Optional

1.Independent temperature limiting controller

2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)

Specifications

Model		ICB-M150Z	ICB-M250Z	ICB-M350Z	ICB-M450Z
Capacity (L)		150	250	350	450
Circulation Mode		Forced convection			
Dimension (W*D*H)	Internal (mm)	550*390*800	560*420*1050	560*530*1200	700*530*1210
	External (mm)	600*630*1460	660*660*1700	670*730*1880	810*790*1890
Temperature	Range (℃)	0~60			
	Fluctuation (℃)	±0.5			
	Resolution (℃)	0.1			
	Uniformity (℃)	±1			
	Sensor	PT100			
Controller		PID			
Display		LCD			
Timer (min)		1-9999			
Material	Internal	Stainless steel			
	External	Electro-galvanized steel with antimicrobial powder coating			
Shelves		3	3	3	4
Test Hole (mm)		Optional φ25,50,80,100			
Safety Device		Leakage protector/Over- temperature alarm			
Electricity	Voltage/Frequency	220/50			
	Consumption (W)	900	1000	1100	1600
N.W. / G.W. (kg)		120	140	170	200
Package Dimension(W*D*H)(mm)		730*730*1640	800*760*1930	870*750*1930	900*1150*2080
Optional		1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB, RS485/232 and printer)			

Constant Temp. & Humidity Chamber

ICB-H70 ICB-H150 ICB-H250

Key Features

Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

Intelligent control

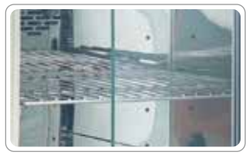
Large high efinition LCD display, with intelligent PID control, parameter real-time display.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory, loop self diagnosis.

Internal circulation system

Back suction forced convection system.

Unique internal air circulation structure design, fan breeze circulation, uniform temperature distribution in the work room.



Dedicated sheet metal processing

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.

Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products. It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.

Safety

With over temperature control of visible & audible alarm system.

Inner humidifying system with small particles, good humidity uniformity, low water consumption and function of alarm when is short of water.

Optional

Spare shelf , build-in printer, USB data storage

Specifications

Model		ICB-H70	ICB-H150	ICB-H250
Capacity (L)		70	150	250
Circulation Mode		Forced convection		
Dimension (W*D*H)	Internal (mm)	415*350*500	490*400*750	500*515*950
	External (mm)	571*661*1051	646*711*1301	656*811*1501
Temperature	Range (℃)	No humidification: 5~ 65 With humidification: 10 ~ 60		
	Fluctuation (℃)	High Temp.: ±0.5 Low Temp.: ±1		
	Resolution (℃)	0.1		
	Uniformity (℃)	±1		
	Sensor	PT100		
Humidity	Range	45% ~ 95%RH		
	Stability	±5%RH		
	Method	Internal		
	Sensor	High precision anti-condensation		
Controller		PID		
Display		Large high efinition LCD		
Timer (h)		0 ~ 99.99*30 segments (with timing wait function)		
Material	Internal	Mirror stainless steel		
	External	Cold rolled steel electrostatic spraying exterior		
Shelves(Standard / Max)		2/5	2/9	2/12
Test Hole (mm)		Φ43		
External Socket		Universal socket (one)		
Refrigerant		R134a (CFC free)		
Defrosting Mode		Automatic		
Safety Device		Visible & audible over temperaure, over humidity, water shortage alarm		
Electricity	Voltage/Frequency	AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	1800	2000	2200
N.W. (kg) / G.W. (kg)		69 / 92	86 / 114	100 / 139
Package Dimension (W*D*H)(mm)		676*750*1235	751*800*1490	761*900*1690
Optional		Spare shelf , RS485 port, build-in printer, USB data storage		

Constant Temp. & Humidity Chamber

ICB-H103YH ICB-H152YH ICB-H253YH
ICB-H412YH ICB-H722YH ICB-H1022YH

ICB-H103YH
ICB-H152YH
ICB-H253YH

ICB-H412YH

ICB-H722YH ICB-H1022YH

Performance Advantages

The new diffusion-type air duct circulation system improves the uniformity of temperature and humidity.

The circulating fan features three adjustable speed levels (high, medium, and low), providing a broader temperature and humidity testing range, as well as higher accuracy and stability, meeting users' requirements for heating and cooling rates.

The water system is designed with automatic water replenishment and recycling, making it more water-saving and worry-free.

The refrigeration system adopts hot gas bypass energy regulation technology to ensure efficient and safe operation of the compressor under high-temperature conditions.

PID

The programmable microcomputer fuzzy PID control technology, with 30 segments and 99 cycles, enables gradient and slope control of temperature rise and fall through the programmed settings of parameters such as temperature and humidity, circulating fan speed, running time, and heating rates.

The frost-free design effectively avoids temperature and humidity drift caused by the absence of a defrosting function, or significant fluctuations in temperature and humidity during traditional defrosting cycles. It maintains excellent temperature and humidity stability even during long-term experiments.

Features

Wide-screen display: Convenient for setting programs and observing temperature, humidity, fan speed, running time, etc. It is equipped with temperature, humidity and water level alarm functions (visual indicators and audible prompts).

Over-temperature protection system: Automatically interrupts operation when the preset temperature range is exceeded, featuring audible and visual alarms to ensure the safety of samples and the experimental environment.

USB interface: Used to connect a printer or USB flash drive for real-time recording of temperature and humidity data during the experiment.

Auxiliary lighting: Allows easy observation of the chamber interior in low-light environments; waterproof, resistant to high and low temperatures, and offers a long service life.

Independent ventilation fan: Efficiently exhausts heat generated by the refrigeration compressor and electrical control components.

Tempered glass inner door: Allows clear observation of the chamber without causing significant fluctuations in temperature and humidity; excellent explosion-proof properties ensure operator safety.

Inner Chamber and Shelves: Precision-crafted from SUS304 stainless steel; the shelves are adjustable to the desired height.

Thickened insulation layer: Triple-layered high-density polyurethane insulating material, with thermal insulation performance meeting international standards for similar products.

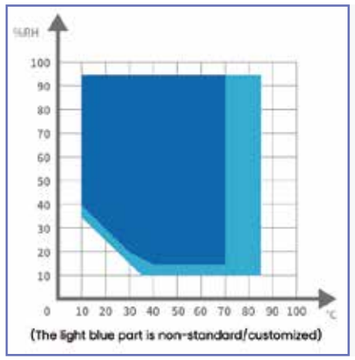
Square steel base: Constructed from integrally welded rectangular square steel for high strength and durability, ensuring stability without vibration.

Universal casters: Can be freely turned and locked; made of wear-resistant polyurethane.

φ40 test hole: Convenient for monitoring; equipped with a silicone soft plug to prevent air convection.

German-style outer door handle: 90° rotating design with 4-point forced locking mechanism, ensures superior sealing, prevents air leakage, and enhances thermal insulation performance.

Outer casing: Made of high-quality cold-rolled steel plate processed with powder coating technology, featuring uniform thickness and a sleek, beautiful appearance.



- Capacity: 103L, 152L, 253L, 412L, 722L, 1022L
- Temperature Range: -5~70 ℃
- Humidity Range: 15%~95%RH
- New diffusion-type air duct circulation system improves the uniformity of temperature and humidity

Application

The constant temperature and humidity chamber is designed for long-term storage testing of pharmaceuticals, as well as quality assessment for the food, tobacco, and cosmetics industries. It is also widely used for aging and water absorption analysis of paints and resins, and environmental reliability testing for electronics, automotive components, and metallic materials.

Specifications

Model		ICB-H103YH	ICB-H152YH	ICB-H253YH	ICB-H412YH	ICB-H722YH	ICB-H1022YH
Capacity (L)		103	152	253	412	722	1022
Circulation Mode		Forced Convection (Balanced Type)			Forced Convection (Balanced Type)		
Dimension (W*D*H)	Internal (mm)	480*390*550	500*460*660	640*460*860	560*530*1390	980*530*1390	980*750*1390
	External (mm)	645*700*1255	665*780*1360	800*780*1570	1025*810*1735	1445*810*1735	1445*1030*1735
Temperature	Range (℃)	-5~70			-5~70		
	Resolution (℃)	0.1			0.1		
	Fluctuation (℃)	±0.2			±0.2		±0.5
	Uniformity (℃)	±0.5			±0.5		±1
Humidity	Range	15%~95%RH			15%~95%RH		
	Fluctuation	±1%RH			±1%RH		±1.5%RH
Operating Ambient Temperature(℃)		5-30			5-30		
Shelves (Standard)		2	3	3	3	4	4
Test Hole (mm)		φ40			φ40		
Electricity	Voltage/Frequency	AC 220V, 50Hz			AC 220V, 50Hz		
	Consumption (W)	1300	1400	2000	2000	3500	3800
Safety Protection	Refrigeration System	Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.			Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.		
	Others	Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.			Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.		

Constant Temp. & Humidity Chamber

ICB-H180Y ICB-H290Y ICB-H400Y ICB-H520Y

Features

Microcomputer intelligent PID temperature controller for precise temperature control; Equipped with parameter memory function, automatically resuming operation after power restoration.

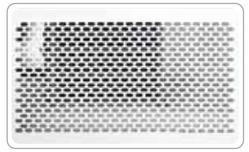
Automatically disconnects the power supply to the humidification heater when there is no water detected.

The inner chamber is equipped with a fan to create micro-airflow circulation, improving the temperature uniformity inside the chamber.

Outer casing material: Cold-rolled steel plate with powder coating; Inner chamber material: SUS304 stainless steel plate.

The inner chamber adopts a rounded arc structure design for easy cleaning.

Removable shelves with adjustable spacing.



Uses SECOP refrigeration compressor, high efficiency and low consumption; uses CFC-free environmentally friendly refrigerant.

Equipped with a built-in water tank and automatic water replenishment interface.

Equipped with casters for easy mobility.

Application

This product has a precise temperature and humidity control system, providing various environmental simulation conditions required for industrial research and biotechnology testing. It can be widely used for sterile testing, stability inspection, and testing of raw material performance, product packaging, product life, etc. in pharmaceuticals, textiles, food processing, and other industrial products.

- Capacity: 173L, 288L, 400L, 516L
- Temperature Range: 0~65℃
- Humidity Range: 40%RH ~ 95%RH (chamber temperature＞10℃)
- PID temperature controller, 24-segment program

Standard

φ35mm test hole

Standard USB data storage

Optional

Independent external temperature protection device

Micro thermal printer or dot matrix printer

Specifications

Model		ICB-H180Y	ICB-H290Y	ICB-H400Y	ICB-H520Y
Capacity (L)		173	288	400	516
Circulation Mode		Forced convection			
Dimension (W*D*H)	Internal (mm)	550*450*700	600*600*800	800*550*910	800*710*910
	External (mm)	700*840*1590	800*990*1690	1000*910*1800	1000*1070*1800
Temperature	Range (℃)	0~65			
	Uniformity (℃)	±1			
	Fluctuation (℃)	±0.5			
	Display Accuracy	0.1			
	Control Accuracy	±0.1			
Humidity	Range	40%RH ~ 95%RH (chamber temperature＞10°C)			
	Fluctuation	±3%RH			
	Display Accuracy	1%RH			
	Control Accuracy	±1%RH			
Humidification Method		Built-in electric heating humidification water tank			
Controller		PID temperature controller, 24-segment program			
Display		LCD			
Shelves		3	3	3	3
Alarm Types		Over-temperature alarm, under-temperature alarm, temperature probe failure alarm, humidity probe failure alarm			
Electricity	Voltage/Frequency	1Ø, 220V/50Hz			
	Consumption (W)	2000	2000	3000	3000
N.W. / G.W. (kg)		165/209	203/256	218/278	237/297

Climate Chamber

ICB-CC180Y ICB-CC290Y ICB-CC400Y ICB-CC520Y

Features

Microcomputer intelligent PID temperature controller for precise temperature control; Equipped with parameter memory function, automatically resuming operation after power restoration.

Automatically disconnects the power supply to the humidification heater when there is no water detected.

The inner chamber is equipped with a fan to create micro-airflow circulation, improving the temperature uniformity inside the chamber.

Outer casing material: Cold-rolled steel plate with powder coating; Inner chamber material: SUS304 stainless steel plate.

The inner chamber adopts an arc structure design for easy cleaning.

Pull-out removable shelves with adjustable spacing.

Uses SECOP refrigeration compressor, high efficiency and low consumption; uses environmentally friendly refrigerant.

Equipped with a built-in water tank and automatic water replenishment interface.

Equipped with casters for easy movement.

Application

This product is suitable for seed germination, seedling cultivation, and microbial culture, as well as the rearing of insects and small animals. It is also designed for BOD determination in water quality monitoring, and aging and lifespan testing of medicinal materials, wood, and building materials, as well as other dedicated testing applications requiring controlled light, constant temperature, and constant humidity.

- Capacity: 173L, 288L, 400L, 516L
- Temperature Range: With lighting:10~65℃; Without lighting: 0~65℃
- Humidity Range: 40%RH ~ 95%RH (chamber temperature＞10°C)
- 6000LX single-sided illumination, LED light source
- PID temperature controller, 24-segment program

Standard

φ35mm test hole

USB data storage

Optional

Independent external temperature protection device

Micro thermal printer or dot matrix printer

Specifications

Model		ICB-CC180Y	ICB-CC290Y	ICB-CC400Y	ICB-CC520Y
Capacity (L)		173	288	400	516
Circulation Mode		Forced convection			
Dimension (W*D*H)	Internal (mm)	550*450*700	600*600*800	800*550*910	800*710*910
	External (mm)	700*840*1590	800*990*1690	1000*910*1800	1000*1070*1800
Temperature	Range (℃)	With lighting:10~65; Without lighting: 0~65			
	Uniformity (℃)	±1			
	Fluctuation (℃)	±0.5			
	Display Accuracy	0.1			
	Control Accuracy	±0.1			
Humidity	Range	40%RH ~ 95%RH (chamber temperature＞10°C)			
	Fluctuation	±3%RH			
	Display Accuracy	1%RH			
	Control Accuracy	±1%RH			
Humidification Method		Built-in electric heating humidification water tank			
Illumination		6000LX single-sided illumination, LED light source			
Illumination Control		5-level adjustable			
Controller		PID temperature controller, 24-segment program			
Display		LCD			
Shelves		3	3	3	3
Alarm Types		Over-temperature alarm, under-temperature alarm, temperature probe failure alarm, humidity probe failure alarm			
Electricity	Voltage/Frequency	1Ø, 220V/50Hz			
	Consumption (W)	2000	2000	3000	3000
N.W. / G.W. (kg)		165/209	203/256	218/278	237/297

Climate Chamber

ICB-CC250H ICB-CC350H

Key Features

Energy-saving

Adopts energy-saving LED cold light source; The light intensity is adjustable in six levels to meet plants with different light needs.

Intelligent control of humidification method instrument.

Intelligent control

Large high efinition LCD display, with intelligent microcomputer control, parameter real-time display.

Internal circulation system

Back suction and bottom forced convection system.

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

Dedicated sheet metal processing

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.

Humanized design

The anti-scalding design of the door handle makes it easy to open and close the door.

Application

It is widely used in microbial tissue and cell culture, seed germination, seedling raising test, plant cultivation, insect and small animal feeding, etc. Different environmental and climatic conditions can be accurately simulated.

SAFETY

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

Digital independent temperature limiter control sound and light alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point.

Optional

Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf

Specifications

Model		ICB-CC250H	ICB-CC350H
Capacity (L)		250	350
Circulation Mode		Forced convection	
Dimension (W*D*H)	Internal (mm)	560*420*1050	560*530*1200
	External (mm)	660*660*1700	670*730*1880
Temperature	Range (℃)	With lighting:10~50 ; Without lighting:4~50	
	Fluctuation (℃)	±1	
	Resolution (℃)	0.1	
	Uniformity (℃)	±1	±2
	Sensor	PT100	
Humidity	Range	50 ~ 90%RH	
	Stability	±5 ~ ±7 %	
	Method	Internal	
	Sensor	High precision anti-condensation	
Illumination (Lx)		0 ~ 12000	0 ~ 15000
Illumination Control		6-level relative illuminance control	
Controller		PID	
Display		Large high efinition LCD	
Timer (min)		1 ~ 9999 (Optional 30*segments*100 cycles)	
Material	Internal	Stainless steel	
	External	Cold rolled steel electrostatic spraying exterior	
Shelves		3	
Test Hole (Optional) (mm)		Φ 25, 50, 80, 100	
Refrigerant		R134a (CFC free)	
Defrosting Mode		Automatic	
Safety Device		Visible & audible over temperaure, over humidity, water shortage alarm; leakage protector	
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz	
	Consumption (W)	1500	2150
N.W. / G.W. (kg)		120 / 128	155 / 260
Package Dimension(W*D*H)(mm)		810*770*1900	790*910*2060
Optional		Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf	

Climate Chamber

ICB-CC253YC ICB-CC412YC ICB-CC722YC ICB-CC1022YC

ICB-CC253YC

ICB-CC412YC

ICB-CC722YC ICB-CC1022YC

- Capacity: 253L, 412L, 722L, 1022L
- Humidity Range: 30%RH~90%RH
- Light Intensity Control: 320μmol/m²/s (15 cm from light source)
- Adopts cold humidification technology suitable for plant and animal growth

Application

The climate chamber is suitable for microbial and tissue cell culture, plant cultivation and growth, as well as the rearing of insects and small animals.

Performance Advantages

PID

Programmable microcomputer fuzzy PID control technology, with two modes: 30 segments and 99 cycles, or real-time operation according to Beijing time (24 hours a day). Gradient and slope control of temperature rise and fall are achieved through programming settings of parameters such as temperature and humidity, airflow speed, light intensity, running time, and heating rate.

