



BIO REFRIGERATED SCIENTIFIC

Laboratory Refrigerated Incubator - BRS120



Precise, Homogenous, Intuitive

The incubator is the heart of any laboratory handling living biological systems. Refrigerated versions ensure optimal conditions for survival and growth of micro-organisms with incubation temperatures between 5°C to 30°C.

Our new Bio Refrigerated Scientific incubators are accurate and durable with forced convection for better performance. They offer a modern, intuitive touchscreen interface with upgradeable software, and support capacities from 60 to 240 liters making them suitable for low and high numbers of samples.

MODELS AVAILABLE	120 L
Bio Refrigerated Scientific, plain door	BRS120
WARRANTY	
Parts	2 years



Intuitive
Touchscreen
Interface



Perfect
Temperature
Homogeneity



160°C
Sterilization
Cycle

Technical Specifications

BIO SCIENTIFIC - LABORATORY INCUBATORS	
MODEL	BRS120
GENERAL SPECIFICATION	
Net Volume	117 L
Ext Dimension (WxDxH)	626 x 680 x 1120 mm
Int Dimension (WxDxH)	456 x 500 x 500 mm
Ext Construction	Electrogalvanised steel with epoxy paint
Int Construction	Brushed stainless steel inner tank
Net weight	93 kg
Standard construction	1 fully closed door, easy hands-free closure / 1 power cord (1.5m)
Shelves (WxD)	480 x 430 mm : 2 anti-tilt stainless steel perforated shelf as standard (max/shelf: 35 kg distributed). Maximum numbers of shelves: 10 (max total weight: 70 kg)
Ambient temperature	From +18°C to +32°C
Use	Indoor use only
Environment	Not designed for use in explosive atmospheres (ATEX)
Warranty	2 years
CONTROL	
Display	7 inch Touch Screen, compatible with use of gloves
Software	Embedded and upgradable software: • Manual mode including realtime temperature value, set temperature value, realtime temperature profile • Automatic program mode including scheduler overview • 5 preset programs: 5 different programs • program settings : program name editing, step configuration including up to 16 different temperatures, ramp time, stabilisation time, etc.
Languages	English, French, Spanish, Chinese, German, Romanian
Remote Access	Unit can be connected to a computer to allow a remote access
Data	Temperature profiles, alarms can be exported on USB stick (CSV file format)
Settings	• Alarms • Brightness • Date/Time • User profile login: user, admin and service access • Language • Ethernet
Communication	USB port, Ethernet Port
HEATING SYSTEM	
Cooling system	Hermetic compressor
Heating system	Heating convection ensured by fan (no risk of conduction or radiation)
Ventilation	Turbine ventilation ensuring temperature homogeneity
Air Renewal	Adjustable on the front, rear exhaust
ELECTRIC AND ELECTRONIC DATA	
Controller type	Electronic PID self regulating and self-adaptive
Temperature probe	1 x Pt100 3 wires probe
List of alarms	High temperature / Over temperature safety class II according to the European standard EN 61010-2-010 (DIN 3.1 equivalent)
Type of alarm	Visual
Energy consumption	1650W
Types of power supply	230 V 50 Hz + T / 208V/60Hz (on demand) / 110V 50/60Hz (on demand)
PERFORMANCES (AMBIENT TEMPERATURE : 22°C)	
Temperature range	0°C to 100°C, (factory setting +4°C to 100°C) 1/10th degree display (set and actual temperature)
Temporal stability	+/-0.1°C
Homogeneity at +37°C	+/-0.5 °C
STERILIZATION	
Type of sterilization	Thermo-disinfection by dry heat at 160°C for 2h30 / Orange screen displayed during program running
Starting method	Cycle start with a user's validation. During cycle a specific message is displayed "Sterilization cycle in progress" with flashing at the top of the screen
OPTIONS & CONFORMITIES	
Options	<ul style="list-style-type: none"> • Key door lock • 4 castors (80 mm diameter, including 2 with brakes) • Stainless steel wire shelf • Stainless steel shelf with anti-tip safety (480 x 430 mm) • Stacking kit including 2 spacers, a tool and an explanatory note • Base without wheels <ul style="list-style-type: none"> • Base with 4 wheels. Diameter 80 mm including 2 with brakes • Additional cable entry port 50 mm with sealing plug • Additional Pt 100 Ohms probe + DIN plug for recorder connection • PT 100 Ohms probe, delivered with 3 points COFRAC verification • External door with glass, viewing door
Supplied with	1 Shelf, 1 power cord & User manual
Certification / Conformities	Equipment meets the specifications and CE compliant to: <ul style="list-style-type: none"> • EN60068-3-11 • 2014/35/UE – Low voltage directive • 2014/30/UE – EMC directive, Class A device
Shipping weight	99 kg
Shipping dimension (WxDxH)	670 x 750 x 1300 mm