IRIS ANALYTICAL

OVENS & INCUBATORS

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Iris cooled Incubator is recognised as an exceptional unit suitable for a wide range of applications requiring a 0ºC to +65ºC. 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. Ssuitable for a wide range of applications requiring a 0ºC to +65ºC

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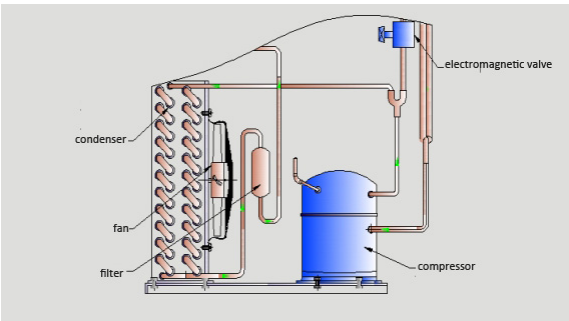
- Applicable to the analysis and BOD determination of water, is a dedicated research department of environmental protection, health and epidemic prevention, drug testing, livestock, aquatic thermostatic device.
- Provide a stable temperature environment, simulate various climatic conditions, especially 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.

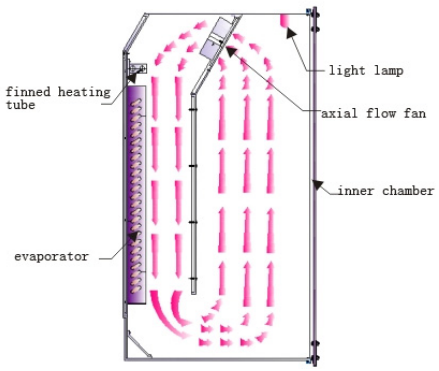
ALLCOLD Refrigeration technology

- 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.



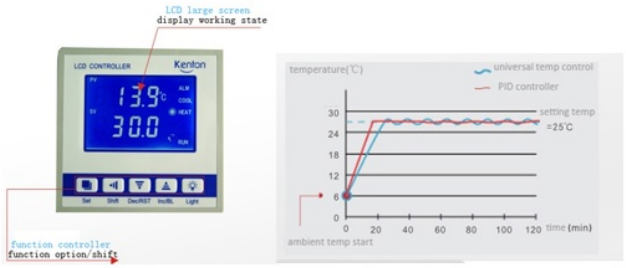
ALLFLOW perfect air current cycling

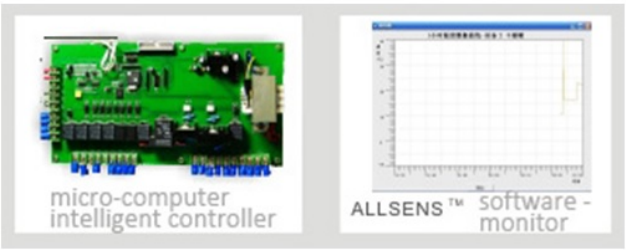
- ALLFLOW air current cycling: perfect forced convection, maximum samples number of working room, minimum temperature recovery time after the opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.
- ALLFLOW air current cycling: keep temperature continuous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



ALLSENS Programmable PID Control

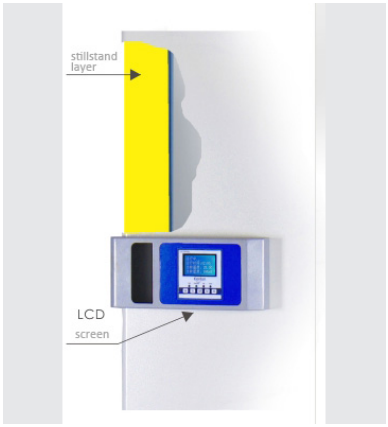
- Integrated, dot-matrix LCD display, designed for the highest operational comfort.
- Display parameters: temp humidity, cycle, run time, run/stop.
- Adaptive PID controller precisely control the temperature and humidity, prevent temperature soaring, keep working room temperature stable and uniformity.
- 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

- 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.