The new diffusion-type air duct circulation system improves the uniformity of temperature and humidity. Adopts cold humidification technology suitable for plant and animal growth.

Features

Wide-screen display: Convenient for setting programs and observing temperature, humidity, fan speed, running time, etc. It is equipped with temperature, humidity and water level alarm functions (visual indicators and audible prompts).

Over-temperature protection system: Automatically interrupts operation when the preset temperature range is exceeded, featuring audible and visual alarms to ensure the safety of samples and the experimental environment.

USB interface: Used to connect a printer or USB flash drive for real-time recording of temperature and humidity data during the experiment.

Independent ventilation fan: Efficiently exhausts heat generated by the refrigeration compressor and electrical control components.

Shelves: Made of SUS304 stainless steel; The shelf height is adjustable to meet specific requirements.

Shelf-type lamp holder: High layered illumination uniformity with vertical lighting that is ideal for plant growth; equipped with plant growth lamps featuring a complete spectral range.

Square steel base: Constructed from integrally welded rectangular square steel for high strength and durability, ensuring stability without vibration.

Universal casters: Can be freely turned and locked; made of wear-resistant polyurethane.

φ40 test hole: Convenient for monitoring; equipped with a silicone soft plug to prevent air convection.

German-style outer door handle: 90° rotating design with 4-point forced locking mechanism, ensures superior sealing, prevents air leakage, and enhances thermal insulation performance.

Outer casing: Made of high-quality cold-rolled steel plate with powder coating technology, with uniform thickness and a simple and beautiful appearance.

Performance Advantages

The frost-free design effectively avoids temperature and humidity drift caused by the absence of a defrosting function, or significant fluctuations in temperature and humidity during traditional defrosting cycles. It maintains excellent temperature and humidity stability even during long-term experiments.

The circulating fan has three adjustable speeds (high, medium, and low), providing a more stable temperature and humidity environment suitable for the growth of the culture.

The light sources on the chamber top and the shelf-type lamp holders provide vertical and layered illumination, preventing the phototropic bending of plants caused by side-wall lighting and ensuring good light uniformity. With five adjustable light intensity levels, temperature and light can simulate natural weather patterns throughout the day.

The refrigeration system adopts hot gas bypass energy regulation technology to ensure efficient and safe operation of the compressor under high-temperature conditions.

Specifications

Model		ICB-CC253YC	ICB-CC412YC	ICB-CC722YC	ICB-CC1022YC
Capacity (L)		253	412	722	1022
Circulation Mode		Forced Convection (Balanced Type)	Forced Convection (Balanced Type)		
Dimension(W*D*H)	Internal (mm)	640*460*860	560*530*1390	980*530*1390	980*750*1390
	External (mm)	800*780*1570	1025*810*1735	1445*810*1735	1445*1030*1735
Temperature	Range (℃)	With lighting:5~50; Without lighting: 0~50	With lighting:5~50; Without lighting: 0~50		With lighting:10~50; Without lighting: 5~50
	Resolution (℃)	0.1	0.1		
	Fluctuation (℃)	±0.8	±0.8		±1
Humidity	Range	30%RH~90%RH	30%RH~90%RH		
	Fluctuation	±3%RH~±5%RH	±3%RH~±5%RH		
Light Intensity Control (5-level adjustable)		320μmol/m²/s (15 cm from light source)	320μmol/m²/s (15 cm from light source)		
Operating Ambient Temperature (℃)		5-30	5-30		
Shelves (Standard)		2	3	3	3
Shelf-type Lamp Holder		Two layers	Three layers	Three layers	Three layers
Test Hole (mm)		φ40	φ40		
Electricity	Voltage/Frequency	AC 220V, 50Hz	AC 220V, 50Hz		
	Consumption (W)	2300	2875	4025	4370
Safety Protection	Refrigeration System	Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.	Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.		
	Others	Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.	Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.		

Climate Chamber

ICB-CC420T **ICB-CC1000T**

ICB-CC420T

ICB-CC1000T

Function Introduction

Temperature & Humidity

Precise Control

The chamber utilizes high-precision sensors combined with an intelligent PID algorithm to accurately control temperature fluctuations, providing a stable and reliable environment for experiments.

Ultrasonic Humidification

Equipped with an integrated humidification system and an internal circulation design, the chamber ensures convenient water replenishment and long-term, stable operation.

Air Circulation

Internal & External Circulation

Continuous convection exchange with manually adjustable ventilation control.

Internal Circulation

Supports segmented wind speed adjustment within the range of 30% to 100%.

Intelligent Control

Programming

Supports gradient control of time, humidity, temperature, illumination, and wind speed, simulating various climatic conditions such as day and night to meet different plant growth requirements.

Features

Power-Off Data Protection

Resumes previous state after power restoration.

Abnormal Alarm

Door open timeout alarm, temperature over-limit alarm, and sensor failure alarm.

Automatic Timed Defrost

On-demand defrosting with precise, continuous temperature control.

Intelligent Control

Accurate control of temperature and light intensity, providing an ideal experimental environment.

Sterilization

UV sterilization, automatically turning off after the set time.

Multiple Safety Protection

Leakage protection, fault circuit protection, over-temperature protection, compressor overload protection, and current overload protection.

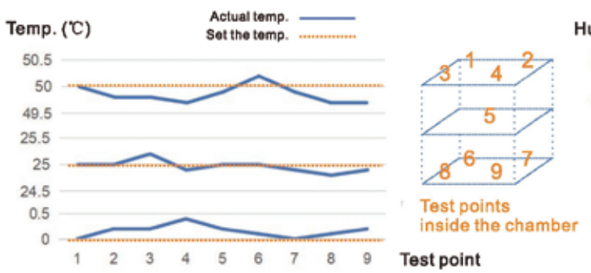
Description

The Intelligent Artificial Climate Chamber can accurately control temperature, humidity, illuminance, and wind speed.

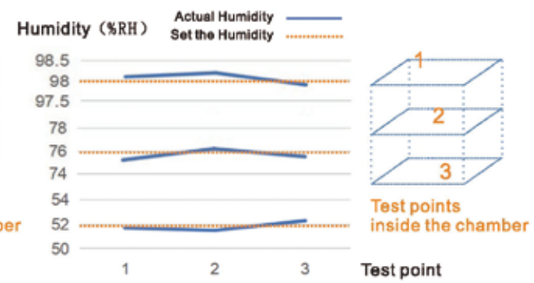
- Capacity: 420L, 1000L
- Illumination Method: Three-sided illumination
- Illumination Range: 0~22,000 Lux
- Temperature Control Range: 0 ~ 65°C (Lights OFF); 10~50°C (Lights ON)
- With panoramic glass inner door and adjustable pull-out mesh system

Precise Control

The chamber adopts precision sensors combined with intelligent PID algorithm to accurately control temp. fluctuations , providing a stable and reliable environment for experiments.

