



CO_2 INCUBATOR

(OLSC CO_2 **Series**)

"Manufactured with precision and innovation, our CO_2 Incubators guarantee superior performance, reliability, and unmatched control – delivering excellence directly from our factory to your lab!"

CO₂ INCUBATOR **OLSC-Co2**

Product Overview

| Specification | OLSC-50CO2 | OLSC-168CO2 | OLSC-260CO2 |
|--|---|---------------------------------|-----------------------------------|
| Temperature Control Method | Direct Heat & Air Jacket | | |
| Temperature Range | RT +3-60°C | | |
| Temperature Uniformity | ≤ ±0.25°C at 37°C | | |
| Temperature Accuracy | ≤ 0.1°C | | |
| Temperature Recovery Time | ≤ 4 mins | ≤ 4 mins | ≤ 5 mins |
| Ambient Temperature Range | 18-34°C | | |
| CO ₂ Range | 0-20% | | |
| CO ₂ Accuracy | ±0.1% | | |
| CO ₂ Sensor | IR | | |
| CO ₂ uniformity and recovery rate | ±0.1% at set 5.0% CO ₂ concentration at 37°C | | |
| CO ₂ Recovery Time | ≤ 4 mins | ≤ 4 mins | ≤ 5 mins |
| Inlet Pressure | 0.8-1.2 bar | | |
| Humidification Method | Humidity Pan of 1-3L capacity | | |
| Humidity Range | >95% RH at 37°C | | |
| Contamination Method | Dry Heat | | |
| Contamination Temperature | 180°C | | |
| Contamination Time | <10h | | |
| Inlet Filter | ≤0.2 μm | | |
| Inner Filter | High temperature resistant Closed loop HEPA filtration system, no need to remove during sterilization | | |
| Display | 7-inch high-brightness color touchscreen HMI with password-protected parameter access. | | |
| Main Body | Antibacterial powder coated, antibacterial properties ≥ 99% | | |
| Interior Volume | 55 L | 185 L | 260 L |
| External Dimensions (W×D×H) | 500×635×690 / 530×635×690 mm | 685×870×890 / 715×870×890 mm | 745×820×1055 / 775×820×1055 mm |
| Internal Dimensions (W×D×H) | 310×380×470 mm | 500×570×650 mm | 555×565×835 mm |
| Interior Material | Polished stainless steel 304, corrosion resistance with rounded corners for easy cleaning. | | |
| Doors | Ergonomic outer door, reversible, heated, painted of steel Inner, Gas tight, thermally stable tempered single glass inner door | | |
| Number of Shelves | 4 Perforated, adjustable and removable stainless-steel trays | | |
| Shelves Area | 305×270 mm | 496×440 mm | 550×460 mm |
| Maximum Load per Shelf | 20 kg | | |
| Voltage | 220-240V AC / 50-60Hz | | |
| Maximum Power Consumption | 500W / 600W | 1200W / 1300W | 1500W / 1600W |
| Optional Functions | O ₂ control 1-2% Three inner doors or six inner doors lot module Humidity display Cylinder switching Removable base Relief valve/Access port: 40mm Temperature probe and gas sensors located inside the chamber | | |

