

Touch screen CO2 Incubator CP-1080, 220V/50Hz



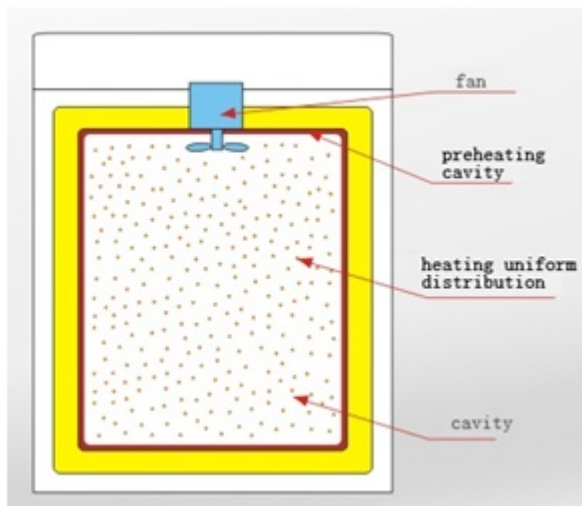
The Iris CO₂ incubator provides you with unsurpassed natural simulation to ensure optimum growth conditions for your culture at all time. That's why they become the first choice of researchers in fields of application include tissue engineering, in vitro fertilization, neuroscience, cancer research, cell culture, microbiology, pathology academic, life science 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.

- Used in cell culture, microbiology, pathology academic, life science fields;
- series CO₂ Incubator succeeded in creating a natural growth of the same simulation environment, Advanced Chamber heating technology to provide a stable temperature, the professional-grade IR CO₂ sensor, more accurately detect CO₂ concentration;
- Equipped with UV sterilization lamp, effectively prevent the cultivation of cross-contamination;
- IQ/OQ/PQ and other related certification services.
- Australian AS2064 certification. CE certification.
- Two-year warranty period.

AdvancedChamber preheating technology

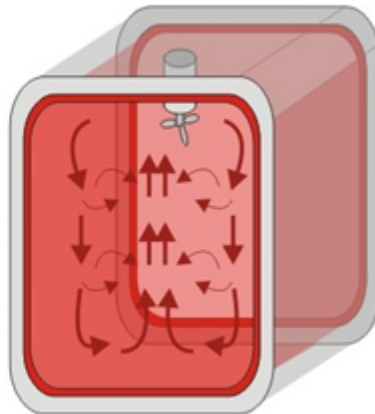
- Advanced Chamber preheating technology is the heating element is evenly distributed in the interior pre-heating of the cavity inner wall, and then through the heat transfer and forced-fan convection, so that the temperature of each cavity can accurately reach and maintain the set value, thus ensuring uniform distribution of the cavity temperature.
- Chamber of six surface heating, in which the glass door to possession of the heating system to prevent condensation of glass doors.
- Advanced CO₂ Incubator with low energy consumption and heat characteristics not easily lost. Save energy, enabling customers to use the cost reduction.



