



CO₂

INCUBATOR

Water Jacketed





CO₂ Incubator Water Jacketed LWCI-100 Series

Labocon CO₂ Incubator Water Jacketed LWCI-100 Series provides a precisely controlled and accurate stable in-vitro growth environment for cell and tissue culture applications. It is equipped with an advanced microprocessor based temperature control system and an efficient air-adjusting type CO₂ controller specially designed for quick and uniform heating.

✔ FEATURES

- Mirror finished stainless steel interior and plastic coated cold-rolling steel exterior
- Double seal door structure with magnetic seal at the outer door
- Silicone seal strips between working chamber and inner glass door ensures air-tight sealing
- Door heating control system provides frost-free inner glass door
- Long lasting, low noise centrifugal fan to ensure temperature uniformity
- Dual LED screen display with touch screen keypad
- Microcomputer auto-restrain control system avoids temperature fluctuation
- Assistant control system plays a key role during invalidation of main control system
- Audio visual alarm for water level control and over temperature control
- Data can be stored and recovered on power or system failure

✔ APPLICATION

Labocon CO₂ Incubator Water Jacketed is applicable in research and production of microorganisms, for cells, tissue and bacteria cultivation. It is ideal to be used in the fields of immunology, oncology, genetics and biological engineering.

✔ SPECIFICATION

Model	LWCI-101	LWCI-102
Capacity	80 L	160 L
Temp. Range	RT +5-60°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	<±0.8°C	
Temp. Fluctuation	<±0.5°C	
Temp. Resolution	0.1°C	
CO ₂ Range	0-19.9%	
CO ₂ Sensor	None	
CO ₂ Control Method	Air-adjusting Type	
CO ₂ Recovery Time	≤concentration x 1.2 min	
Display	Dual LED display with touch screen keypad	
Jacket Type	Water Jacketed	
Humidifying Method	Natural Evaporation	
Filter	None	

Model	LWCI-101	LWCI-102
Shelves	2	3
Chamber Dimension	400x400x500 mm	550x500x650 mm
Overall Dimension	550x510x830 mm	770x605x980 mm
Power	550 W	750 W
Power Supply	220 V, 50 Hz	
Weight (Net/Gross)	56 / 66 kg	84 / 97 kg
Catalog No.	9341120127	9341121127

Water Jacketed Incubator LWCI-200 Series

Labocon CO₂ Incubator Water Jacketed LWCI-200 Series is an ideal unit for cell culture applications. It is equipped with an advanced microcomputer controlled intelligent controller along with a sensitive IR CO₂ concentration sensor specially designed to provide uniform temperatures and highly stable CO₂ environment.

FEATURES

- Mirror finished stainless steel interior and plastic coated cold-rolling steel exterior
- Double seal door structure with magnetic seal at the outer door
- Silicone seal strips between working chamber and inner glass door ensures air-tight sealing
- Door heating control system provides frost-free inner glass door
- Long lasting, low noise centrifugal fan to ensure temperature uniformity
- Microprocessor intelligent controller
- Temperature, humidity and CO₂ concentration displayed on LCD screen
- Audio visual alarm over temperature control
- IR CO₂ concentration sensor with precise sensitivity
- Humidity sensor displays real-time data
- UV light for effective killing of bacteria, mold and mycoplasma
- HEPA offers 99.998% filtration efficiency for 0.3 μ m particulate
- Microcomputer auto-restrain control system avoids temperature fluctuation
- Assistant control system plays a key role during invalidation of main control system
- Audio visual alarm for water level control and over temperature control
- Data can be stored and recovered on power or system failure
- RS485 interface



APPLICATION

Labocon CO₂ Incubator Water Jacketed is applicable in research and production of microorganisms, for cells, tissue and bacteria cultivation, immunology, oncology, genetics and biological engineering.

✓ SPECIFICATION

Model	LWCI-201	LWCI-202
Capacity	80 L	160 L
Temp. Range	RT +5-60°C	
Temp. Accuracy	0.1°C	
Temp. Uniformity	37°C ≤ ±0.2°C	
Temp. Fluctuation	37°C ≤ ±0.1°C	
Temp. Resolution	0.1°C	
CO ₂ Range	0-20%	
CO ₂ Sensor	IR CO ₂ Sensor	
CO ₂ Control Method	IR	
CO ₂ Recovery Time	≤ concentration x 1.2 min	
Display	LCD	
Jacket Type	Water Jacketed	
Humidifying Method	Natural Evaporation	
Filter	HEPA filter	
Shelves	2	3
Chamber Dimension	400x400x500 mm	550x500x650 mm
Overall Dimension	550x530x835 mm	700x630x985 mm
Power	475 W	775 W
Power Supply	220 V, 50 Hz	
Weight (Net/Gross)	63 / 72 kg	85 / 98 kg
Catalog No.	9341122127	9341123127