

OVENS & INCUBATORS





Iris Laboratory Incubators are designed to provide the ideal environment for any cell culture application including biochemical studies, bacteriology, hematological studies, research microbiological determination, and pharmaceutical stability. Our incubators offer flexibility to the researcher as well as optimal performance for a stable and reliable environment. Specific design features are used to minimize contamination problems while making them more energy efficient and offering a safe environment for your cells lines.

Iris range of incubators include;

- Bacteriological Incubators
- Refrigerated Incubators
- CO2 Incubators
- Shaking Incubators

Microbiological Incubators

The Iris laboratory incubator is widely used in the process of drying, sterilisation, heated storage, heat treatment and other fields in laboratories and research units.

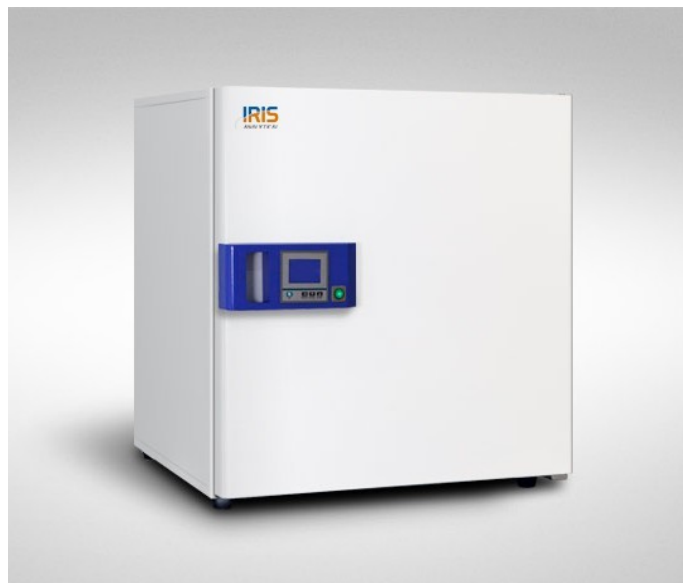


The IP-100 Touchscreen Laboratory Incubator adopts the international advanced cavity preheating technology, to meet different temperature requirements and provide a constant temperature environment, with the thermal insulation, to ensure the smooth progress of the experiment and culture of the sample as well as IQ, OQ, PQ and other related certification services.

- Integrated, dot-matrix LCD display, Chinese and English subtitles, design for the highest operational comfort.
- User-friendly design. Display parameters: temperature, humidity, cycle, run time, run/stop.
- Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units), real-time monitoring.
- To meet customer needs, Time setting: 0-99h, 0-9999min
- All set operations are recognized voice prompts, easy to operate.
- Can use the remote control of computer software, professional supporting the operation ALLSENS™ programmable software (optional).

Precision Heating Incubator IP-1000 Series

Modern high-class laboratories recommend to use ,suitable culture temperature environment with higher requirements for users



Apply to such as cultivation of microorganisms industries, the necessary equipment for healthcare, biotechnology, agriculture and scientific experiments.

- Precision LCD microcomputer intelligent PID control system, with temperature control, timing and over-temperature alarm, with RS485 computer interface;
- With standard international brands cooling fan, maintenance-free, durability. Perfect combination of duct design to ensure temperature uniformity for the working chamber;
- Mirror stainless steel inner, anti-acid, anti-corrosion characteristics. Corners semicircular is easy to clean, up and down pitch adjustable shelf;
- Electric film heating elements made of carbon fiber ,with advanced cavity preheating, the cavity temperature to reduce temperature fluctuations.
- Portable integrated data printer
- intelligent programmable temperature controller
- independent limit of the temperature controller
- Microcomputer communications software

Model	IP-1050		IP-1080		IP-1160	
Interior Volume (L)	50		80		160	
Interior Volume (Cubic feet)	1.6		2.8		5.6	
Convection Mode	Forced Convection					
Control System	Microprocessor PID					
Temp. Range ???	RT+3? ~ 65?					
Temp. Accuracy???	±0.1?					
Temp. Fluctuation ???	±0.5?in the of range 3?50??					
Temp. Uniformity	1%?in the of range 3?50??					
Internal Dimensions (H×W×D) mm	380*380*350		480*480*350		600*600*450	
External Dimensions (H×W×D) mm	580*530*600		680*630*600		800*750*700	
Timer Range	0?999min					
Working environment	Ambient temperature?10~30?, Humidity<70%					
Insulation materials	High Quality environmental protection type material					
Interior steel materials	SUS304 stainless steel inner					
The number of standard tray	2					
Power?W?	0.3		0.3		0.45	
Net weight (KG)	31		42		57	
Shipping weight(KG)	34		45		61	
Packing size?mm? ?H×W×D?	700*610*680		800*710*680		920*830*780	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number						

Touch screen Laboratory Incubator IP-100 Series

The IP-100 Touchscreen Laboratory Incubator is widely used in the process of drying, sterilization, heated storage, heat treatment, and other fields in laboratories and research units.



