

Bio Refrigerated Expert

BRE120 Incubator



Precise and Homogenous.

Accurate and durable laboratory incubators with natural or forced convection available with or without refrigeration. Froilabo's range of laboratory incubators provide flexible solutions suited to a variety of applications. Supporting capacities from 60 litres to 1,300 litres they are suitable for large and small laboratories.

PERFORMANCE (Ambient temp: 22°C)

Temperature range	+0°C to 100°C
Homogeneity at 37°C	<+/-0.5°C
Temporal stability	<+/-0.2°C

WARRANTY

Parts	2 years
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160°C

Sterilization Cycle



8 mins

To rise from 18°C to 60°C

Technical Specifications

BRE120 REFRIGERATED LABORATORY INCUBATOR

GENERAL SPECIFICATIONS

Net Volume	117 L
Ext Dimension (W x D x H)	1020 x 626 x 679.5 mm / 40.2 x 24.6 x 26.7 in
Int Dimension (W x D x H)	500 x 500 x 456 mm / 19.7 x 19.7 x 18 in
Ext Construction	Electrogalvanised steel with epoxy paint
Int Construction	Brushed stainless steel inner tank
Net Weight	88 kg / 194 lb
Standard Construction	1 fully closed door, easy hands-free closure / Safety glass inner doors for better insulation / 1 power cord (1.5m) / 4 levelling feet / 1 probe passage (30mm) - left side
Shelves (W x D)	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
Environment	Indoor use only, not designed for use in explosive atmospheres (ATEX)
Warranty	2 years

HEATING SYSTEM

Refrigeration Machinery	Hermetic compressor (R134A)
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	Self-adjusting and self-adaptive PID electronic regulation Programmable 8-segment controller
Temperature probe	1 x Pt100 3 wires probe
List of alarms	High temperature / Overtemperature safety class II according to the European standard EN 61010-2-010 (DIN 3.1 equivalent)
Type of alarm	Visual
Energy consumption	1650 W
Types of power supply	Voltage 230V ~ +/-10%, 50 Hz, Voltage 110V ~ +/-10%, 50/60Hz (on demand) Voltage 220V ~ +/-10%, 60Hz (on demand)

PERFORMANCES (AMBIENT TEMPERATURE +22°C)

Temperature range	0°C to 100°C (factory setting: +4°C to 100°C), display to 1/10° degree (setpoint and actual temperature)
Temporal stability	+/- 0.2°C
Homogeneity at 37°C	+/- 0.5°C

STERILISATION

Type of sterilization	Thermo-disinfection by dry heat at 160°C for 2h30 / Operation LED indicator
Starting method	Cycle start and protection by key switch

OPTIONS & CONFORMITIES

Options	<ul style="list-style-type: none"> • Base with or without 4 casters • Key door lock • Chart recorder • Characterization 9 points according to EN60068-3-11 • Stainless Steel Perforated shelf • Lowenstein trays • Additional cable entry port
Supplied with	2 Shelves, 1 power cord & User manual
Certification / Conformities	Equipment meets the specifications and CE compliant to EN60068-3-11 • 2014/35/UE – Low voltage directive • 2014/30/UE – EMC directive, Class A device • 2014/68/UE – Under pressure devices
Shipping weight	94 kg / 207.2 lb
Shipping dimensions (W x D x H)	1680 x 750 x 690 mm / 66.1 x 29.5 x 27.2 in