

BOECO COMPACT CO2 INCUBATOR S-BT

S-BT Smart Bioherm is designed for work in the areas of cell biology (operations with animal cell cultures and tissues), molecular biology (DNA/RNA reaction analysis, hybridization reactions), biotechnology (synthesis of target proteins and other molecules), immunology (synthesis of antibodies and other proteins of immune system).

Features:

- Six-sided heating: The heating elements are located on the walls and on the door, thus providing excellent uniform temperature distribution, regardless of external factors, such as ambient temperature and positioning of the device.
- Built-in infrared CO2-sensor allows an accurate control of the CO2 level. The sensor makes measurement non-sensitive to changes in temperature and humidity inside the incubator.

- The chamber is made of stainless steel with smoothed seams to minimize contamination and to facilitate cleaning.

► The BOECO S-BT is equipped with a UV air recirculation system - One UV lamp and a fan are mounted behind the rear wall, providing decontamination of the working volume.

- A convenient access port is built in the wall of the incubator for easy output of wire sensors or devices' installed inside. The access port is heated independently to prevent formation of condensate.

- An error tracing and alarm system lowers significantly potential risks during operation.

- The unit is equipped with a "black box" system that records temperature, humidity and CO2 levels, as well as statuses for door opening, UV lamp, fan and errors, to the inner memory.

- Bluetooth connection to PC is available as an option.

Technical details:

Working chamber material	Stainless Steel (1 mm)
Temperature setting range	+25°C ... +60°C
Temperature stability	±0.1°C
Temperature uniformity at +37°C	±0.3°C
Working volume	46 litres
Number of shelves	3 (max. 6)
Inner glass door	yes
Relative humidity	>90% @ 37°C
Humidity delivery	Water Pan
CO2 control range	0 – 20%
CO2 sensor	Infrared CO2 sensor
Temperature and CO2 level input	Digital
UV lamp	1 x 6 W, TUV G6T5
Data output	Wireless
Access port	1 (ø 26 mm)
Dimensions	400 x 410 x 580 mm
Weight	37.7 kg
Nominal operating voltage	230V, 50/60Hz; 115V, 50/60Hz

Code	Description
BOE 8087000	BOECO compact CO2 incubator, 230V, 50/60Hz
BOE 8087100	BOECO compact CO2 incubator, 115V, 50/60Hz

Accessories

Code	Description
BOE 8087001	Additional shelf
BOE 8087002	PC Software and Bluetooth adapter
BOE 8087003	Incubator stacking device



BOECO AUTOCLAVE BTE-23D

Features:

- Three times fractionated pre-vacuum
- Stainless steel chamber
- LCD display
- Equipped with high quality and high performance pump
- 1 tray holder, 1 tray handle and 3 trays included
- High quality water pump and valves
- Independent steam generator
- Two samples self-calibration
- Overhead type water storage tank, easy to clean.
- Drying procedure: Dry by vacuum.
- Sterilization temperature: 121°C and 134°C
- Test programs: Helix test, B&D test and Vacuum test.
- Sterilization cycles: 9 cycles are available and 3 test programmes.

Program	Temperature	Pressure	Sterilization time	Total time
SOLID 134	134°C	2.1 bar	4 min	25-45 min
SOLID 121	121°C	1.1 bar	20 min	35-60 min
LIQUID 134	134°C	2.1 bar	10 min	35-60 min
LIQUID 121	121°C	1.1 bar	30 min	35-65 min
WRAPPED 134	134°C	2.1 bar	4 min	35-60 min
WRAPPED 121	121°C	1.1 bar	20 min	35-65 min
TEXTILE 134 (or wrapped)	134°C	2.1 bar	6 min	45-65 min
TEXTILE 121 (or wrapped)	121°C	1.1 bar	20 min	50-70 min
PRION	134°C	2.1 bar	18 min	45-70 min
B&D TEST	134°C	2.1 bar	3.5 min	22-35 min
Helix TEST	134°C	2.1 bar	3.5 min	22-35 min
Vacuum TEST	-	-	-	15-20 min

- It only have several buttons, very easy to use, any people can run it easily.
- All cycles are fully automatic, there is no need for human intervention in cycle management.
- Pressure protection locking system that ensures the door will not be opened once there is any pressure in chamber.
- Sterilization documentation: Integrated Micro Printer and USB port to store the information of the programme cycle in flash memory.
- The sterilization time and dry time can be adjusted by manual, ensure user to obtain best sterilization effects according to private requirements.
- Malfunction detection system, corresponding error code will be showed on the display once there is something going wrong.

Safety:

- Warning system prevents starting a cycle if door is not properly locked.
- Triple threat protection for overheating and overpressure.
 - The pressure protection system will automatically cut off the electricity supply once the temperature of chamber inside is abnormally. Motorola pressure sensor is used to accurately sense the state of pressure inside chamber.
- Temperature control system is using high quality PT1000 temperature sensor, it is high precision, reliable service and prompt measurement, ensure accurate and timely transmission of temperature fluctuation.
- The safety valve will release steam in case the pressure inside chamber exceeds normal levels.

Technical Information:

- Conform to CE and EN13060
- Manufactured under ISO 13485 norms
- Chamber Size: ø 247 x 450 mm (23 l)
- External dimension: 490 x 480 x 680 mm, Net weight 51 kg
- Packing box 750x560x460 mm, Gross weight 58 kg
- Power: 220V, 50/60 Hz or 110V, 60Hz

Code	Description
BOE 8902300	BOECO BTE-23D Bench Top Autoclave, Vol. 23 l, ind 1 tray holder, 1 tray handle and 3 trays, micro printer and USB port, 220V, 50/60Hz
BOE 8902310	BOECO BTE-23D as above but for 110 V, 60 Hz



BOECO BTE-23D



MICRO PRINTER AND USB PORT

This BTE-23D adopts 3 times pre-fractionated vacuum system, the following chart simply describes the status of its process