The IP-100 Touchscreen Laboratory Incubator adopts the international advanced cavity preheating technology, to meet different temperature requirements and provide a constant temperature environment, with the thermal insulation, to ensure the smooth progress of the experiment and culture of the sample as well as IQ, OQ, PQ, and other related certification services.

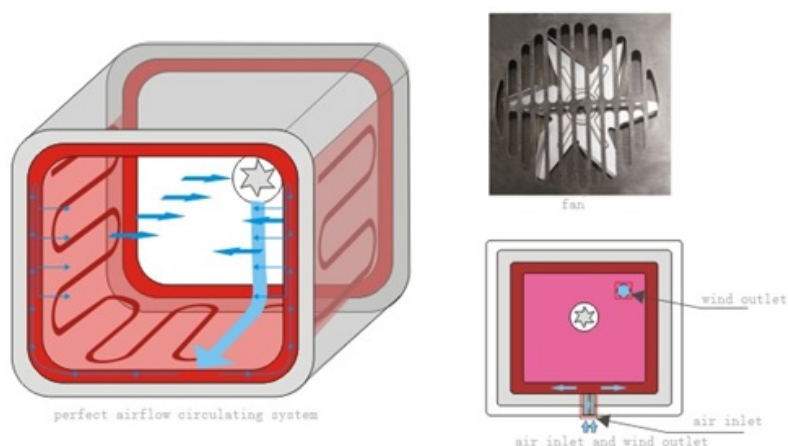
Warm-up technology

- The advanced cavity preheat technology is the heating elements evenly distributed around the tank, the pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection so that the cavity temperature of every point can be accurately achieved and maintain settings, thus ensuring uniform distribution of cavity temperature;
- Uniform distribution of heat, so low energy consumption, heat not easily lost, and enables customers to use cost reduction.



Perfect air current cycling

1. Air current cycling: perfect forced convection, maximum samples number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.
2. Air current cycling: keep temperature continuous and stable, the wind speed can be adjusted, with fan switch function, ensure perfect sample culture environment



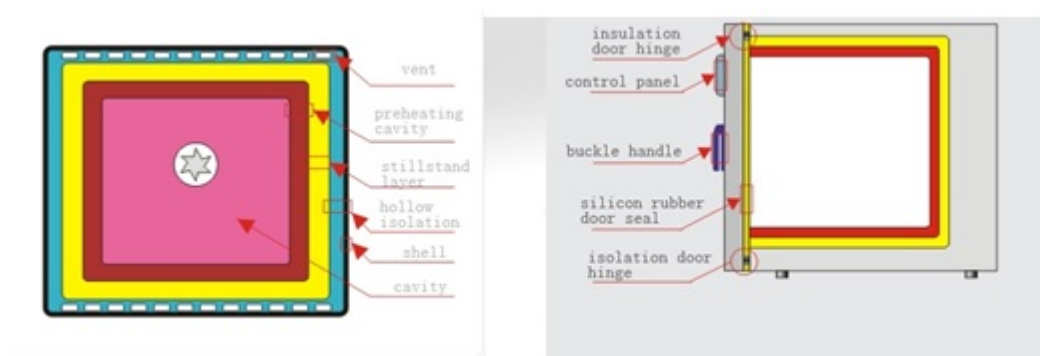
Programmable PID control

- Integrated, dot-matrix LCD display, Chinese and English subtitles, design for the highest operational comfort.
- User-friendly design. Display parameters: temperature, humidity, cycle, run time, run/stop.
- Adaptive PID controller precisely controls the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units), real-time monitoring.
- To meet customer needs, Time setting: 0-99h, 0-9999min
- All set operations are recognized voice prompts, easy to operate.
- Can use the remote control of computer software, professional supporting the operation programmable software (optional).



Isolation Insulation Technology

1. Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.
2. Imports of high-density thermal insulation material wrapped liner, Based on the effective use of heat as a concept, use complete isolation design between the liner and shell to avoid energy loss due to heat transfer.
3. Silicone door seal, isolation type hinge design, with the door handles, belt fastening to ensure tightness.



Excellent imported sensor

Imported industrial sensor PT100, short response time, low self-heating temperature.



