



COOLED

INCUBATOR



LCI SERIES

Cooled Incubator LCI-100 Series

Labocon Cooled Incubator LCI-100 Series offers accurate and reliable temperature controlled storage for your products. It minimizes energy consumption with maximum benefit to the environment. The high quality circulation system with PID temperature controller ensures excellent temperature uniformity.

Features

- High quality Stainless Steel SUS 304 interior and powder painted exterior
- Double door with the inner glass observation door
- Nature convection air circulation system ensures temperature stability
- Microprocessor based PID temperature control system
- Touch screen control panel with LED digital display
- Temperature Sensor: PT-100Ω
- Environment efficient, energy-saving CFC-free R134a refrigerant
- Automatic high-low temperature alarm for temperature control
- Delayed working of compressor during power failure

Application

Labocon Cooled Incubator is suitable for freezing, incubation, drying, germination experiments, waste-water testing, BOD, soil testing and long-term storage in the fields of biology, zoology, botany and the quality control and R&D laboratories in industries such as pharmaceuticals, industrial testing, food and cosmetics.

Specification

Model	LCI-101	LCI-102	LCI-103	LCI-104
Capacity	80 L	150 L	400 L	590 L
Temp. Range	0-70°C			
Ambient Temp.	±5-35°C			
Temp. Accuracy	±0.1°C			
Temp. Uniformity	±1°C			
Temp. Fluctuation	±1°C			
Temp. Resolution	±0.1°C			
Timer Range	None			
Shelves	2		4	
Load per Shelf	40~50 kg			
Inner Dimension	500x400x400 mm	600x500x500 mm	600x500x1350 mm	680x600x1450 mm
Overall Dimension	560x550x670 mm	680x700x825 mm	670x740x1820 mm	815x800x1940 mm
Power	900W		1200W	900W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	50/80 kg	78/89 kg	120/200 kg	180/200 kg
Catalog No.	9341190584	9341191584	9341192584	9341193584

Cooled Incubator LCI-200 Series

Labocon Cooled Incubator LCI-200 Series offers accurate and reliable temperature controlled storage for your products. It minimizes energy consumption with maximum benefit to the environment. The high quality circulation system with PID temperature controller ensures excellent temperature uniformity.

Features

- Stainless Steel SUS 304 inner bag and cold rolling plate powder spray exterior
- Freon-free polyurethane foaming insulation reduces energy consumption and improves insulation
- Forced air convection circulation system ensures temperature uniformity
- Test hole of 45 mm equipped on left and right side
- Internal silica gel soft plugs make sure the temperature inside the incubator is maintained evenly
- Environment efficient, energy-saving CFC-free refrigerant R134a and EBM condenser
- Fuzzy PID intelligent programmable temperature control system
- Over temperature protection function
- Audio alarm for power failure and door ajar
- Automatic start and stop function with self-recovery function
- RS232 interface

Application

Labocon Cooled Incubator is suitable for freezing, incubation, drying, germination experiments, waste-water testing, BOD, soil testing and long-term storage in the fields of biology, zoology, botany and the quality control and R&D laboratories in industries such as pharmaceuticals, industrial testing, food and cosmetics.





Specification

Model	LCI-201	LCI-202	LCI-203
Capacity	80 L	150 L	250 L
Temp. Range	-10-65°C		
Ambient Temp.	±5-35°C		
Temp. Accuracy	±0.1°C		
Temp. Uniformity	±1°C		
Temp. Fluctuation	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	0-999999min		
Shelves	2	3	
Load per Shelf	15 kg		
Inner Dimension	400x400x500 mm	500x450x670 mm	580x540x800 mm
Overall Dimension	525x607x1100 mm	625x657x1270 mm	705x747x1500 mm
Power	550 W	750 W	1000 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	87.5/94 kg	96.5/105 kg	117/127 kg
Catalog No.	9341194472	9341195472	9341196472

Cooled Incubator LCI-300 Series

Labocon Cooled Incubator LCI-300 Series offers accurate and reliable temperature controlled storage for your products. It minimizes energy consumption with maximum benefit to the environment. The high quality circulation system with PID temperature controller ensures excellent temperature uniformity.

Features

- Mirror finished stainless steel inner chamber with semi-circular corners and easily detachable shelves
- Forced air convection circulation system ensures temperature uniformity
- Test hole of 25 mm equipped on left side for temperature measurement
- Microprocessor based temperature controller
- Environment efficient, energy-saving CFC-free refrigerant R134a
- Multi-stage programmable function for automatic control and simplified operation
- Programmable design can preset 15 paragraphs in 30 steps
- Optional:
 - Independent temperature limiting alarm system
 - Programmable temperature controller
 - UV Sterilizer
 - RS485 connector
 - Printer

Application

Labocon Cooled Incubator is suitable for freezing, incubation, drying, germination experiments, waste-water testing, BOD, soil testing and long-term storage in the fields of biology, zoology, botany and the quality control and R&D laboratories in industries such as pharmaceuticals, industrial testing, food and cosmetics.



Specification

Model	LCI-301	LCI-302	LCI-303	LCI-304
Capacity	100 L	150 L	250 L	500 L
Temp. Range	-20-65°C			
Ambient Temp.	±5-35°C			
Temp. Accuracy	±0.1°C			
Temp. Uniformity	±1°C			
Temp. Fluctuation	High Temperature: ±0.5°C Low Temperature: ±1.0°C			
Temp. Resolution	0.1°C			
Timer Range	1-9999 min			
Shelves	3			
Load per Shelf	15 kg			
Inner Dimension	500x400x600 mm	550x405x670 mm	600x500x830 mm	1000x1100x1860 mm
Overall Dimension	650x770x1320 mm	690x800x1430 mm	740x900x1580 mm	998x1020x1730 mm
Power	1000 W	1200 W	1400 W	4000 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	130 /172 kg	180/224 kg	190/264 kg	415/470 kg
Catalog No.	9341215250	9341216250	9341217250	9341218250

Cooled Incubator LCI-400 Series

Labocon Cooled Incubator LCI-400 Series offers accurate and reliable temperature controlled storage for your products. It minimizes energy consumption with maximum benefit to the environment. The high quality circulation system with PID temperature controller ensures excellent temperature uniformity.

Features

- Mirror finished stainless steel inner chamber with semi-circular corners and easily detachable shelves
- Forced air convection circulation system ensures temperature uniformity
- Test hole of 25 mm equipped on left side for temperature measurement
- Microprocessor based temperature controller
- Environment efficient, energy-saving CFC-free refrigerant R134a
- Multi-stage programmable function for automatic control and simplified operation
- Programmable design can preset 15 paragraphs in 30 steps
- Optional:
 - Independent temperature limiting alarm system
 - Programmable temperature controller
 - UV Sterilizer
 - RS485 connector
 - Printer

Application

Labocon Cooled Incubator is suitable for freezing, incubation, drying, germination experiments, waste-water testing, BOD, soil testing and long-term storage in the fields of biology, zoology, botany and the quality control and R&D laboratories in industries such as pharmaceuticals, industrial testing, food and cosmetics.



Specification

Model	LCI-401	LCI-402	LCI-403	LCI-404
Capacity	100 L	150 L	250 L	500 L
Temp. Range	-40-65°C			
Ambient Temp.	±5-35°C			
Temp. Accuracy	±0.1°C			
Temp. Uniformity	±1°C			
Temp. Fluctuation	High Temperature: ±0.5°C Low Temperature: ±1.0°C			
Temp. Resolution	0.1°C			
Timer Range	1-9999 min			
Shelves	3			
Load per Shelf	15 kg			
Inner Dimension	500x400x600 mm	550x405x670 mm	600x500x830 mm	1000x1100x1860 mm
Overall Dimension	650x770x1320 mm	690x800x1430 mm	740x900x1580 mm	998x1020x1730 mm
Power	2200 W		4000 W	5000 W
Power Supply	380 V, 60 Hz			
Weight (Net/Gross)	130 /172 kg	180/224 kg	190/264 kg	415/470 kg
Catalog No.	9341219250	9341220250	9341221250	9341222250

Cooled Incubator LCI-500 Series

Labocon Cooled Incubator LCI-500 Series offers accurate and reliable temperature controlled storage for your products. It minimizes energy consumption with maximum benefit to the environment. The high quality circulation system with PID temperature controller ensures excellent temperature uniformity.