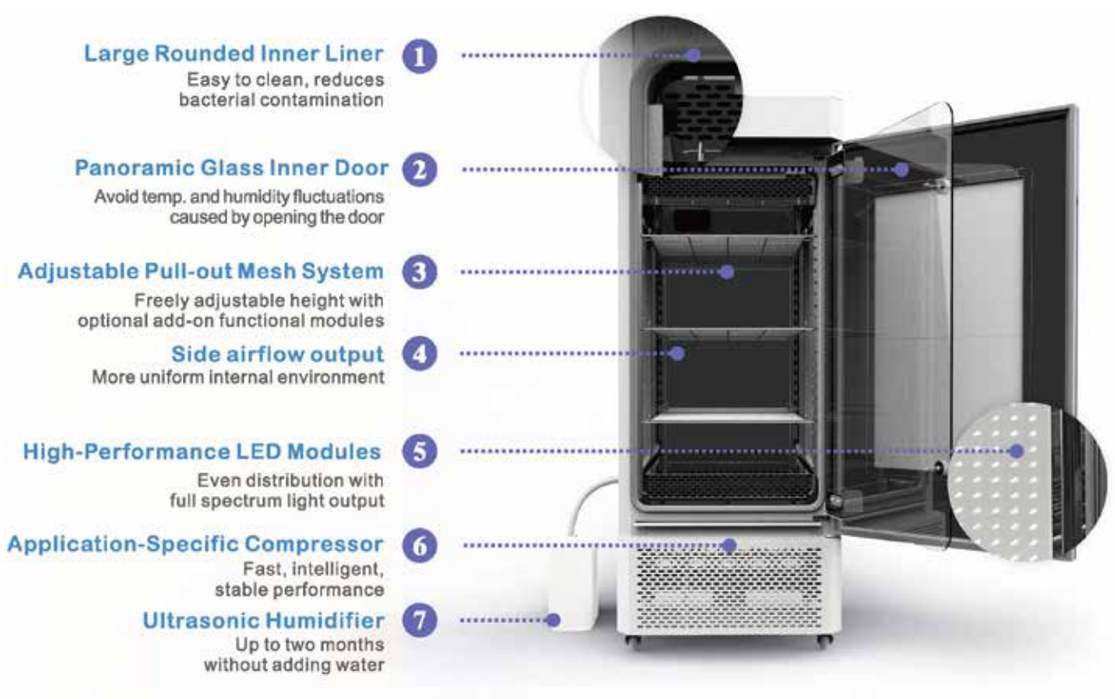


Temp. fluctuation of chamber



Humidity fluctuation of the chamber

Internal Structure



Specifications

Model	ICB-CC420T	ICB-CC1000T
Capacity	420L	1000L
Illumination Method	Three-sided illumination	
Illumination Range	0~22,000 Lux (higher illumination can be customized)	
Illumination Levels	0 ~ 100%	
Temperature Control Range	0 ~ 65°C (Lights OFF) 10~50°C (Lights ON)	
Humidity Control Range	50～95% RH (Chamber temp.: 10-50℃)	50～95% RH (Chamber temp.: 10-50℃)
	50～80% RH (Chamber temp.: 50-55℃)	50～70% RH (Chamber temp.: 50-55℃)
	50～60% RH (Chamber temp.: 55-60℃)	<50% RH (Chamber temp.: 55-60℃)
	<50% RH (Chamber temp.: 60-65℃)	<40% RH (Chamber temp.: 60-65℃)
Temperature Fluctuation	±0.1℃ (Tested at chamber temperature 25.0℃, humidity 50%RH)	±0.3℃ (Tested at chamber temperature 25.0℃, humidity 50%RH)
Temperature Uniformity	≤±0.5℃ (Tested at chamber temperature 25.0℃, humidity 50%RH)	≤±1℃ (Tested at chamber temperature 25.0℃, humidity 50%RH)
Humidity Fluctuation	±2%RH (Tested at chamber temperature 25.0℃, humidity 50%RH)	±3%RH (Tested at chamber temperature 25.0℃, humidity 50%RH)
Programming Segments	30 experimental programs can be stored, each with 1~99 programmable segments	
Internal Dimensions	635*560*1165mm	1415*560*1165mm
External Dimensions	762*765*1900mm	1552*765*1940mm
Electricity	AC 220V/50Hz, 10A	AC 220V/50Hz, 16A
Max. Power Consumption	1200W	2500W
Communication Interface	Standard RJ45 Ethernet port, Wi-Fi, USB data port, and IoT functionality	

Illumination Chamber

ICB-L250B ICB-L350B ICB-L450B

Key Features

Energy-saving

Imported compressor, safe and reliable.

Defrosting function: three-stage electric heating defrosting program control.

Intelligent control

Large high efinition LCD display, with intelligent microcomputer control, parameter real-time display.

The intelligent temperature control system can continuously control temperature, light level and running time.

Internal circulation system

Back suction and bottom forced convection system.

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

Dedicated sheet metal processing

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.

Humanized design

Optional observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

Digital independent temperature limiter control sound and light alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point.

Application

It is widely applied to microbial tissue and cell culture, seed germination, seedling culture test, plant cultivation, raising of insects and small animals, etc. Different environmental and climatic conditions can be accurately simulated.

Optional

Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf

Specifications

Model		ICB-L250B	ICB-L350B	ICB-L450B
Capacity (L)		250	350	450
Circulation Mode		Forced convection		
Dimension (W*D*H)	Internal (mm)	560*420*1050	560*530*1200	700*530*1210
	External (mm)	660*660*1700	670*730*1880	810*790*1890
Temperature	Range (℃)	With lighting: 10 ~ 50	Without lighting: 4 ~ 50	
	Fluctuation (℃)	±1		
	Resolution (℃)	0.1		
	Sensor	PT100		
Illumination (Lx)		0 ~ 12000	0 ~ 15000	0 ~ 20000
Illumination Control		6-level relative illuminance control		
Controller		PID		
Display		Large high efinition LCD		
Timer (min)		1 ~ 9999 (Optional 30*segments*100 cycles)		
Material	Internal	Stainless steel		
	External	Cold rolled steel electrostatic spraying exterior		
Shelves		3	3	4
Test Hole (Optional) (mm)		Φ 25, 50, 80		
Refrigerant		R134a (CFC free)		
Defrosting Mode		Automatic		
Safety Device		Visible & audible over temperaure, leakage protector		
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	1500	2150	2250
N.W. / G.W. (kg)		103/123	128/149	153/175
Package Dimension(W*D*H)(mm)		800*750*1910	910*780*2030	880*850*2100
Optional		Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf		

Illumination Chamber

ICB-L180B ICB-L290B ICB-L400B ICB-L520B

- Capacity: 173L, 288L, 400L, 516L
- Temperature Range: With lighting:10~65℃; Without lighting: 0~65℃
- 6000LX single-sided illumination, LED light source
- PID temperature controller, 24-segment program

Standard

φ35mm test hole

USB data storage

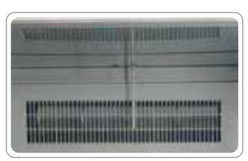
Optional

Independent external temperature protection device

Micro thermal printer or dot matrix printer

Features

Microcomputer intelligent PID temperature controller for precise temperature control; Equipped with parameter memory function, automatically resuming operation after power restoration.

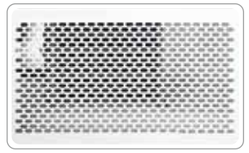


The inner chamber is equipped with a fan to create micro-airflow circulation, improving the temperature uniformity inside the chamber.

Outer casing material: Cold-rolled steel plate with powder coating; Inner chamber material: SUS304 stainless steel plate.

The inner chamber adopts an arc structure design for easy cleaning.

Pull-out removable shelves with adjustable spacing.



Uses SECOP refrigeration compressor, high efficiency and low consumption; uses CFC-free environmentally friendly refrigerant.

Equipped with casters for easy movement.

Application

This product is a high-precision constant temperature device with illumination function. It can be used for plant germination, seedling cultivation, microbial culture, BOD determination in water quality monitoring, and other constant temperature experiments. It is an ideal experimental device for production, scientific research, and teaching departments in biological genetic engineering, medicine, agricultural and forestry environmental science, animal husbandry and aquaculture.

Specifications

Model		ICB-L180B	ICB-L290B	ICB-L400B	ICB-L520B
Capacity (L)		173	288	400	516
Circulation Mode		Forced convection			
Dimension (W*D*H)	Internal (mm)	550*450*700	600*600*800	800*550*910	800*710*910
	External (mm)	700*840*1590	800*990*1690	1000*910*1800	1000*1070*1800
Temperature	Range (℃)	With lighting:10~65; Without lighting: 0~65			
	Uniformity (℃)	±1			
	Fluctuation (℃)	±0.5			
	Display Accuracy	0.1			
	Control Accuracy	±0.1			
Illumination		6000LX single-sided illumination, LED light source			
Illumination Control		5-level adjustable			
Controller		PID temperature controller, 24-segment program			
Display		LCD			
Shelves		3	3	3	3
Alarm Types		Over-temperature alarm, temperature probe damage alarm			
Electricity	Voltage/Frequency	1Ø, 220V/50Hz			
	Consumption (W)	1000	1000	1500	1500
N.W. / G.W. (kg)		165/209	203/256	218/278	237/297

CO_2 Incubator

ICB-CO2-40Y ICB-CO2-80Y ICB-CO2-150Y
ICB-CO2-190Y ICB-CO2-240Y

Key Features

Faster CO_2 concentration restoration speed

If the door needs to be opened frequently during the experiment, infrared sensors are the best choice.

The imported infrared (IR) sensor has the characteristics of fast monitoring of carbon dioxide gas and is not affected by fluctuations in external temperature and humidity.

Internal circulation system

Adopts high-quality fan, higher ventilation efficiency and better temperature uniformity.

The circulation fan speed can be automatically controlled.

High cleanliness level

The door temperature controller can effectively prevent condensation on the glass door of the incubator and prevent the possibility of microbial contamination caused by condensation water from the glass door.

The CO_2 air inlet is equipped with a high-efficiency microbial filter. For particles with a diameter of 0.3μm or greater, the filtration efficiency is as high as 99.99%, effectively filtering bacteria and dust particles in CO_2 gas.

HEPA high-efficiency filter can effectively filter out bacteria and dust particles in the outside air, keeping the incubator in a sterile state.

Humanized design

Can be stacked (two layers) to make full use of laboratory space

The large LCD screen above the outer door can display temperature, CO2 concentration, relative humidity, and the menu-based operation interface is simple and easy to understand, easy to observe and use.

With temperature limit alarm system and visible& audible alarm system.

Low temperature, high temperature and over-temperature alarms, CO_2 too high or too low concentration alarms.

Safety facilities such as alarms if the door is opened for too long and UV sterilization working status reminders.

