

Bio Performance

BP414 Large Volume 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	+7°C to 60°C
Homogeneity at 37°C	<+/-0.3°C
Temporal stability	<+/-0.2°C

WARRANTY

Parts	2 years
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Class II

Overtemperature Safety



8 mins

To rise from 18°C to 60°C

Technical Specifications

BP414 LARGE VOLUME LABORATORY INCUBATOR

GENERAL SPECIFICATIONS

Net Volume	414 L
Ext Dimension (W x D x H)	1130 x 855 x 1170 mm / 44.5 x 33.6 x 46 in
Int Dimension (W x D x H)	990 x 550 x 760 mm / 39 x 21.7 x 30 in
Ext Construction	Electrogalvanised steel with epoxy paint
Int Construction	Brushed stainless steel inner tank
Net Weight	210 kg / 463 lb
Standard Construction	Fully closed doors / Safety glass inner doors for better insulation / 1 power cord (1.5m) / 4 levelling feet
Shelves (W x D)	975x 475 mm : 2 anti-tilt stainless steel perforated shelf as standard (max/shelf: 70 kg distributed). Maximum numbers of shelves : 10 (max total weight : 140 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

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 programmable 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	1500 W
Types of power supply	Voltage 230V ~ +/-10%, 50 Hz + Three-phase

PERFORMANCES (AMBIENT TEMPERATURE +22°C)

Temperature range	Amb + 7°C to 60°C, 1/10th degree display (set and actual temperature)
Temporal stability	+/-0.2°C
Homogeneity at 37°C	+/-0.3°C

OPTIONS & CONFORMITIES

Options	<ul style="list-style-type: none">• Variable flow extractor from 0 to 200m³/hour, external diameter 75mm• Additional wall passage diameter 50 mm with sealing plug• Perforated stainless steel shelf
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
Shipping weight	220 kg / 485 lb
Shipping dimensions (W x D x H)	1200 x 860 x 1400 mm / 47.2 x 33.9 x 55 in