Advanced Clean Air Circulation System

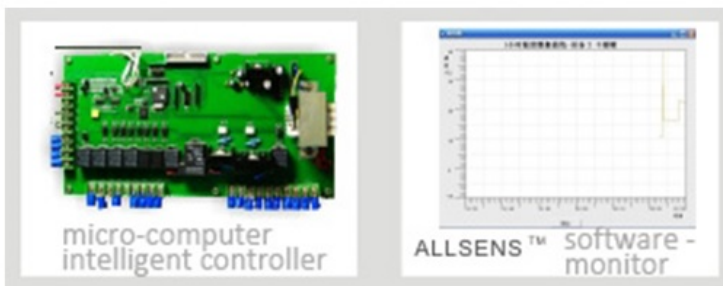
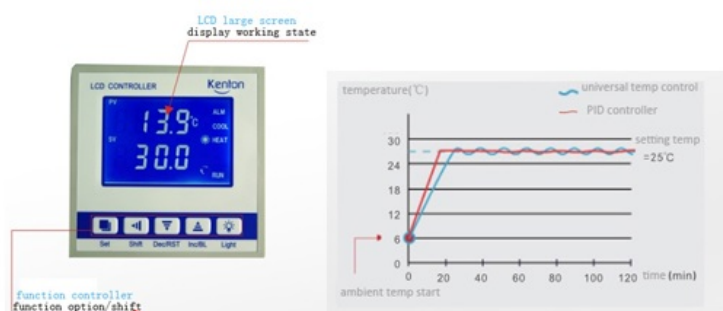
- Perfect forced convection of air circulation system to ensure the shortest of temperature recovery after door. With internationally renowned brands with a cooling fan (maintenance, durability), the experimental and the training effect to the extent desired;
- Advanced air circulation system sufficiently to ensure the continuous stability of the temperature of the working chamber. Customer set temperature is reached, given the perfect environment for sample roasting / culture;
- CO₂ inlet valve with a filter device to ensure cleanliness of the cavity gas;
- Equipped with UV sterilization system in the chamber regular basis to eliminate the cavity contaminating microorganisms, effectively prevent the training during the cross-contamination.

- Clean Air Circulation System



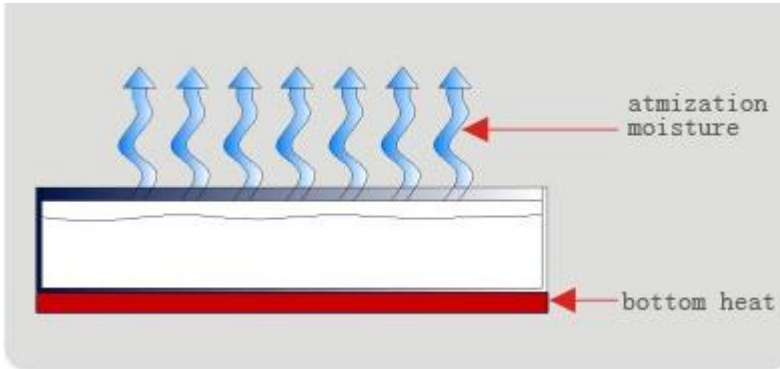
Programmable PID control

- Designed for the highest operational comfort.
- Integrated with dot-matrix LCD display parameters for temperature, humidity, and 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, connects to multiple devices (up to 16 units) for real-time monitoring.
- Time setting: 0-99h, 0-9999min
- RS-485 interface
- Easy to operate. All set operations are recognised by voice prompts.
- Optional remote control of programmable software.
- 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
- Bacteria-free culture with UV disinfection (Optional)



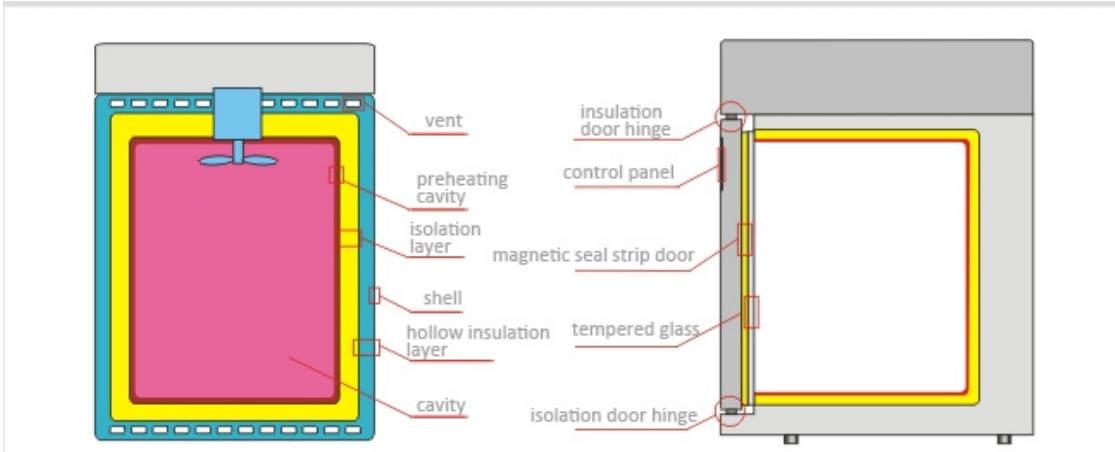
Inside Water Pan Humidification Technology

- The original water pan liner integrated humidifier design, that the water quickly atomized
- Soft air with water vapor of the water pan out the cavity humidity up and recovery, to ensure that the culture needed to saturated water.