Ergonomic design

- Laboratory of classical color design, international fashion design, arc-shaped design, for highest operational comfort.
- Integrated design that contains original outside handle and LCD screen, ergonomic structure, comfortable viewing angle, convenient to open the outside door and operate interface.
- Interval and number of mesh shelf can be adjusted according to customer requirements. Maximum capacity to meet customer needs.
- Comfortable vertical structure, maximize work chamber, working room in the upper, convenient to take.
- Double door design, easy observation samples, keep temperature stability, with bell-type lighting system.



Modern manufacturing processes

Sheet metal parts use laser cutting and CNC bending technology. Cold-rolled sheets use three line of acidification anti-rust technology. Incubator surface use workmanship of spraying plastics.

Easy to clean

- Internal surface is smooth and less weld, easy cleaning and maintenance.
- Pull multilayer shelf design, less metal accessories, easy to clean.

Convenient maintenance

- Liquid crystal micro-computer controller with diagnostic function. Display operating parameters including historical record, temperature and humidity data.
- Electrical control components and working room are installed separately. installed behind incubator, easy to maintenance.

Secure and efficient protection concept

- Multiple over temperature protection function, sound and light alarm.
- Automatic double over temperature protection function.
- All electronic components are UL certified.
- All over temperature protection devices meet Germany standard DIN standard D12880 Class 3.1.

Model	IP-400		IP-700		IP-1300	
Convection Mode	Forced Convection					
Control System	Microprocessor PID					
Temp. Range ???	RT+3? ~ 65?					
Temp. Accuracy???	0.1					
Temp. Fluctuation ???	±0.5?in the of range 3?50??					
Temp. Uniformity	1%?in the of range 3?50??					
Internal Dimensions (H×W×D) mm	350×350×350		450×450×350		550×550×450	
Timer Range	0?99h?or 0?9999min?can be choose					
Working environment	Ambient temperature?10~30?, Humidity<70%					
Insulation materials	Imported environmental protection type material					
External Dimensions (H×W×D) mm	570×580×593		670×680×593		770×780×693	
Interior Volume (L)	40		70		130	
Interior Volume (Cubic feet)	1.5		2.5		4.6	
Interior steel materials	SUS304 stainless steel inner					
The number of standard tray	2					
Power?W?	770		970		1270	
Net weight (KG)	40		48		65	
Shipping weight(KG)	43		51		69	
Packing size?mm? ?H×W×D?	690×660×680		790×760×680		890×860×780	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number						

Cooled Incubator

Iris cooled Incubator is recognised as an exceptional unit suitable for a wide range of applications requiring a 0°C to +65°C. Iris cooling incubators are gentle on samples and provide high-quality performance for safe, reproducible incubation possible, even at high ambient temperatures. It combines exceptional performance with low energy consumption.



The wide variety of temperatures and lighting patterns that are essential in research, environmental studies and testing can now be accurately reproduced and controlled.

Cooled Incubators IC-2000U Series

The Iris cooled incubator IC-2000U offers great results whenever a rapid and precise changeover between heating and cooling phases in ramp operation is required. Suitable for a wide range of applications requiring a 0°C to +65°C

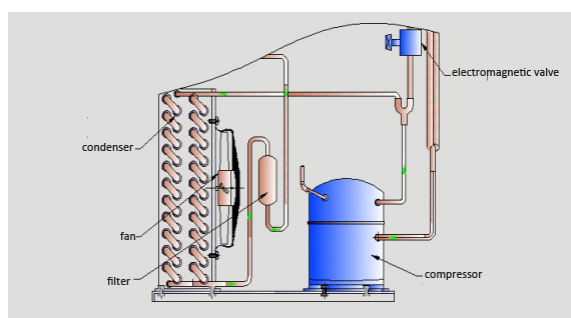


The IC-2000 cooled Incubator is recognised as an exceptional unit suitable for a wide range of applications requiring a 0°C to +65°C. Iris cooling incubators are gentle on samples and provide high-quality performance for safe, reproducible incubation possible, even at high ambient temperatures. It combines exceptional performance with low energy consumption.

- Applicable to the analysis and BOD determination of water, is a dedicated research department of environmental protection, health and epidemic prevention, drug testing, livestock, aquatic thermostatic device.
- Provide a stable temperature environment, simulate various climatic conditions, especially used in samples tests—shelf life tests—long-term experiments and cultivation of plants—seeds and microorganisms.
- According to AS3100 of Australia, FDA of the United States, EN, ICH and other related standards. For long-term acceleration experiments and forced degradation experiments.
- IQ, OQ, PQ and other related certification services.
- CE certification.
- Two-year warranty.

