

OVENS & INCUBATORS





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