Application

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

ICB-CO2-40Y ICB-CO2-80Y
ICB-CO2-150Y ICB-CO2-190Y
ICB-CO2-240Y

ICB-CO2-40Y ICB-CO2-80Y
ICB-CO2-150Y ICB-CO2-190Y
ICB-CO2-240Y

Specifications

Model		ICB-CO2-40Y	ICB-CO2-80Y	ICB-CO2-150Y	ICB-CO2-190Y	ICB-CO2-240Y
Capacity(L)		40	80	155	190	240
Circulation Mode		Forced convection		Forced convection		
Dimension (W*D*H)	Internal (mm)	400*286*350	400*450*500	480*530*610	520*530*690	600*630*670
	External (mm)	590*440*576	590*687*790	670*767*880	708*710*1030	788*837*940
Temperature	Range (℃)	RT.+5~55		RT.+5~55		
	Fluctuation (℃)	±0.1		±0.1		
	Resolution (℃)	±0.1		±0.1		
	Recovery	(Door open 30s, recovery to 37℃ ≤ 8min		(Door open 30s, recovery to 37℃ ≤ 8min		
Humidity	Range	＞90%		＞90%		
	Method	Natural vaporization		Natural vaporization		
CO_2	Range	0~20%		0~20%		
	Resolution	±0.1%		±0.1%		
	Sensor	IR sensor		IR sensor		
	Recovery	(Door open 30s, recovery to 5%)≤3min		(Door open 30s, recovery to 5%)≤3min		
Heating Method		Air-jacketed, PID Control		Air-jacketed, PID Control		
Display		LCD		LCD		
Material	Internal	304 Stainless steel		304 Stainless steel		
	External	Cold rolled steel		Cold rolled steel		
Shelves(Standard / Max)		2/4	2/4	3/6	3/6	3/6
Test Hole (mm)		ϕ50		ϕ50		
Safety Device		Temperature limit alarm, visible& audible alarm, Low temperature, high temperature and over-temperature alarms, CO_2 too high or too low concentration alarms, Alarm for long door opening time, UV sterilization working status reminder		Temperature limit alarm, visible& audible alarm, Low temperature, high temperature and over-temperature alarms, CO_2 too high or too low concentration alarms, Alarm for long door opening time, UV sterilization working status reminder		
Sterilization Method		90℃ high-temperature moist heat sterilization		90℃ high-temperature moist heat sterilization		
Electricity	Voltage/Frequency	AC 220/110V, 50/60Hz		AC 220/110V, 50/60Hz		
	Consumption (W)	350	500	750	750	950
N.W./G.W. (kg)		50/70	64/90	85/112	90/134	95/148
Package Dimension(W*D*H)(mm)		650*710*740	750*710*960	840*790*1070	860*860*1170	960*900*1160
Optional		Humidity display system ; Shelf ; UV Sterilization		Humidity display system ; Shelf ; UV Sterilization		

CO_2 Incubator

ICB-CO2-50H ICB-CO2-80H ICB-CO2-150H
ICB-CO2-190H ICB-CO2-240H ICB-CO2-30W
ICB-CO2-80W ICB-CO2-150W

Key Features

Faster CO_2 concentration restoration speed

If the door needs to be opened frequently during the experiment, infrared sensors are the best choice.

The infrared (IR) sensor has the characteristics of fast monitoring of carbon dioxide gas and is not affected by fluctuations in external temperature and humidity.

Internal circulation system

Adopts high-quality fan, higher ventilation efficiency and better temperature uniformity.

The circulation fan speed can be automatically controlled.

High cleanliness level

The door temperature controller can effectively prevent condensation on the glass door of the incubator and prevent the possibility of microbial contamination caused by condensation water from the glass door.

The CO_2 air inlet is equipped with a high-efficiency microbial filter. For particles with a diameter of 0.3μm or greater, the filtration efficiency is as high as 99.99%, effectively filtering bacteria and dust particles in CO_2 gas.

With UV sterilization system that can regularly disinfect the inside of chamber.

Humanized design

Two-layer stacking makes full use of laboratory space.

Microcomputer LCD controller, precise and reliable control.

The stainless steel chamber and shelves have semi-circular arc transitions at the four corners, and the shelves brackets can be freely assembled and removed for easy cleaning.

Independent temperature limit alarm system to ensure safe operation of the experiment.

Low temperature, high temperature and over-temperature alarms.

Alarm for long door opening time.

Application

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

Specifications

Model		ICB-CO2-50H ICB-CO2-80H	ICB-CO2-150H ICB-CO2-190H	ICB-CO2-240H	ICB-CO2-30W ICB-CO2-80W	ICB-CO2-150W
Capacity(L)		50/80	150/190	240	26/80	150
Circulation Mode		Forced convection		Forced convection		
Dimension (W*D*H)	Internal (mm)	400*350*350	480*530*610	600*630*670	290*290*310	500*500*650
		400*450*500	520*530*690		400*400*500	
	External (mm)	580*450*730	670*710*950	788*837*940	440*410*544	650*615*914
		590*657*870	708*710*1030		550*520*764	
Temperature	Range (℃)	RT.+5~55		RT.+5~55		
	Fluctuation (℃)	±0.2		±0.2	±0.1	
	Resolution (℃)	±0.1		±0.1		
	Recovery	(Door open 30s, recovery to 37℃ ≤ 8min		(Door open 30s, recovery to 37℃ ≤ 8min		
Humidity	Range	≥90%		≥90%		
	Method	Natural vaporization		Natural vaporization		
CO_2	Range	0~20%		0~20%		
	Resolution	±0.1%		±0.1%		
	Sensor	IR sensor		IR sensor		
	Recovery	(Door open 30s, recovery to 5%)≤3min		(Door open 30s, recovery to 5%)≤3min		
Heating Method		Air-jacketed, PID Control		Air-jacketed, PID Control	Water-jacketed, PID Control	
Display		LCD		LCD		
Material	Internal	304 Stainless steel		304 Stainless steel		
	External	Cold rolled steel		Cold rolled steel		
Shelves(Standard / Max)		2/4	3/6	3/6	2/4	3/6
Test Hole (mm)		φ50		φ50		
Safety Device		Low temperature, high temperature and over-temperature alarms, Alarm for long door opening time		Low temperature, high temperature and over-temperature alarms, Alarm for long door opening time		
Sterilization Method		UV Sterilization		UV Sterilization		
Electricity	Voltage/Frequency	AC 220/110V, 50/60Hz		AC 220/110V, 50/60Hz		
	Consumption (W)	450/500	750	950	250/680	950
N.W./G.W. (kg)		59/80	83/126	95/148	50/65	68/125
		64/96	85/134		55/90	
Package Dimension(W*D*H)(mm)		720*670*930	830*840*1250	930*910*1220	580*560*810	830*780*1070
		760*720*1060			700*670*1010	
Optional		Humidity display system		Humidity display system		
		Printer (Nested)		Printer (Nested)		
		HEPA high efficiency filter		HEPA high efficiency filter		

Shaking Incubator

ICB-S0420 ICB-S1020

ICB-S1020

Key Features

Large high efinition LCD display,with intelligent microcomputer control, parameter real-time display

Gentle and reliable shaking with direct brushless DC motor.

Built-in temperature calibration function.

Seven interchangeable platforms can be chosen for variety demands.

Application

The constant temperature incubation shaker is a small bench-top shaking incubator that combines the functions of gas bath constant temperature and horizontal oscillation.

It is widely used in the fields of biotechnology, microbiology, medical analysis, etc.

A variety of optional trays meet the placement and fixation of various flasks, beakers, petri dishes, test tubes and other containers.Its ingenious combination of precise temperature control and low frequency and high amplitude oscillation functions;And it has the characteristics of small size, convenient operation, simple maintenance and so on.

SAFETY

Self-stop protection when the door is opened, and safety alarm.

Auto restart in case of power failure.

With over temperature control of visible& audible alarm system.

Optional

Fixture

Specifications

Model		ICB-S0420	ICB-S1020
Capacity (L)		45	160
Circulation		Forced convection	
Shake Mode		Convolution	
Orbit Diameter (mm)		Φ20	
Cyclotron Frequency	Range (rpm / min)	50~300	50 ~ 250
	Resolution (rpm)	10	
Temperature	Range (℃)	RT+5 ~ 60	
	Fluctuation (℃)	≤±0.5 (37℃)	
	Resolution (℃)	0.1	
	Uniformity (℃)	≤±0.5 (37℃)	
Dimension (W*D*H)	External (mm)	421*320*338	632*502*512
	Platform (mm)	230*230	350*350
Controller		Microcomputer	
Display		Large high efinition LCD	
Timer		1min~99h59min/∞	
Safety Device		Running safely: heating and shaking will be automatically stopped once the lid is open.	
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz	
	Consumption (W)	350	600
N.W. / G.W. (kg)		18.5 / 25.5	41 / 58
Package Dimension(W*D*H)(mm)		570*470*460	760*630*700
Optional		Fixture	

Optional Fixture

ICB-S1020

TOS30-T1

PF-1

ICB-S0420

PF-2

PF-3

PF-4

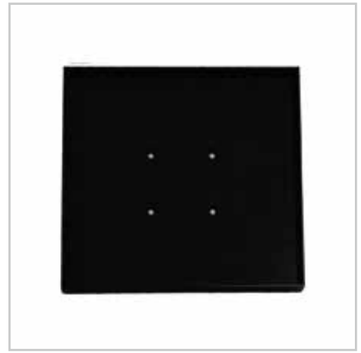
TOS30-T2

TOS30-T3

TOS30-T4

PF-5

PF-6



PF-7

Shaking Incubator

ICB-S100B ICB-S200B ICB-S100D
ICB-S200D ICB-SL100F ICB-SL200F

Key Features

Intelligent control

Large high efinition LCD display,with intelligent PID control, parameter real-time display.

