

OVENS & 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