Features

- Sheet steel epoxy coated white colour outside and atoxic plastic material inside
- Internal corners are rounded for easy cleaning
- Rust-proof plastic coated sheet steel wire shelves placed on anti-tilt stainless steel slides for easy movement
- Hinged door provided with removable magnetic rubber gasket and flush-fitting type door handle
- High density polyurethane insulation
- Insulation thickness: 40-75 mm
- Internal lighting: LED tube (LCI-501) or bulb (LCI-502 to LCI-508) mounted in the side wall or bottom part of the control panel with automatic activation at every door opening through a special switch
- Control panel: Microprocessor operating with soft-touchpads and 3.5" colour display LCD display. The main functions of the control panel are :
 - Digital temperature display with an accuracy of 0.1°C
 - Keyboard password protected with automatic locking
 - Back-up battery with automatic recharging
 - Icon based menu
 - Real-time graphical temperature chart
 - Data-logging function through USB port with direct download of Excel file
 - GSM/GPRS telephone dialer
 - NTC sensors maintain temperature accuracy
- Internal ventilation setting
- Cooling unit: Condenser compounded by a hermetic compressor and an air cooled condenser
- Refrigeration: Forced-air circulation
- Refrigerant: R404a/ R134a CFC-free
- Defrosting: Completely automatic, thermostat controlled
- Events memory with the possibility of checking from the display, defrosting's, door openings, relays status, etc.
- Breakers : 2 glass cartridge fuses with a rating of 10A for protection of the equipment
- Plug: Schuko type
- Noise level (dB (A)): ≤ 48-52
- RS485 interface
- Safety functions: Visual and acoustic alarm signalling (with automatic resetting) for high and low temperature, door ajar, power failure, battery discharged, condenser dirty, anti-freezing evaporator, sensors failure



Application

Labocon Cooled Incubator is suitable for freezing, incubation, drying, germination experiments, waste-water testing, BOD, soil testing and long-term storage in the fields of biology, zoology, botany and the quality control and R&D laboratories in industries such as pharmaceuticals, industrial testing, food and cosmetics.

Specification

Model	LCI-501	LCI-502	LCI-503	LCI-504
Capacity	130 L	270 L	370 L	440 L
Temp. Range	2-50°C			
Ambient Temp.	15-38°C			
Temp. Accuracy	±0.1°C			
Temp. Uniformity	±2°C			
Temp. Fluctuation	±2°C			
Temp. Resolution	±0.1°C			
Timer Range	None			
Shelves	2		3	
Load per Shelf	25 kg	30 kg		
Inner Dimension	530x640x940 mm	600x650x1640 mm	600x600x1920 mm	600x700x1920 mm
Overall Dimension	650x720x1140 mm	720x730x1780 mm	700x800x2120 mm	
Power	194 W	310 W		410 W
Power Supply	380 V, 60 Hz			
Weight (Net/Gross)	65/75 kg	75/95 kg	90/110 kg	105/125 kg
Catalog No.	9341182181	9341183181	9341184181	9341185181

Specification

Model	LCI-505	LCI-506	LCI-507	LCI-508
Capacity	530 L	625 L	1160 L	1365 L
Temp. Range	2-50°C			
Ambient Temp.	15-38°C			
Temp. Accuracy	±0.1°C			
Temp. Uniformity	±2°C			
Temp. Fluctuation	±2°C			
Temp. Resolution	±0.1°C			
Timer Range	None			
Shelves	3		6	
Load per Shelf	35 kg			
Inner Dimension	750x700x2100 mm	750x820x2100 mm	1500x700x2100 mm	1500x820x2100 mm
Overall Dimension	850x980x2240 mm	850x980x2240 mm	1580x980x2240 mm	
Power	1006 W	1456 W	1744 W	
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	155/175 kg	160/180 kg	220/250 kg	240/270 kg
Catalog No.	9341186181	9341187181	9341188181	9341189181



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