Reservation timing switch function.

It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.

Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components, inclined humanized control panel.

Humanized design

Environmentally friendly refrigerant, CFC free.

The unique unidimensional drive system makes the machine run smoothly, stably, durable and reliable.

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Safety

With over temperature control of visible & audible alarm system.

The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.

Fault self-diagnosis function,auto-stop operation when door is opened and safety alarm.

Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

Optional

Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination

ICB-S100B ICB-S200B ICB-S100D
ICB-S200D ICB-SL100F ICB-SL200F

ICB-S100B ICB-S200B ICB-S100D
ICB-S200D ICB-SL100F ICB-SL200F

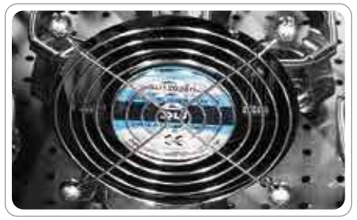
Specifications

Model		ICB-S100B	ICB-S200B	ICB-S100D	ICB-S200D	ICB-SL100F	ICB-SL200F
Capacity (L)		70		70			
Circulation		Forced convection		Forced convection			
Drive Mode		Multidimensional drive		Unidimensional drive		Track drive	
Shake Mode		Convolution		Convolution			
Orbit Diameter (mm)		Φ26		Φ0-50			
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture), 20-300		0 (to do static culture), 20-600		0 (to do static culture), 20-260	
	Resolution (rpm)	±1		±1			
Temperature	Range (℃)	RT +5 ~ 65	4 ~ 65 (RT. 25)	RT +5 ~ 65	4 ~ 65 (RT: 25)	RT +5 ~ 65	4 ~ 65 (RT: 25)
	Fluctuation (℃)	≤0.1 (37℃)		≤0.1 (37℃)			
	Resolution (℃)	± 0.1		± 0.1			
	Uniformity (℃)	± 0.6 (37℃)		± 0.6 (37℃)			
Dimension (W*D*H)	External (mm)	750*710*520		750*710*520			
	Platform (mm)	450*410		410*360			
Flask Clamp	Max. capacity	100ml*23 or 250ml*15 or 500ml*9 or 1000ml*6 or 2000ml*4		100ml*23 or 250ml*15 or 500ml*9 or 1000ml*6 or 2000ml*4	100ml*23 or 250ml*15 or 500ml*9 or 1000ml*6 or 2000ml*4		
	Standard capacity	500ml*3 250ml*3 100ml*4 50ml*4	500ml*3 250ml*4 100ml*5 50ml*5	500ml*3 250ml*3 100ml*4 50ml*4	500ml*3 250ml*4 100ml*5 50ml*5	500ml*3 250ml*3 100ml*4 50ml*4	500ml*3 250ml*4 100ml*5 50ml*5
Sticky Mat (Optional)	Max. capacity	100ml*30 or 250ml*20 or 500ml*9 or 1000ml*8 or 2000ml*4		100ml*21 or 250ml*16 or 500ml*9 or 1000ml*5 or 2000ml*4			
Controller		PID microcomputer		PID microcomputer			
Control Mode		Fixed value mode, static mode, multi-segment program control mode		Fixed value mode, static mode, multi-segment program control mode			
Display		Large high efinition LCD		Large high efinition LCD			
Timer (h)		0 ~ 9999 (or continuous operation)		0 ~ 9999h (or continuous operation)			
Refrigerant		/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)
Defrosting Mode		/	Automatic	/	Automatic	/	Automatic
Safety Device		Self-diagnosis, visible & audible over temperaure, abnormal status alarm		Self-diagnosis, visible & audible over temperaure, abnormal status alarm			
Electricity	Voltage/Frequency(V/Hz)	AC 220 / 110V, 50/ 60Hz		AC 220 / 110V, 50 / 60Hz			
	Consumption (W)	550	650	550	650	550	650
N.W. / G.W. (kg)		75 / 105	90 / 120	75 / 95	9 / 120	75 / 105	90 / 120
Package Dimension(W*D*H)(mm)		870*870*700	880*870*710	870*870*700	880*880*710	870*870*705	870*870*705
Optional		Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination		Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination			

Shaking Incubator

ICB-S1102C ICB-S2102C ICB-S1102CD ICB-S2102CD
ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D
ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F

Key Features



Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

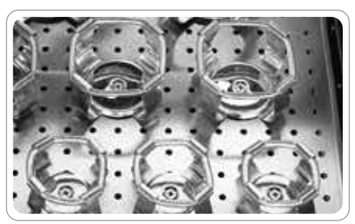
High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.

Intelligent control

Large high efinition LCD display, with intelligent PID control, parameter real-time display.

Reservation timing switch function.

It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.



Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components.

Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

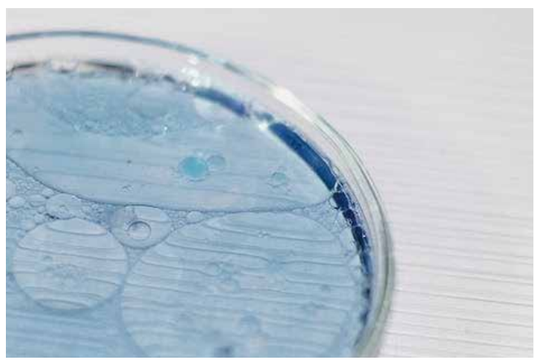
The anti-scalding design of the door handle makes it easy to open and close the door.

Safety

With over temperature control of visible & audible alarm system.

Fault self-diagnosis function, auto-stop operation when door is opened and safety alarm.

The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.



Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

Optional

Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination

ICB-S1102C ICB-S2102C
ICB-S1102CD ICB-S2102CD

ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D
ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F

Specifications

Model		ICB-S1102C	ICB-S2102C	ICB-S1102CD	ICB-S2102CD	ICB-S1102	ICB-S2102
Capacity (L)		175	175	218	218	335	335
Circulation		Forced convection		Forced convection			
Drive Mode		Multidimensional drive		Multidimensional drive			
Shake Mode		Convolution		Convolution			
Orbit Diameter (mm)		Φ 26		Φ 26			
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture); 20 ~ 350		0 (to do static culture); 20 ~ 350			
	Resolution (rpm)	±1		±1			
Temperature	Range (℃)	RT+5 ~ 65	4 ~ 65 (RT.25)	RT+5 ~ 65	4~65 (RT.25)	RT+5 ~ 65	4 ~ 65 (RT.25)
	Fluctuation (℃)	≤0.1 (37℃)		≤0.1 (37℃)			
	Resolution (℃)	± 0.1		± 0.1			
	Uniformity (℃)	±0.5 (37℃)		±0.5 (37℃)			
Dimension (W*D*H)	External (mm)	700*580*1280		700*710*1320		950*700*1280	
	Platform (mm)	500*360	500*360	485*485	485*485	710*455	710*455
Flask Clamp	Max. capacity	100ml*60 or 250ml*38 or 500ml*22 or 1000ml*16		100ml*68 or 250ml*50 or 500ml*32 or 1000ml*18		100ml*100 or 250ml*56 or 500ml*44or 1000ml*24	
	Standard capacity	250ml*24		250ml*48		250ml*28 500ml*22	
Sticky Mat (Optional)	Max. capacity	100ml*60 or 250ml*36 or 500ml*24 or 1000ml*16		100ml*68 or 250ml*50 or 500ml*32 or 1000ml*18		100ml*120 or 250ml*70 or 500ml*44 or 1000ml*24	
Controller		PID microcomputer		PID microcomputer			
Control Mode		Fixed value mode, static mode, multi-segment program control mode		Fixed value mode, static mode, multi-segment program control mode			
Display		Large high efinition LCD		Large high efinition LCD			
Timer (h)		0 ~ 9999 (or continuous operation)		0 ~ 9999 (or continuous operation)			
Refrigerant		/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)
Defrosting Mode		/	Automatic	/	Automatic	/	Automatic
Safety Device		Self-diagnosis, visible & audible over temperaure, abnormal status alarm.		Self-diagnosis, visible & audible over temperaure, abnormal status alarm.			
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz			
	Consumption (W)	600	850	600	850	900	1150
N.W. / G.W. (kg)		160 / 210	180 / 220	180 / 230	200 / 240	270 / 330	280 / 340
Package Dimension (W*D*H) (mm)		825*720*1490	825*720*1490	850*840*1500	850*830*1480	1050*820*1490	1050*820*1490
Optional		Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination		Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination			

ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D
ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F

ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D
ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F

Specifications

Model		ICB-S1102D	ICB-S2102D	ICB-S1112B	ICB-S2112B	ICB-SL1112F	ICB-SL2112F
Capacity (L)		400	400	580	580	580	580
Circulation		Forced convection		Forced convection			
Drive Mode		Multidimensional drive		Multidimensional drive		Track drive	
Shake Mode		Convolution		Convolution		Reciprocate	
Orbit Diameter (mm)		Φ 26		Φ 26		Φ 0 ~ 50	
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture) ; 20 ~ 350		0 (to do static culture) ; 20 ~ 280		0 (to do static culture) ; 20 ~ 260	
	Resolution (rpm)	±1		±1			
Temperature	Range (℃)	RT+5 ~ 65	4 ~ 65 (RT.25)	RT+5 ~ 65	4 ~ 65 (RT.25)	RT+5 ~ 65	4 ~ 65 (RT.25)
	Fluctuation (℃)	≤0.1 (37℃)		≤0.1 (37℃)			
	Resolution (℃)	± 0.1		± 0.1			
	Uniformity (℃)	±0.5 (37℃)		±0.5 (37℃)			
Dimension (W*D*H)	External (mm)	1020*700*1460		1200*800*1630			
	Platform (mm)	780*450	780*450	950*550	950*550	950*550	950*550
Flask Clamp	Max. capacity	100ml*114 or 250ml*90 or 500ml*56 or 1000ml*30		100ml*140 or 250ml*90 or 500ml*72 or 1000ml*42			
	Standard capacity	250ml*39 500ml*23		250ml*45 500ml*36			
Sticky Mat (Optional)	Max. capacity	250ml*78 or 500ml*46 or 1000ml*30		250ml*112 or 500ml*76 or 1000ml*42			
Controller		PID microcomputer		PID microcomputer			
Control Mode		Fixed value mode, static mode, multi-segment program control mode		Fixed value mode, static mode, multi-segment program control mode			
Display		Large high efinition LCD		Large high efinition LCD			
Timer (h)		0 ~ 9999 (or continuous operation)		0 ~ 9999 (or continuous operation)			
Refrigerant		/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)
Defrosting Mode		/	Automatic	/	Automatic	/	Automatic
Safety Device		Self-diagnosis, visible & audible over temperaure, abnormal status alarm.		Self-diagnosis, visible & audible over temperaure, abnormal status alarm.			
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz			
	Consumption (W)	900	1150	1100	1400	1100	1400
N.W. / G.W. (kg)		290 / 350	300 / 360	500 / 580	520 / 600	500 / 580	520 / 600
Package Dimension(W*D*H)(mm)		1200*900*1600	1220*900*1660	1355*950*1795			
Optional		Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination		Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination			

Shaking Incubator

ICB-S111B ICB-S211B ICB-S111BD ICB-S211BD
ICB-S111C ICB-S211C ICB-SL111F ICB-SL211F

Key Features

Intelligent control

Large high efinition LCD display,with intelligent PID control, parameter real-time display.

Reservation timing switch function.

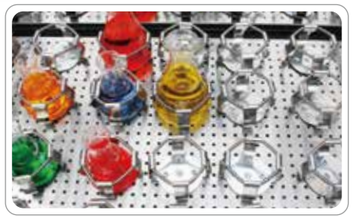
It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.

Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.



Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components, inclined humanized control panel.

Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Safety

With over temperature control of visible & audible alarm system.

Fault self-diagnosis function,auto-stop operation when door is opened(optional) and safety alarm.

The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.

Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

Optional

Fixture、7 inches touch screen (USB data storage)、
UV sterilization device、Illumination

ICB-S111B ICB-S211B
ICB-S111BD ICB-S211BD
ICB-S111C ICB-S211C
ICB-SL111F ICB-SL211F

ICB-S111B ICB-S211B ICB-S111BD ICB-S211BD
ICB-S111C ICB-S211C ICB-SL111F ICB-SL211F

Specifications

Model		ICB-S111B	ICB-S211B	ICB-S111BD	ICB-S211BD	ICB-S111C	ICB-S211C	ICB-SL111F	ICB-SL211F
Capacity(L)		203		220		296		203	
Circulation		Forced convection				Forced convection			
Drive Mode		Multidimensional drive				Multidimensional drive		Track drive	
Shake Mode		Convolution				Convolution		Reciprocate	
Orbit Diameter (mm)		Φ 26				Φ 26		Φ 0 ~ 50	
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture); 20 ~ 350				0 (to do static culture) ; 20 ~ 350		0 (to do static culture); 20 ~ 260	
	Resolution (rpm)	±1				±1			
Temperature	Range (℃)	RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)
	Fluctuation (℃)	≤0.1 (37℃)				≤0.1 (37℃)			
	Resolution (℃)	± 0.1				± 0.1			
	Uniformity (℃)	±0.5 (37℃)				±0.5 (37℃)			
Dimension (W*D*H)	External (mm)	1200*760*880				1200*760*1050		1200*760*880	
	Platform (mm)	920*500		920*540		920*500			
Flask Clamp	Max. capacity	100ml*66 or 250ml*45 or 500ml*28 or 1000ml*15 or 2000ml*11		100ml*72 or 250ml*67 or 500ml*42 or 1000ml*24 or 2000ml*15		250ml*45 or 500ml*28 or 1000ml*15 or 2000ml*11 or 3000ml*8 or 5000ml*6		100ml*66 or250ml*45 or 500ml*28 or 1000ml*15 or 2000ml*11	
	Standard capacity	500ml*28		500ml*38		2000ml*8		500ml*28	
Sticky Mat (Optional)	Max. capacity	100ml*77 or 250ml*48 or 500ml*32 or 1000ml*18 or 2000ml*14		250ml*67 or 500ml*38 or 1000ml*24 or 2000ml*15		250ml*48 or 500ml*32 or 1000ml*18 or 2000ml*14 or 3000ml*8 or 5000ml*6		100ml*77 or 250ml*48 or 500ml*32 or 1000ml*18 or 2000ml*14	
Controller		PID microcomputer				PID microcomputer			
Control Mode		Fixed value mode, static mode, multi-segment program control mode				Fixed value mode, static mode, multi-segment program control mode.			
Display		Large high efinition LCD				Large high efinition LCD			
Timer (h)		0 ~ 9999 (or continuous operation)				0 ~ 9999 (or continuous operation)			
Refrigerant		/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)
Defrosting Mode		/	Automatic	/	Automatic	/	Automatic	/	Automatic
Safety Device		Self-diagnosis, visible & audible over temperaure, abnormal status alarm.				Self-diagnosis, visible & audible over temperaure, abnormal status alarm			
Electricity	Voltage/Frequency	AC 220 / 110V, 50 / 60Hz				AC 220 / 110V, 50 / 60Hz			
	Consumption (W)	650	900	650	900	650	950	650	900
N.W. / G.W. (kg)		170 / 250	190 / 260	170 / 250	190 / 260	180 / 260	200 / 270	170 / 250	190 / 260
Package Dimension(W*D*H)(mm)		1332 *850 *1050				1350*860*1260		1332*850*1050	
Optional		Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination				Fixture、7 inches touch screen (USB data storage)、UV sterilization device、Illumination			

Shaking Incubator

ICB-2S106 ICB-2S206 ICB-2S103
ICB-2S203 ICB-2S102 ICB-2S202

ICB-2S103 ICB-2S203 ICB-2S102 ICB-2S202

Key Features

Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

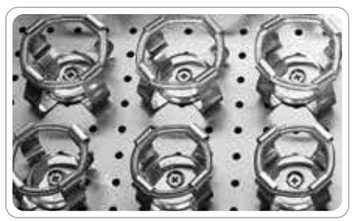
High efficiency and energy saving compressor, stable temperature control and low power consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.

Intelligent control

Large high efinition LCD display,with intelligent PID control, parameter real-time display.

It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.



Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components.

Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Built-in diversion waterproof system.

Built-in humidification pan.

Safety

With over temperature control of visible & audible alarm system.

Standard UV sterilization device (including air duct disinfection)and lighting.

Fault self-diagnosis function,auto-stop operation when door is opened and safety alarm.

The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.

Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

Optional

Fixture、7 inches touch screen (USB data storage)

ICB-2S106
ICB-2S206

ICB-2S103 ICB-2S203
ICB-2S102 ICB-2S202

Specifications

Model		ICB-2S106	ICB-2S206	ICB-2S103	ICB-2S203	ICB-2S102	ICB-2S202
Capacity (L)		164	164	180	180	306	306
Circulation		Forced convection	Forced convection				
Drive Mode		Multidimensional drive	Multidimensional drive				
Shake Mode		Convolution	Convolution				
Orbit Diameter (mm)		Φ 26	Φ 26				
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture); 20 ~ 350 (top floor 20 ~ 300)	0 (to do static culture) ; 20~350 (top floor 20 ~ 300)				
	Resolution (rpm)	±1	±1				
Temperature	Range (℃)	RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)
	Fluctuation (℃)	≤0.1 (37℃)	≤0.1 (37℃)				
	Resolution (℃)	± 0.1	± 0.1				
	Uniformity (℃)	± 0.6 (37℃)	± 0.6 (37℃)				
Dimension (W*D*H)	External (mm)	890*760*650 (per unit)	870*755*650 (per unit)	1120*790*620 (per unit)		1360*830*620 (per unit)	
	Platform (mm)	475*465	475*465	610*460		830*510	
Flask Clamp	Max. capacity	250ml*25 or 500ml*16 or1L*9 or 2L*5 (3L*5 or 5L*4) (per unit)	250ml*25 or500ml*16 or 1L*9 or 2L*5 (per unit)	250ml*32 or 500ml*21 or 1L*13 or 2L*7 (per unit)		250ml*60 or 500ml*33 or 1L*20 or 2L*11 (per unit)	
	Standard capacity	500ml*16	500ml*16	500ml*20		500ml*33	
Sticky Mat (Optional)	Max. capacity	250ml*25 or500ml*16 or 1L*9 or 2L*5 (per unit) or3L*4or5L*2	250ml*25 or500ml*16 or 1L*9 or 2L*5(per unit)or3L*4 or5L*2	250ml*32 or 500ml*20 or 1L*12 or 2L*8 (per unit)		250ml*55 or 500ml*33 or1L*18 or 2L*15 (per unit)	
Controller		PID microcomputer	PID microcomputer				
Control Mode		Fixed value mode, static mode, multi-segment program control mode	Fixed value mode, static mode, multi-segment program control mode				
Display		Large high efinition LCD	Large high efinition LCD				
Timer (h)		0 ~ 9999 (or continuous operation)	0~9999 (or continuous operation)				
Refrigerant		/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)
Defrosting Mode		/	Automatic	/	Automatic	/	Automatic
Safety Device		Self-diagnosis, visible & audible over temperaure, abnormal status alarm	Self-diagnosis, visible & audible over temperaure, abnormal status alarm				
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz	AC 220 / 110V, 50 / 60Hz				
	Consumption (W)	550	650	1000	1200	1600	1800
N.W. / G.W. (kg)		140 / 160	150 / 190	190 / 220	190 / 230	200 / 230	210 / 240
Package Dimension(W*D*H)(mm)		930*1020*850 (per unit)	1070*920*860 (per unit)	1275*950*810 (per unit)		1520*990*830 (per unit)	
Optional		Fixture、7 inches touch screen (USB data storage)	Fixture、7 inches touch screen (USB data storage)				

Shaking Incubator

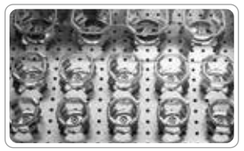
ICB-CO2-2S202 ICB-CO2-2S203 ICB-CO2-2S206

Key Features

Cooling system

High efficiency and energy saving compressor, stable temperature control and low power consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.



Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components.

Intelligent control

Large high efinition LCD display, with intelligent PID control, parameter real-time display.

Automatic locking and alarm for speed deviation, and alarm for temperature deviation.

Reservation timing switch function.

It has a multi-stage speed, temperature, and time control system.

Using original imported infrared sensor, automatic control of CO_2, concentration, sensitive response and high precision.

Close the door and restart the device after opening the door for 30 seconds, the temperature recovery time is ≤6min (37°C), and the CO_2 concentration recovery time is ≤6min (5%).

Humanized design

With a USB data recording system.

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Built-in diversion waterproof system.

Built-in humidification pan(Except ICB-CO2-2S206).

Safety

With over temperature control of visible & audible alarm system.

Standard UV sterilization device (including air duct disinfection)and lighting.

Fault self-diagnosis function,auto-stop operation when door is opened and safety alarm.

The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.

Application

This product is used for the cultivation of cells, tissue culture and some special microorganisms; or it is necessary to control the experimental temperature and apply a cyclotron motion to the experimental solution.

Optional

Various flask clamps, universal spring tray.

Specifications

Model		ICB-CO2-2S202	ICB-CO2-2S203	ICB-CO2-2S206
Capacity (L)		310	184	164
Circulation		Forced convection	Forced convection	
Drive Mode		Multidimensional drive	Multidimensional drive	
Shake Mode		Convolution	Convolution	
Orbit Diameter (mm)		Φ 50 (Φ 26, Φ 35 can be customized)	Φ 50 (Φ 26, Φ 35 can be customized)	
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture) ; 20 ~ 300	0 (to do static culture); 20 ~ 300	
	Resolution (rpm)	±1	±1	
CO_2	Range	0 ~ 20.0%	0 ~ 20.0%	
	Fluctuation	± 0.1% (concentration: 5%)	± 0.1% (concentration: 5%)	
Temperature	Range (℃)	4 ~ 65 (20℃)	4 ~ 65 (20℃)	
	Fluctuation (℃)	≤0.1 (37℃)	≤0.1 (37℃)	
	Resolution (℃)	± 0.1	± 0.1	
	Uniformity (℃)	± 0.6 (37℃)	± 0.6 (37℃)	
Dimension (W*D*H)	External (mm)	1420*820*630 (per unit)	1120*790*620 (per unit)	890*760*650 (per unit)
	Platform (mm)	905*505	600*450	475*465
Flask Clamp	Max. capacity	250ml*53 or 500ml*35 or 1000ml*20 or 2000ml*11 (per unit)	250ml*32 or 500ml*20 or 1000ml*12 or 2000ml*7 (per unit)	250ml*25 or 500ml*16 or 1000ml*9 or 2000ml*5 (per unit)
	Standard capacity	500ml*33	500ml*20	500ml*16
Sticky Mat (Optional)	Max. capacity	250ml*46 or 500ml*33 or 1000ml*18 or 2000ml*11 (per unit)	250ml*30 or 500ml*18 or 1000ml*12 or 2000ml*6 (per unit)	250ml*25 or 500ml*16 or 1000ml*9 or 2000ml*5 (per unit)
Controller		PID microcomputer	PID microcomputer	
Control Mode		Fixed value mode, static mode, multi-segment program control mode	Fixed value mode, static mode, multi-segment program control mode	
Display		7 inches touch screen	7 inches touch screen	
Timer (h)		0 ~ 999.9 (or continuous operation)	0 ~ 999.9 (or continuous operation)	
Refrigerant		R134a (CFC free)	R134a (CFC free)	
Defrosting Mode		Automatic	Automatic	
Safety Device		Self-diagnosis, visible & audible over temperaure, abnormal status alarm	Self-diagnosis, visible & audible over temperaure, abnormal status alarm	
Electricity	Voltage / Frequency (V / Hz)	AC 220 / 110V, 50 / 60Hz	AC 220 / 110V, 50 / 60Hz	
	Consumption (W)	1800	1200	650
N.W. / G.W. (kg)		260 / 296	200 / 250	170 / 200
Package Dimension(W*D*H)(mm)		1580*990*830 (per unit)	1275*950*810 (per unit)	1020*930*850 (per unit)
Optional		Various flask clamps, universal spring tray.	Various flask clamps, universal spring tray.	

Shaking Incubator

ICB-S50Y ICB-S70Y ICB-S70LY

- Capacity: 50L, 70L
- Shaking Speed: 20-300rpm
- Shaking Amplitude: Φ20mm (standard)
- Temperature Range: RT+5～65℃, 4℃~65℃
- With UV sterilization and power failure recovery function

Application

The shaking incubators are widely used for the culture, fermentation, hybridization, and biochemical reactions of microorganisms, viruses, and bacteria, as well as for cell and tissue research. They provide essential support for enzyme engineering and other applications with specific requirements for temperature, shaking frequency, and amplitude.

Features

- With power failure recovery function.
- Precise speed control: High-speed accuracy with a soft-start design; Automatic locking when the speed is out of control.
- With UV sterilization function.
- The bottom of the working chamber features a waterproof design, ensuring that liquid spills will not affect the normal operation of the equipment.
- LCD display for easy parameter setting and clear monitoring.
- The start-up speed is adjustable.
- Optional RS485 interface, printer, USB interface

Specifications

Model	ICB-S50Y	ICB-S70Y	ICB-S70LY
Capacity	50L	70L	70L
Circulation Mode	Forced convection		
Control Mode	PID Microcomputer		
Shaking Speed	20-300rpm		
Shaking Accuracy	±1rpm		
Shaking Amplitude	Φ20mm (standard)		
Temperature Range	RT+5～65℃	RT+5～65℃	4℃~65℃
Temperature Resolution	0.1℃		
Temperature Uniformity	±0.5℃ (37℃)		
Program Control	Optional		Standard
Max. Capacity (Stainless Steel Clamps)	250ml*12 or 500ml*8 or 1000ml*6	250ml*15 or 500ml*12 or 1000ml*6	
Platform Size (W*D)	300*410mm	340*490mm	
Internal Dimensions (W*D*H)	475*350*305mm	535*390*330mm	
External Dimensions (W*D*H)	520*670*525mm	580*720*550mm	585*860*550mm
Electricity	220V/50Hz		
Operating Environment	<25℃ (ambient temperature)		