

Serie C 150: The new STANDARD in CO₂-incubators

The C 150 sets new standards for cell cultivation: contamination-free as a result of hot air sterilization at 180 °C, stable pH thanks to a drift-free FPI infrared measurement system, superior temperature precision with excellent dynamics, and an interior that is condensation-free even at high humidity levels to ensure best growth results.



► Performance features and equipment:

- Electronically controlled APT.iLine™ preheating chamber technology
- Temperature range of 7 °C (13 °F) above ambient temperature up to 50 °C (122 °F)
- Microprocessor with LED display for temperature and CO₂-concentration
- Various alarm and status displays
- Locking of controller keyboard via 3 digit password
- Standard-compliant hot-air sterilization at 180 °C (356 °F) (acc.to DIN 58947, Pharmacopoeias, ANSI)
- Air jacket system
- Drift free infrared CO₂ measurement system
- Gas mixing head
- Weldless deep-drawn inner chamber made of stainless steel Mat. No. 1.4301 (V2A) / AISI 316 Ti with integrated shelf support system
- Humidification by water pan with built-in condensation control
- Automatic diagnostic system with optical and acoustic alarm, as well as zero-voltage relay contact for central monitoring
- Temperature safety device, Class 3.1 (DIN 12880) with visual and acoustic temperature alarm
- Tightly closing inner glass door
- Lockable door
- Door hinged left or right, factory fitted
- 3 perforated shelves made of stainless steel Mat. No. 1.4301 (V2A) / AISI 316 Ti
- Units are stackable with stacking adapter
- BINDER test certificate





C 150

▶ Exterior dimensions	
Width (mm/inch)	680/26.8
Hight (mm/inch)	819/32.2
Depth (plus I-triangle, mains and gas connection 114/4.5 (mm/inch)	815/32.1
Wall clearance rear/side mm/(inch)	100(3.9)/50(2.0)
▶ Interior dimensions	
Width (mm/inch)	500/19.7
Height (mm/inch)	600/23.6
Depth (mm/inch)	500/19.7
Interior volume (l/cu.ft.)	150/5.4
Perforated shelves, stainless steel (number standard/max.)	3 / 6
Dimensions of perforated shelves, width x depth (mm)	491 x 442
width x depth (inch)	19.3 x 17.4
▶ Temperature /CO ₂ data	
Temperature range, 7 °C (13 °F) above ambient up to °C/°F	50/122
Temperature variation at 37 °C (98.6 °F) (± °C)	0.4
Temperature fluctuation (± °C)	0.1
Recovery time after door was opened for 30 sec. at 37 °C (98.6 °F) (Min) ¹⁾	5
CO ₂ -range (Vol.-% CO ₂)	0–20
Setting accuracy (Vol.-% CO ₂)	0.1
Recovery time after door was opened for 30 sec. up to 5 vol. % (Min) ^{1) 2)}	7
CO ₂ -measurement	IR
Hose connectors for CO ₂ (mm/inch)	6
Humidity (% RH)	≤ 95
▶ Electrical data	
Housing protection acc. to EN 60529	IP 20
Nominal voltage (±10 %) 50/60 Hz (V)	230
Nominal voltage (±10 %) 60 Hz (V)	115
Nominal voltage (±10 %) 50/60 Hz (V)	100
Nominal power (W)	1200

1) up to 98 % of the set value 2) The recovery times of the gas concentration inside the chamber following a door opening refer to an inlet pressure of 2.0 bars (psi).

Specified ambient temperature range 18 °C (64 °F) to 30 °C (86 °F). All technical specification are specified for units with standard equipment at an ambient temperature of 25 °C (77 °F) and a voltage fluctuation of ±10 %. The temperature data are determinated in accordance to factory standard following DIN 12880, part 2 respecting the recommended wall clearances of 10 % of the height, width and depth of the inner chamber. All indications are average values, typical for units produced in series. We reserve the right to alter technical specifications at all times.