

# Incubators

# BC



Forced air convection  
BC60 / BC120 / BC240



Froilabo

Firlabo

# A New incubator generation

The research, the clinical biochemistry, the microbiology and the industry represent the fields where the thermal control up to +100°C is essential. The BIO CONCEPT incubators range new generation has been designed especially for this fields.

The BIO CONCEPT Incubators BC range are available in three volumes, 60 litres, 120 litres and 240 litres and in two versions :

- Standard version
- High-tech version

## BC Standard version benefits :

Sterilization cycle: +160 °C for 2h30.

Temperature cycle programming up to 4 temperatures.  
Internal glass door.

## BC High-Tech version benefits :

Sterilization cycle: +160 °C for 2h30.

Temperature cycle programming up to 16 temperatures.  
Data collection : RS485 and remote alarm.  
Internal glass door.



## Technical specifications

This technical specifications are common to Standard and High Tech version

Electronic PID controller,  
Temperature range from ambient +5°C to +100°C,  
double digital display 1/10th °C,  
low and high temperature visual alarm integrated into the controller.

Over temperature safety thermostat,  
according to the EN61010 European norm with  
safety set point adjustable only with a tool.  
Over temperature warning light.

Sterilization cycle dry heat,  
+160°C for 2h30 min, starting with  
key operated switch



# Standard Version : confort and accuracy

## Controls and Programmation

- Programmable electronic PID controller.
- Double digital display 1/10th °C.
- Integrated programming function.
- Temperature cycle up to 4 temperatures.
- Ramp set up (°C/ hours).
- Plateau time set up (hours-min).
- Timer (99H et 59 min).

## Safety

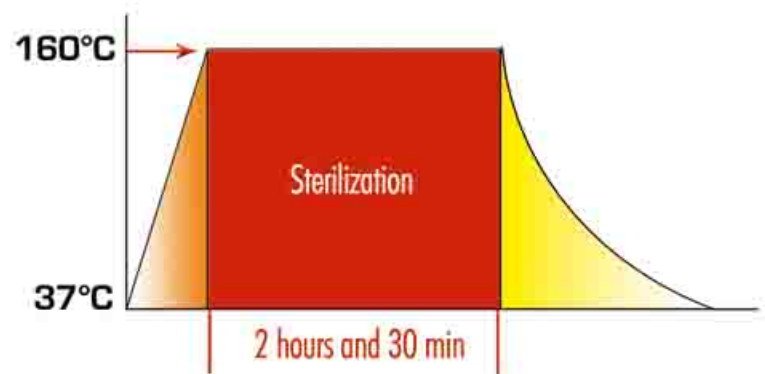
- Safety thermostat class 3.1 according to NF EN 61010.
- Over temperature safety adjustable with visual alarm.

## Dry heat sterilization cycle + 160°C

- Elimination of all the germs inside the chamber.
- Cycle starting and protection with key operated switch.



Programmable electronic PID controller



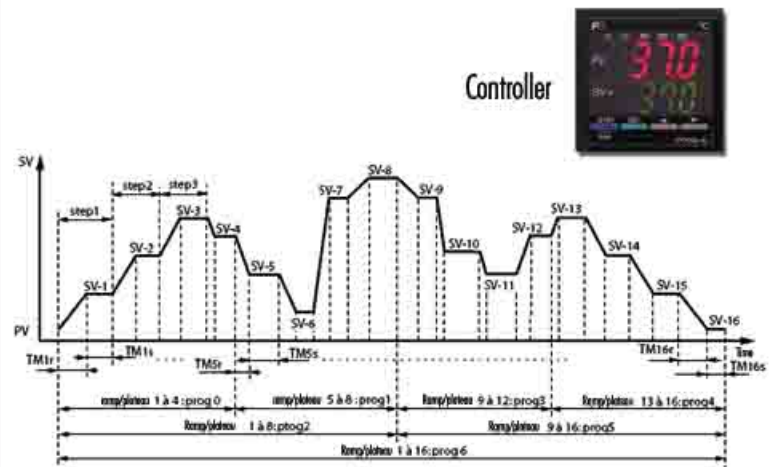
Sterilization cycle

# High-Tech version : monitoring

The High tech version has the same specifications as the standard version, with more possibilities for programming and data collection.

## Controls and Programming

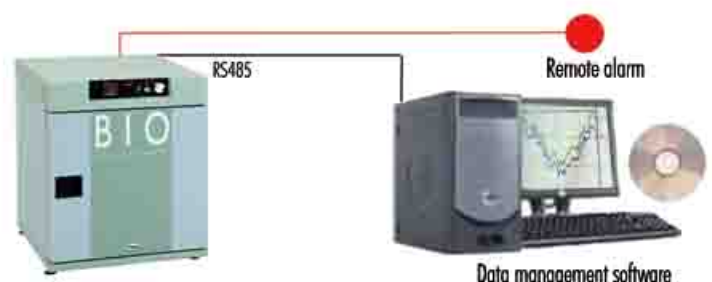
- Programmable electronic PID controller.
- Double digital display 1/10th °C.
- Possibility to program up to 7 different cycles with 16 temperatures.
- Delayed start timer.



Program up to 7 different cycles with 16 temperatures

## Data management

- RS485 communication 9 pins DIN connector.
- Remote alarm.
- Data management software.



Data management software

# Technical data

## Standard and High Tech version



Type			BC 60	BC 120	BC 240
Temperature range		°C	Amb. +5°C / 100°C	Amb. +5°C / 100°C	Amb. +5°C / 100°C
Performances					
Uniformity at	37°C	+/-°C	<0.5	<0.5	<0.5
	60°C	+/-°C	<1	<1	<1
Fluctuation		+/-°C	<0.2	<0.2	<0.2
Display resolution		°C	0.1	0.1	0.1
<b>Dimensions - Volumes</b>					
External dimensions	W x D x H	mm	522 x 540 x 640	622 x 640 x 740	622 x 640 x 1236
Internal dimensions	W x D x H	mm	400 x 355 x 390	500 x 455 x 500	500 x 455 x 980
Clear volume		litres	56	114	223
<b>Shelves</b>					
Standard supplied		nbre	2	2	2
Max. shelves advised		nbre	21	29	62
Maximal load - on a shelf / total		kg	20 / 50	20 / 70	20 / 90
Shelves dimensions	W x D	mm	380 x 320	480 x 430	480 x 430
<b>Weight</b>					
Net weight		Kg	40	55	82
Gross weight		Kg	54	71	100
<b>Electrical data</b>					
Nominal voltage		V / Hz	230 / 50	230 / 50	230 / 50
Nominal power		W	750	750	1500
Nominal intensity		A	10	10	10

## Equipments

### Accessories

- Additional stainless steel shelf
- Stacking unit as standard
- Petri dishes holder
- Lowenstein tray
- Castors
- Sub frame with or without castors
- Stainless steel water tray



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### Options

- PT 100 ohms + din socket for recorder link
- Circular disc recorder
- Electronic recorder
- Key locking door
- Internal socket
- Internal lighting
- Cofrac Certificate



Your dealer