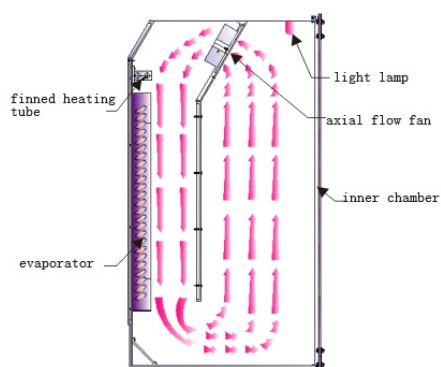
ALLCOLD Refrigeration technology

- Balanced refrigeration technology, auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving.
- Auto-defrost function: original rapid heat pump defrost technology, for continuous operation, effectively prevent frost because of continuous operation of evaporator.
- Refrigeration effect manual control system: meet customer's terrible work environment.
- Imported DuPont SUVA R134 a environmental refrigerant. For cleaner world, for better work condition.
- To save energy, to reduce the cost.



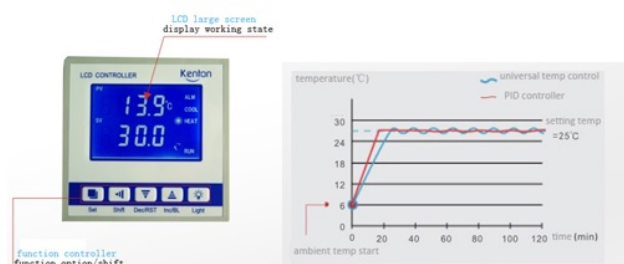
ALLFLOW perfect air current cycling

- ALLFLOW air current cycling: perfect forced convection, maximum samples number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.
- ALLFLOW air current cycling: keep temperature continuous and stable, keep humidity continuous and stable, ensure perfect sample culture environment.



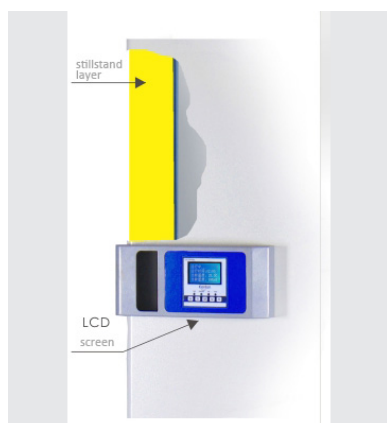
ALLSENS Programmable PID Control

- Integrated, dot-matrix LCD display, designed for the highest operational comfort.
- Display parameters: temp humidity, cycle, run time, run/stop.
- Adaptive PID controller precisely control the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units), real-time monitoring.
- Programmable multi-sections control, to meet customer needs, temperature and humidity control up to 30 sets. Time setting: 0-99h, 0-9999m, programs can be executed automatically cycles.
- Set operations with beep tips
- Remote-controlled operation, with programmable software (option). Bacteria-free culture with UV disinfection (meet Mold incubator).



Efficient Isolation Design

- Design of double-layer isolation, reduce power consumption, environmental protection concept, energy conservation.
- Internal isolated door design, easy observation of working room samples, keep temperature stability of working room.



Ergonomic design

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Modern manufacturing processes

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Convenient maintenance

- Liquid crystal micro-computer controller with diagnostic function. Display operating parameters including historical record, temperature and humidity data.
- Maintaining of controlling system and cooling system, electrical control system mounted on the incubator bottom.

- Electrical control components and working room are installed separately. Especially refrigerating battery and electrical control output parts, which are installed in incubator bottom, easy to maintenance.



Excellent Sensor

- Industrial sensor PT100, short response time, low self-heating temperature.

Easy to clean

- Internal surface is smooth and less weld, easy cleaning and maintenance.
- Pull multilayer shelf design, less metal accessories, easy to clean.
- Drainage design of chamber humidification collecting tank. User can discharge water as required to avoid bacteria.

Secure and efficient protection concept

- Multiple over temperature protection function, sound and light alarm.
- Automatic double over temperature protection function.
- All electronic components are UL certified.
- All over temperature protection devices meet Germany standard DIN standard D12880 Class 3.1.

