

CB series: created for the cell cultivation of the future

Using state-of-the-art technology, BINDER has developed a system with the new CO₂ incubators that combines precision with maximum dynamics for keeping the balance of all growth parameters constant under all circumstances, due to minimum reaction times, and for being able to reproduce growth processes at any time. The new CB CO₂ incubators from BINDER are the precision devices for future-oriented cell cultivation under the most modern working conditions and for safe tissue production, while observing all international guidelines and regulations. The new screen controllers are absolutely superior in their precision and excellent dynamics. All the values are shown in real time. And the safest decontamination concept guarantees you maximum sterility.

The CB series is ideal if you wish to work today on the cell cultivation of tomorrow.



► Operative ranges:

Life science, clinical medicine, veterinary medicine, pharmaceutical industry, foodstuffs industry, toxicology, basic research in biology and preclinical medicine

► Performance features:

- 7 °C above room temperature to 60 °C
- APT.Line® air jacket system
- Patented Permadyr® system
- Infra-red irradiation, CO₂ difference measurement system
- Patented CO₂ Gas Mixing Head
- 180 °C hot-air sterilisation
- Weldless deep-drawn inner chamber made of stainless steel or copper
- Removable dismountable rack holder
- Colour screen controller
- RS 422 communication interface for the standard software APT.COM APT-COM® DataControlSystem
- Temperature safety device Cl. 3.1
- Electronic auto-diagnosis system with potential-free alarm contact
- Calibrations and validations possible
- Inner chamber volume in litres: 150; 210

► Equipment:

- Colour screen controller for temperature and CO₂ concentration
- Digital, drift-free CO₂-infrared absorption measurement system with FPI difference measurement system
- Tightly closing inner glass door
- 3 perforated shelves, stainless steel 1.4301/V2A or copper

CB series	CB 150	CB 210
Exterior dimensions		
Width (mm)	680	740
Height (inclusive feet/castors) (mm)	919	1069
Depth (plus 70 mm for instrument panel) (mm)	715	715
Interior dimensions		
Width (mm)	500	560
Height (mm)	600	750
Depth (mm)	500	500
Interior volume (l)	150	210
Perforated shelves, stainless steel (number standard/max)	3/8	3/11
Temperature range, 7 °C above ambient up to (°C)	60	60
Temperature variation at 37 °C (± °C)	0.3	0.4
Temperature fluctuation (≤ ± °C)	0.1	0.1
Recovery time after door was opened for 30 sec ¹⁾ at 37 °C (Min.)	3	3
CO ₂ -range (vol.-% CO ₂)	0–20	0–20
Recovery time after door was opened for 30 sec ¹⁾ up to 5 vol.-% (min.)	6	6
Humidity (constant) (% rH)	95	95
Nominal voltage (± 10%) 50 Hz (V)	230	230
Nominal power (W)	1400	1600
O ₂ -range (5 vol.-% O ₂)	0.2–95	0.2–95
O ₂ -measurement	ZrO ₂	ZrO ₂
Optional		
Shelves for inner glass door divided in several parts	●	●
Tiles for the shelves to denominate sample	●	●
Bottle changer for CO ₂ /O ₂ /N ₂ + connection kit	●	●
Built-in CO ₂ -bottle changer for a 2nd CO ₂ -Incubator	●	●
Stand, height 200 mm	●	●
Stand with adjustable feet for safe stacking of 2 units	●	●
Connection kit for CO ₂ , O ₂ or N ₂	●	●
Calibration certificate for temperature and CO ₂	●	●
Calibration certificate for O ₂	●	●
CO ₂ -Fail-Safe	●	●
Installation and putting into operation	●	●
Introduction into the practice of the cell cultivation	●	●
O ₂ -control 0.2-95 Vol.-%	●	●
Internal socket 230 V (max. 3 A)	●	●
Lockable door	●	●
Lockable keyboard	●	●
Inner chamber made of copper	●	●
Inner glass door divided	●	●
CELLROLL roller bottle system + Set of connection cables	●	●

All technical data are specified for units with standard equipment at an ambient temperature of +25 °C and a voltage fluctuation of ±10 %. The temperature data are determined in accordance to 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.

¹⁾ up to 98 % of the set value

- Optional
- not available

Your dealer: