

## BOECO PERSONAL DIGITAL INCUBATOR SI-22

due to its compact architecture the SI-22 provides an economical, efficient and space saving personal solution for incubating culture flasks, dishes, tubes and test plates.

A personal incubator avoids contamination and reagent confusion caused by multiple people using one machine.

The integrated UV light provides disinfection after use. The UV disinfection mode is blocked during incubation.

The SI-22 has a double-deck metal plate reinforced door with door open alarm and automatic turn off UV lamp function. The watch window adopts anti-UV-explosion-proof glass, which allows people to inspect running condition of the machine.

The inner chamber is made out of stainless steel and easy to clean.

A small cord port at the back of the unit allows the use of small mixers.

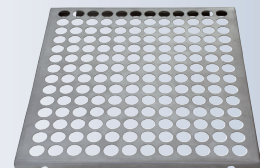
### Specification:

Volume:	22,5 l
Operating Temp. Range:	Room Temperature + 5°C... + 80°C
Temp. Uniformity:	± 0,65 (37°C)
Temp. Fluctuation:	± 0,65 (37°C)
Temperature Setting:	0,1°C
Ramping Time:	30 min.
Timekeeping Time:	99 hours, 59 min, 59 sec.
UV Disinfection Power:	6 W
Max. Number of shelves:	2
Internal Dimension:	273 x 300 x 304 mm (L x W x H)
External Dimension:	400 x 345 x 463 mm (L x W x H)
Weight net:	18 kg

Code	Description
BOE 8038000	Digital Incubator SI-22, 220V, 50/60 Hz incl. 1 stainless steel shelf
BOE 8038100	Digital Incubator SI-22, 115V, 60 Hz incl. 1 stainless steel shelf

### Accessories

Code	Description
BOE 8038001	Additional perforated stainless steel shelf



## BOECO ASPIRATOR WITH TRAP FLASK MODEL FTA-1

is designed for aspiration/removal of alcohol/buffer remaining quantities from microtest tube walls during DNA/RNA purification and other macromolecule reprecipitation techniques.

The FTA-1 can also be used for routine operations of cell washing from culture medium and resuspension in buffer.

A suction microbiological filter eliminates the risk of contamination from the trap flask with bacteria, viruses and infected particles.

### Specification:

Operating Principle:	Creating negative pressure in trapping flask using built-in microprocessor
Vacuum	-500mbar
Trap Flask vol.:	1000 ml
Dimension:	160 x 210 x 340 mm (with trap flask)
Power:	External power supply DC 12 V, 125 A
Net Weight:	1,7 kgs.

Code	Description
BOE 8039000	Aspirator with trap flask, model FTA-1
BOE 8039001	Optional 8-channel adapter manifold MA-8

MA-8 ADAPTER



SUCTION HYDROPHOBIC MICROBIOLOGIC FILTER



## BOECO COMPACT CO2 INCUBATOR S-BT

S-Bt Smart Biotherm 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 CO<sub>2</sub>-sensor allows an accurate control of the CO<sub>2</sub> 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 CO<sub>2</sub> 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
CO <sub>2</sub> control range	0 – 20%
CO <sub>2</sub> sensor	Infrared CO <sub>2</sub> sensor
Temperature and CO <sub>2</sub> level input	Digital
UV lamp	1 × 6 W, TUV G6T5
Data output	Wireless
Access port	1 (ø 26 mm)
Dimensions	400 × 410 × 580 mm
Weight	37.7 kg
Nominal operating voltage	230V, 50/60Hz; 115V, 50/60Hz

Code	Description
BOE 8087000	BOECO compact CO <sub>2</sub> incubator, 230V, 50/60HZ
BOE 8087100	BOECO compact CO <sub>2</sub> incubator, 115V, 50/60Hz

### Accessories

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



## BOECO DRY BATH BLOCK INCUBATOR DBI-100, DBI-200

are ideal for incubation and activation of cultures, enzyme reactions, blood urea nitrogen determinations, immunoassays, melting/boiling points and a wide variety of laboratory procedures.

A supplied special block extraction tool allows to remove blocks easily.



### Specification:

Model:	DBI-100	DBI-200
Temperature control range:	RT +5°C - 105°C	
Display Accuracy :	± 0,1°C	
Temperature Stability @100°C	0,4°C	
Uniformity <sup>1)</sup> within the block @37°C	≤ 0,5°C	
Heating Time (20 to 105°C)	less than 15 min	
Timer:	1 min - 99 h 59 min	
Block Quantity:	1	2
Power, max:	120 W	240 W
Size mm :	250x190x130	365x210x150
Weight:	2,5 kg	4,5 kg

Code	Description
BOE 8018000	Dry Block Thermostat DBI-100, 200/240 V 50/60 Hz
BOE 8018100	Dry Block Thermostat DBI-100, 110/120 V 50/60 Hz
BOE 8019000	Dry Block Thermostat DBI-200, 200/240 V 50/60 Hz
BOE 8019100	Dry Block Thermostat DBI-200, 110/120 V 50/60 Hz

### Aluminium blocks with conical bottom for microtubes:

Code	Description
BOE 8018001	Block DB 01 for 96 x 0,2 ml PCR tubes
BOE 8018002	Block DB 02 for 45 x 0,5 ml tubes
BOE 8018003	Block DB 03 for 35 x 1,5 ml tubes
BOE 8018004	Block DB 04 for 35 x 2,0 ml tubes
BOE 8018005	Block DB 05 for 15 x 0,5 ml + 20 x 1,5 ml tubes
BOE 8018006	Block DB 06 for 20 x 1,5 ml + 15 x 2,0 ml tubes
BOE 8018007	Block DB 07 for 32 x 0,2 ml + 25 x 0,5 ml + 9 x 1,5 ml tubes

### Aluminium blocks with flat bottom:

Code	Description
BOE 8018008	Block DB 08 for 20 x 5 ml tubes Bore size: 14 mm Ø, Depth 40 mm
BOE 8018009	Block DB 09 for 20 x 10 ml tubes Bore size: 16 mm Ø, Depth 47 mm
BOE 8018010	Block DB 10 <sup>2)</sup> for 12 x 15 ml tubes Bore size: 16,9 mm Ø, Depth 58,5 mm
BOE 8018011	Block DB 11 <sup>2)</sup> for 6 x 50 ml tubes Bore size: 29 mm Ø, Depth 58,5 mm

### Aluminium blocks with round bottom:

Code	Description
BOE 8018015	Block DB 15 <sup>2)</sup> for 40 x 6 mm Ø tubes Bore size: 6,5 mm Ø, Depth: 33 mm
BOE 8018016	Block DB 16 <sup>2)</sup> for 28 x 10 mm Ø tubes Bore size: 10,5 mm Ø, Depth: 47 mm
BOE 8018017	Block DB 17 <sup>2)</sup> for 24 x 12 mm Ø tubes Bore size: 12,5 mm Ø, Depth: 47 mm
BOE 8018018	Block DB 18 <sup>2)</sup> for 24 x 13 mm Ø tubes Bore size: 13,5 mm Ø, Depth: 47 mm
BOE 8018020	Block DB 20 <sup>2)</sup> for 14 x 16 mm Ø tubes Bore size: 16,5 mm Ø, Depth: 47 mm
BOE 8018027	External Sensor, PT 1000

<sup>1)</sup> uniformity is measured with a sample height within the block

<sup>2)</sup> for blocks DB 10, 11 the lid cannot be closed, for blocks DB 15-19 the lid could only be closed if the tube height is less than 80 mm



DB-01



DB-02



DB-03



DB-4



DB-5



DB-06



DB-07



DB-08



DB-09



DB-10



DB-11



DB-15



DB-16



DB-17



DB-18



DB-20