Model	IC-2100U		IC-2150U		IC-2250U		IC-2400U	
Interior Volume (L)	100		150		250		400	
Interior Volume (Cubic feet)								
Convection Mode	Forced Convection							
Control System	Microprocessor PID							
Temp. Range ???	0~65?							
Temp. Accuracy???	0.1?							
Temp. Fluctuation ???	±0.5?							
Temp. Uniformity	±1							
Internal Dimensions (H×W×D) mm	610×490×390		760×510×390		1100×510×450		1050×600×640	
External Dimensions (H×W×D) mm	1250×630×680		1410×650×680		1730×650×740		1700×745×930	
Timer Range	0?9999min							
Working environment	Ambient temperature?10~30?, Humidity<70%							
Insulation materials	High Quality environmental protection type material							
Interior steel materials	SUS304 stainless steel inner							
The number of standard tray	3		3		4		4	
Power?W?	850		1000		1100		1100	
Net weight (KG)	95		107		135		158	
Shipping weight(KG)	120		133		162.5		188	
Packing size?mm? ?H×W×D?	1450×730×830		1605×760×830		1935×760×890		1907×815×1090	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number								

Cooled Incubator IC-2000 Series

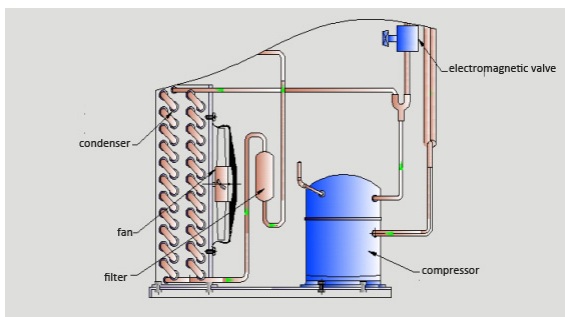
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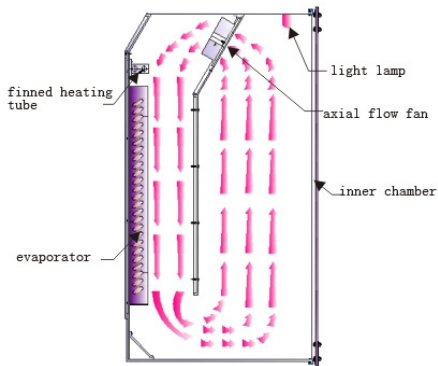


ALLFLOW perfect air current cycling

- ALLFLOW air current cycling: perfect forced convection, maximum samples number of working room, minimum

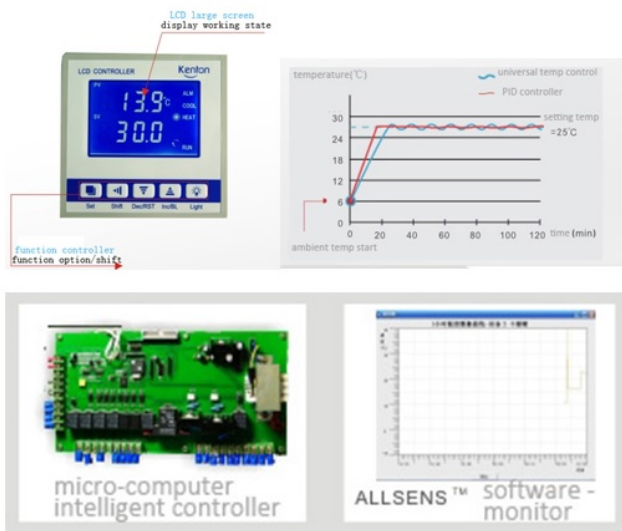
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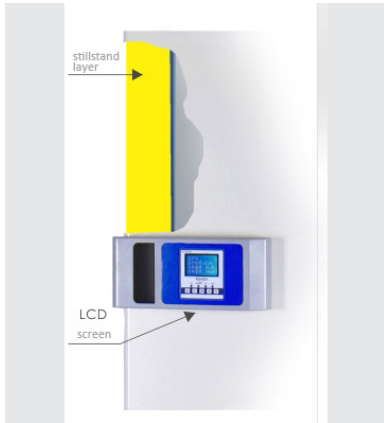
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- Electrical control components and working room are installed separately. Especially refrigerating battery and electrical control output parts, which are installed in incubator bottom, easy to maintenance.



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- Industrial sensor PT100, short response time, low self-heating temperature.

Easy to clean

- Internal surface is smooth and less weld, easy cleaning and maintenance.
- Pull multilayer shelf design, less metal accessories, easy to clean.
- Drainage design of chamber humidification collecting tank. User can discharge water as required to avoid bacteria.

Secure and efficient protection concept

- Multiple over temperature protection function, sound and light alarm.
- Automatic double over temperature protection function.
- All electronic components are UL certified.
- All over temperature protection devices meet Germany standard DIN standard D12880 Class 3.1.

Model	IC-2100		IC-2150		IC-2250		IC-2400	
Interior Volume (L)	100		150		250		400	
Interior Volume (Cubic feet)								
Convection Mode	Forced Convection							
Control System	Microprocessor PID							
Temp. Range ???	0~65?							
Temp. Accuracy???	0.1?							
Temp. Fluctuation ???	±0.5?							
Temp. Uniformity	±1							
Internal Dimensions (H×W×D) mm	610×490×390		760×510×390		1100×510×450		1050×600×640	
External Dimensions (H×W×D) mm	1250×630×680		1410×650×680		1730×650×740		1700×745×930	
Timer Range	0?9999min							
Working environment	Ambient temperature?10~30?, Humidity<70%							
Insulation materials	High Quality environmental protection type material							
Interior steel materials	SUS304 stainless steel inner							
The number of standard tray	3		3		4		4	
Power?W?	850		1000		1100		1100	
Net weight (KG)	95		107		135		158	
Shipping weight(KG)	120		133		162.5		188	
Packing size?mm? ?H×W×D?	1450×730×830		1605×760×830		1935×760×890		1907×815×1090	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number								

CO2 Incubators

CO2 incubators are widely used in scientific research to grow and maintain cell cultures. The Iris CO2 incubator provides you with unsurpassed natural simulation to ensure optimum growth conditions for your culture at all time. That's why they become the first choice of researchers in fields of application include tissue engineering, in vitro fertilization, neuroscience, cancer research and other mammalian cell research.



Cell cultivation in particular is a highly sensitive process in which bacteria, viruses, fungal spores and mycoplasmas can destroy valuable cultures or distort test results, causing more work. Heal Force solves this problem using a unique design and effective method to ensure sterile conditions.

- Moist heat disinfection
- Ultraviolet disinfection
- Easy-to-clean design
- Inlet filter for CO2 supply
- Absolutely condensation-free
- Optimum temperature control
- Divided, inner glass door
- Auto-start function
- HEPA filter
- Optimized air flow system
- Auto-Zero/Auto-Start
- Automatic control door heater
- Humidity display and alarming system
- Stackable design
- Automatic gas cylinder switchover system

Portable CO₂ Incubator

The Portable CO₂ Incubator high-temperature disinfection, a stainless steel chamber shelves and a fan through air circulation, its design makes it easy to clean and provides high contamination protection.



Portable CO₂ Incubator IPCI-1000

Portable CO₂ Incubator IPCI-1000 filled with sterile distilled water creating humidity through passive evaporation. Maintain relative humidity levels of about 80%. This small capacity portable incubator maximizes laboratory space in convenient model design. Designed with quick recovery and Accurate CO₂ control by IR Sensor. Power plug and car jack. The IR CO₂ sensor allows for hot air sterilization of the chamber at 45°C.



- Built-in IR CO₂ sensor for fast recovery and precise control
- Offer precise readings and fast verification of CO₂ incubator levels
- The Shelves materials constructed with stainless steel
- Inner chamber capacity: 15.5 L
- Temperature and CO₂ level display on the digital display for easy analysis of reading
- Compiled with Peltier design for heating and cooling process
- Maintain humidity levels of about 80%

Air Jacketed CO₂ Incubator

Air Jacketed CO₂ Incubator provides hot air sterilization technology with its advanced CO₂ sensor. Keep the culture sample by keeping them with insulated stainless steel construction and an air jacket temperature conditioned. Delivers unique safety against extra heat loss. Our incubators are the ideal choice for laboratories concerned with exposing their cultures to potential disruption of power or significant ambient temperature fluctuations.



Air Jacketed CO₂ Incubator IACI-1000

Air Jacketed CO₂ Incubator IACI-1000 with 6-sided direct heating technology, the incubator chamber is heated from all six sides, including the door. Manifold fast temperature sensors and innovative microprocessor PID control regulate the 3 individual heating circuits to assure homogenous temperature within the chamber. As an additional option, the incubators can be equipped with decontamination; Oxygen Control is available in CO₂ incubators, 25mm Access Port at left side and LED display, temperature alarm. The chamber constructed of, type 304L stainless steel, which delivers an easily cleanable inert surface that does not promote biological growth.