Advanced Isolation Insulation Technology

- Inner isolation gate design, take full account of customers in the observation of cavity samples, ensure the consistency of the cavity temperature.
- Based on the effective use of heat design, complete isolation between the liner and shell to avoid energy loss due to heat transfer.
- Imports high-density thermal insulation material wrapped liner, insulation well.
- Good silicone door seal, with the magnet outside the door design, ensure tightness.



Technical Specification:

Model	IC-1080P
Control System	Touch Screen Microprocessor PID Controller
Temperature Range (°C)	RT+5°C ~ 55°C
Interior Volume (L)	80
Interior Volume (Cubic feet)	2.8
Temperature Accuracy [°C]	±0.1°C
Temperature Stability (°C)	±0.5 °C
Temperature Uniformity (°C)	±0.8 °C
Temperature Fluctuation [°C]	±0.5 °C
Convection Mode	Forced Convection
CO2 Range	0 ~ 20%
CO2 Sensor/Uniformity	IR sensor (±0.1%)
CO2 Recovery Without overshoot (after 30 seconds door opening to 5%)	≤2 minutes
Temp. Recovery Without Overshoot (after 30 seconds door opening to 37°C)	≤8 minutes
Humidification System	Humidity Pan[95%]with Temp. display
Internal Dimension (HxWxD) cm	500 × 400 × 400 mm
Timer Range	0~9999min
Number of Standard Shelf	2
Working Environment	Ambient temperature 10~30°C; Humidity less than 70%
Insulation Materials	High quality environmental protection type material
External Dimensions (HxWxD) cm	755 × 550 × 547 mm
Interior Steel Materials	SUS304 stainless steel inner
Net Weight (kg)	35
Shipping Weight (kg)	38
Packing Size (HxWxD) cm	880 × 630 × 635 mm
Power [W]	500
Electrical Requirements	220V/50Hz
Catalogue No.	3602005-2

Technical Data:

Model	IC-1080P		IC-1160P	
Interior Volume (L)	80		160	
Interior Volume (Cubic feet)	2.8		5.6	
Convection Mode	Forced Convection			
Control System	Microprocessor PID			
Temp. Range	RT+5?~55?			
Temp. Accuracy	0.1			
Temp. Fluctuation ?at 37??	±0.5			
Temp. Uniformity ?at 37??	±0.8			
CO ₂ Range	0~20%			
CO ₂ Sensor/Uniformity	IR sensor (±0.1%)			
CO ₂ Recovery Without overshoot (after 30 seconds door opening to 5%)	?2 minutes			
Temp. Recovery Without Overshoot(after 30 seconds door opening to 37?)	?8 minutes			
Humidification Method	Humidity Pan?95%?with Temp. display?			
Working environment	Ambient temperature?10~30?, Humidity <70%			
Insulation materials	Imported environmental protection type material			
External Dimensions(H×W×D) mm	755×550×547		905×610×687	
Internal Dimensions(H×W×D) mm	500×400×400		650×460×540	
Interior steel materials	SUS304 stainless steel			
Number of Shelves	2		3	
Power supply	Single phase AC220V/50Hz			
Power Consumption (W)	500		650	
Net Weight (kg)	35		55	
Shipping Weight (kg)	38		58	
Shipping Dimensions(H×W×D) mm	880×630×635		1030×690×695	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue Number	3602505-1	3602505-2	3602510-1	3602510-2



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