

Model C 170 | CO₂ incubators with hot air sterilization



BENEFITS

- Hot air sterilization at 180 °C minimizes the risk of contamination
- Stable pH-values thanks to drift-free CO₂ IR sensor technology
- Saturated relative humidity up to 95 % RH
- Easy cleaning thanks to seamless, deep-drawn inner chamber



Model 170



Model 170

MAIN FEATURES

- Temperature range: room temperature plus 7 °C to 50 °C
- Humidity range: 90...95 % RH
- Auto-sterilization with hot air at 180 °C
- Humidification system with condensation protection
- CO₂ gas-mixing jet with Venturi effect
- CO₂ sensor with infrared technology
- Tightly-sealed inner door made of tempered safety glass
- Seamless, deep-drawn inner stainless steel chamber
- 3 perforated stainless steel shelves
- Units are stackable with stacking adapter
- Troubleshooting system with visual and audible alarms
- Zero-voltage alarm contact

ORDERING INFORMATION

Interior volume [L]	Voltage	Option model	Version	Art.-No.
Model C 170				
168	230 V 1~ 50/60 Hz	Door hinged right	C170-230V-R	9040-0112
		Door hinged left	C170-230V-L	9040-0115
	120 V 1~ 60 Hz	Door hinged right	C170UL-120V-R	9040-0113
		Door hinged left	C170UL-120V-L	9040-0116

TECHNICAL DATA

Description	C170-230V-R	C170-230V-L	C170UL-120V-R	C170UL-120V-L
Article Number	9040-0112	9040-0115	9040-0113	9040-0116
Performance Data Temperature				
Temperature range 7 °C above ambient temperature to [°C]	50	50	50	50
Temperature uniformity at 37 °C [± K]	0.3	0.3	0.3	0.3
Temperature fluctuation [± K]	0.1	0.1	0.1	0.1

Data Sheet Model C 170

Description	C170-230V-R	C170-230V-L	C170UL-120V-R	C170UL-120V-L
Article Number	9040-0112	9040-0115	9040-0113	9040-0116
Recovery time after 30 seconds door open at 37 °C [min]	6	6	6	6
Recovery time after 30 seconds door open at 5 Vol.-% CO ₂ [min]	5	5	5	5
Performance Data Climate				
Humidity range [% RH]	90...95	90...95	90...95	90...95
Gas Data - CO₂-Data				
CO ₂ range	0...20 Vol.-% CO ₂	0...20 Vol.-% CO ₂	0...20 Vol.-% CO ₂	0...20 Vol.-% CO ₂
CO ₂ measurement	IR	IR	IR	IR
Electrical data				
Rated Voltage [V]	230	230	120	120
Power frequency [Hz]	50/60	50/60	60	60
Nominal power [kW]	1.1	1.1	1.1	1.1
Unit fuse [A]	10	10	10	10
Phase (Nominal voltage)	1~	1~	1~	1~
Measures - Outer dimensions				
Width net [mm]	740	740	740	740
Height net [mm]	870	870	870	870
Depth net [mm]	715	715	715	715
Wall clearance back [mm]	100	100	100	100
Wall clearance sidewise [mm]	50	50	50	50
Measures - Doors				
Inner doors	1	1	1	1
Unit doors	1	1	1	1
Measures - Internal Dimensions				
Width [mm]	560	560	560	560
Height [mm]	600	600	600	600
Depth [mm]	500	500	500	500
Measures				
Interior volume [L]	168	168	168	168
Net weight of the unit (empty) [kg]	110	110	110	110
Load per rack [kg]	10	10	10	10
Environment-specific data				
Energy consumption at 37 °C	90 Wh/h	90 Wh/h	90 Wh/h	90 Wh/h

OPTIONS AND ACCESSORIES

Designation	Description	*	Art.-No.
Access port with silicone plug	30 mm, back	01	8012-0558
	30 mm, left	01	8012-0559
	30 mm, right	01	8012-0560
Analog output, 4 – 20 mA	for temperature and CO ₂ values (outputs not adjustable)	02	8012-0742
Base	with casters	–	9051-0029
Calibration certificate, expanded	each measurement at additional measuring point or testing temperature	–	8012-0022

* Notes › See last page

Data Sheet Model C 170

Designation	Description	*	Art.-No.
Calibration certificate, temperature	for temperature, measurement in center of chamber at specified temperature	-	8012-0030
	temperature measurement incl. Certificate and 27 measuring points at specified temperature	-	8012-0921
	temperature measurement incl. certificate, 15- 18 measuring points at specified temperature	-	8012-0918
	temperature measurement incl. certificate, 9 measuring points at specified temperature	-	8012-0915
Calibration certificate, temperature and CO₂	for temperature and CO ₂ , temperature measurement in center of chamber, CO ₂ measurement performed using test gas at 37 °C and 5 % CO ₂	-	8012-0228
Door lock	lockable door handle	-	8012-1014
Ethernet interface	for communication software	-	8012-0604
Gas cylinder connection set	for CO ₂ , consisting of a gas tank pressure regulator with connection parts and 5-meter hose	-	8012-0014
Gas tank changer	external, BINDER Gas Supply Service, for connecting 2 gas tanks (CO ₂ , N ₂ , or O ₂), with audible and visual alarms, as well as zero-voltage alarm output	-	8012-0408
Magnetic Pouch (A4)	insert pouch with magnetic strip	-	1007-0065
pH-neutral detergent	concentrated, for gentle remove of residual contaminants; 1 kg	-	1002-0016
Shelf, perforated	stainless steel	-	6004-0142
Stacking adapter, flat	for thermally decoupled stacking of two identical units	-	9051-0036

* Notes › See last page