- Offer fast Heat-Up, Fast-Recovery, Stable Control with 6 Sides Direct Heating System
- The Electric Heating wire is covered on all sides of the chamber which makes stable uniformity and provides fast heat-up & temperature recovery
- Individually control and calibrated with 3 temperature sensors.
- The unit is suitable for Dry Wall and Air Jacket provide Warm Air from the heating wire is preserved in space between the chamber and insulation.
- It helps temperature recovered faster and minimizes heat loss. Drywall with insulation is not required for regular maintenance.
- Equipped with DUAL BEAM IR CO₂ Sensor: Detection for CO₂ gas regardless of temperature and humidity.
- Natural Humidification using Water Tray
- The heater on the bottom side warm the water in tray and it makes humidification. The circulation fan delivers the moisture formed from the water in the entire chamber.
- Avoid Condensation: Heating by front door heater & frame heater prevents condensation in the chamber and on the glass door
- Advanced Microprocessor PID Control for CO₂ density, Temperature, Alarm, Automatic Decontamination (Optional).
- Built-in HEPA filter

Model	IACI-1140	IACI-1180	IACI-1260	IACI-1650	IACI-1850
Capacity	40 L	180 L	260 L	650 L	850 L
Temp Range	Range	Ambient 5 to 60 °C			
	Accuracy	±0.1°C @ 37°C			
	Resolution	0.1°C			
	Control	PID			
	Uniformity	±0.3°C (37°C/RT.20°C)	±0.4°C (37°C/RT.20°C)	±0.5°C (37°C/RT.20°C)	±0.5°C (37°C/RT.20°C)
	Heating Capacity	320 W	610 W	1100 W	1400 W
CO ₂ Range	Range	0 to 20%			
	Accuracy	±0.1% (5% / 37°C)			
	Resolution	0.1%			
	Sensor	IR CO ₂ Sensor			
	Control	Microprocessor			
	Inlet Pressure	0.3 to 0.5bar	0.6 to 0.7bar	0.7 to 1.0bar	
Shelves	2/4	3/8	3/8	3/15	3/15
Jacket Type	Dry Wall Type (6 sides heat)				
Material	Stainless Steel				
Display	LED				
Power Consumption	320 W	610 W	1100 W	1400 W	
Dimension	320x350x375mm	473x528x710mm	530x590x900mm	700x650x1430mm	700x800x1530mm
Weight	38 kg	80 kg	115 kg	230 kg	260 kg
Catalogue No.	3601010-04	3601015-04	3601020-04	3601025-04	3601030-04

Incubator Shakers

Iris offers a large selection of shakers designed to stir liquid samples of various different sizes at any controlled speed. Iris incubator shakers are very robust and durable with all stainless steel interiors. Highly efficient insulation guarantees homogenous temperature dispersion as well as reproducible cultivation results.



Additional features for all of these units include intuitive controls with a digital display, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. Our laboratory shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.

Iris Shaking Incubators stand for high quality and cutting edge technology. Whether working with a small bench top incubator shaker or the large incubator shaker, the quality remains the same. Controls are user friendly and can be read at a glance. Each parameter has its own controller employing the latest technology and offering continuous monitoring.

Iris Incubator shakers are often used for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.

Incubator Shakers LS-1000 Series

LS-1000 Series Incubator Shakers offer are often used for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.



Iris incubator shakers are suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint and also many features allowing straightforward, safe handling of product.

- Inside material is SUS304 and outside body is powder painting
- Install light to view inside clearly
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Transparent glass observation window.
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat and over low protector, built-in circulating fan for temperature stability.

Dual Shaking Incubator LS-2000

Dual Shaking Incubator LS-2000 features include intuitive controls with a digital display, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. Our laboratory shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.



The LS-2000 incubator shakers are suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint.

- Inside material is SUS304 and outside body is powder painting
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Internal light provide clear chamber visibility
- Tempered Safety Glass Window for operation view
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Touch Screen panel
- With safety switch to stop shaking when opening door
- Each machine operates independently if required .
- Overheat and over low protector, built-in circulating fan for temperature stability.

Double Door Shaking Incubator DS-1000 Series

Iris DS-1000 Double Door Incubator Shakers feature a rectangular platform that moves in a side-to-side motion within an enclosed chamber providing a controlled environment to agitate samples, which are held down by clamps or a non-slip, rubber mat.



The DS-1000 series incubator shakers are very robust and durable with all stainless steel interiors. Highly efficient insulation guarantees homogenous temperature dispersion as well as reproducible cultivation results.

- Inside material is SUS304 and outside body is powder painting
- The compressor will be delayed to start working if power cut timed defrosting, using environmental cold media R134a
- Internal light provide clear chamber visibility
- Tempered Safety Glass Window for operation view
- With safety switch to stop shaking when opening door
- Touch Screen panel
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat and over low protector, built-in circulating fan for temperature stability.
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty

Incubator Shaker IS-3000 Series

Applicable for fermentation processes with high demands on the precision of the shaking frequency, bacteria incubation, hybridization, life science, pharmacy, medical science, food industry, chemistry, biology, and other laboratory environments.



- Orbital and reciprocate shaking functions
- Setting of the orbital shaking method (clock-wise or counter clock-wise), stopping behaviour, and operation time
- Intelligent control system, which maintains the operation speed and adjusts to load changes
- PID controller for temperature stability and safety protection
- Very good heating characteristics
- Ecologically friendly
- Easy to clean
- Shaking throw and speed adjustable
- Circulation process automatically stops upon opening the door
- In case of temperature overshooting an alarm sound is triggered and heating is cut off
- For the case of an unexpected power breakdown the incubator offers two working options: Automatic re- operation and automatic stop
- Broad range of available accessories

Large Capacity Upright Shaking Incubator LS-3000

Iris LS-3000 Large Capacity Upright Shaking Incubator stands for high quality and cutting edge technology. Whether working with a small bench top incubator shaker or the large incubator shaker, the quality remains the same. Controls are user friendly and can be read at a glance. Each parameter has its own controller employing the latest technology and offering continuous monitoring.



The LS-3000 Series Incubator shakers are often used for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.

- Inside material is SUS304 and outside body is powder painting
- Install light to view inside clearly
- The compressor will be delayed to start working if power cut and with timer for defrost, using environmental protection cold-media R134a.
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Tempered Safety Glass Window for operation view
- Brushless AC motor for long durability and stable performance
- Overheat and over low protector, built-in circulating fan for temperature stability.

Model	LS-3500		LS-3500R		LS-3500D		LS-3500RD		LS-3800		LS-3800D		LS-3800R		LS-3800RD	
Platform	Single				Double				Single				Double			
Platform	Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?	
Platform	Single				Double				Single				Double			
Temperature Range (?)	(D) Ambient + 5?~70? / (RD) 0?~70?															
Temperature Accuracy	±0.1?															
Temperature Control	Micro-computer PID temperature controller															
Temperature Display	LED 2-screen digital display actual and setting temperature															
Shaking Speed	20~250 r.p.m				20~150 r.p.m				20~250 r.p.m				20~150 r.p.m			
Shaking Width	50 mm															
Timer	999 h / 999 min / 999 sec															
Heater	1600 W															
Illumination	Fluorescent lamp 20W															
SHELF (Adjustable)	2				1				2				1			
Volume (L)	560 L				560 L				834L				834L			
Refrigerator	N/A				1/3 HP				N/A				1/2 HP			
Shaking Plate Size mm	740 x 480 mm								960 x 600 mm							
Inside Dimension (WxDxH) mm	860 x 600 x 1100 mm								1100 x 690 x 1100 mm							
Outside Dimension (WxDxH)	940 x 800 x 1840 mm								1190 x 920 x 1840 mm							
Weight (kg)	280kg								300kg							
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54050051	54050052	54050101	54050102	54050151	54050152	54050201	54050202	54050251	54050252	54050301	54050302	54050351	54050352	54050401	54050402

Chest Type Shaking Incubator CS-1000

Iris CS-1000 Series Chest Type Incubator Shakers include intuitive controls with a digital display, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. Our laboratory shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.



The CS-1000 incubator shakers are very robust and durable with all stainless steel interiors. Highly efficient insulation guarantees homogenous temperature dispersion as well as reproducible cultivation results. CS-1000 series incubator shakers are suitable for applications in modern laboratories, research centres and production facilities.

- Inside material is SUS304 and outside body is powder painting
- Screen-touch panel
- Install light to view inside clearly
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Transparent glass observation window.
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat and over low protector, built-in circulating fan for temperature stability.

Model	CS-1510D		CS-1510RD		CS-1530D		CS-1530RD	
Range	Ambient+5?~70?		0?~70?		Ambient+5?~70?		0?~70?	
Accuracy	±0.1?							
Control	PID temperature control							
Display	LED digital display							
Shaking Speed	20~250 r.p.m							
Shaking Width	50 mm							
Timer	999 h / 999 min / 999 sec							
Heater	1200 W							
Illumination	Fluorescent lamp 20W							
Refrigerator	N/A		1/4 HP		N/A		1/3 HP	
Volume	205 L		205 L		381 L		381 L	
Shaking Plate	600 x 480 mm				960 x 600 mm			
Inside Dimension (WxDxH) mm	680 x 560 x 540 mm				1040 x 680 x 540 mm			
Outside Dimension (WxDxH) mm	1010 x 640 x 870 mm				1370 x 760 x 870 mm			
Net Weight	160kg		200kg		270kg		300kg	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54045051	54045052	54045101	54045102	54045151	54045152	54045201	54045202