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
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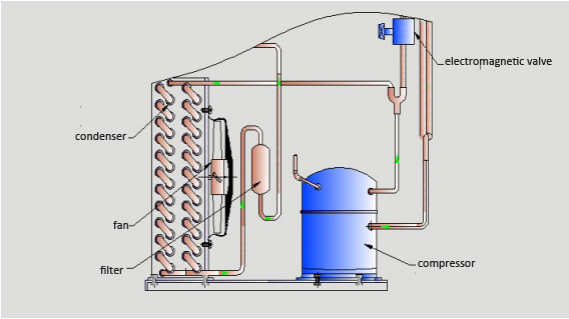

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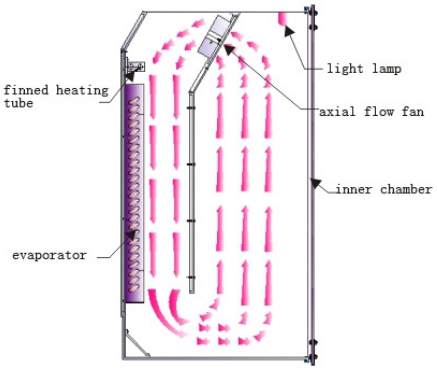

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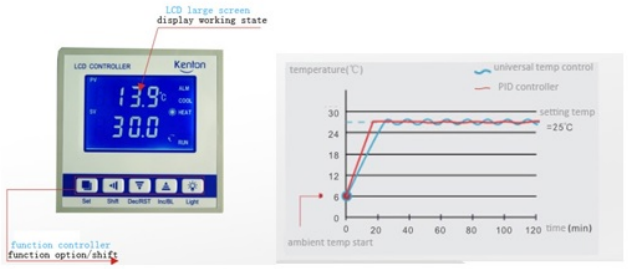

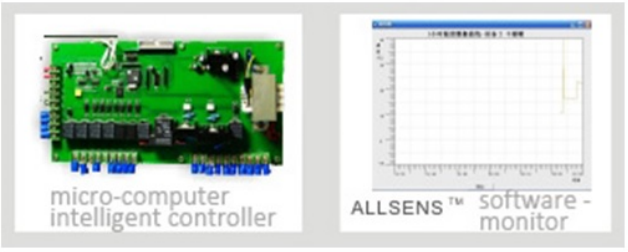

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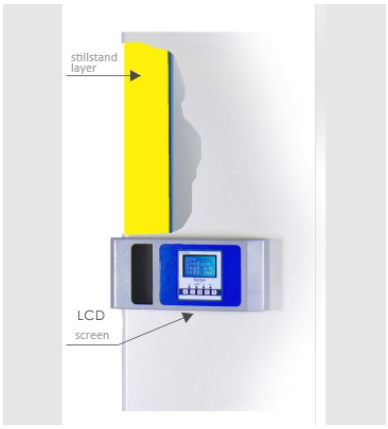

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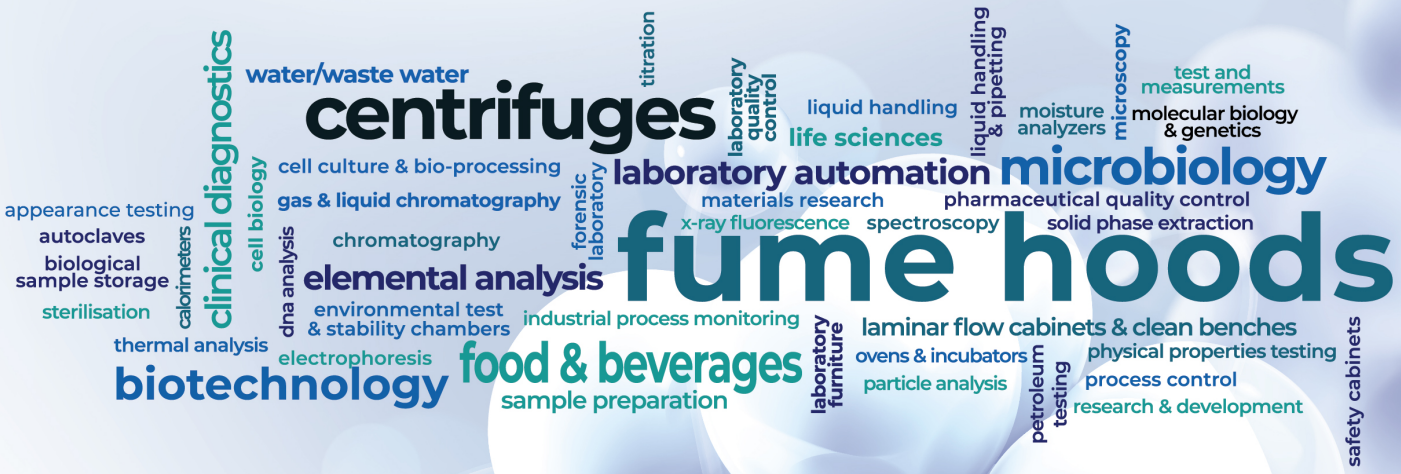

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