Forced-Air Heating Incubator 30-230 L, RT+5 to 120°C, Dual PID, Digital Temperature Limiter

Model **MSICB-F30SWISS,MSICB-F45SWISS,MSICB-F65SWISS,MSICB-F85SWISS,MSICB-F125SWISS,MSICB-F230SWISS** | Brand **Master Science**







The Master Science Forced-Air Heating Incubator is a general-purpose warm incubator that also reaches higher temperatures than most, up to 120°C. That range covers bacterial culture at 37°C as well as drying, curing and heat-ageing jobs on the same unit.

KEY HIGHLIGHTS

- Wide temperature range
- Double overheat protection
- Adjustable airflow
- Six sizes

AT A GLANCE

RT+5 to 120°C
TEMPERATURE RANGE

30 / 45 / 65 / 85 / 125 / 230 L
CAPACITY

±1.0°C
UNIFORMITY

Reaches 120°C for heat-treatment tasks.
LIMITED MAXIMUM TEMPERATURE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Air moves through a vertical dual-duct system and circulates horizontally across the shelves, with a fan that can be set to three speeds on most models. A dual-stage PID controller with PT100 sensor holds ±0.5°C fluctuation, and a separate digital temperature limiter cuts the heater and raises an alarm if the chamber overheats. Six sizes run from a 30 L benchtop unit to a 230 L floor model.

For cultures that need cooling below room temperature, see our cooling biochemical incubator alongside the Master Science Forced-Air Heating Incubator.

Basic incubators often lack range, uniformity and backup protection. The Master Science Forced-Air Heating Incubator addresses:

Key Benefits

Wide temperature range
The Master Science Forced-Air Heating Incubator handles 37°C cultures and jobs up to 120°C.

Double overheat protection
An independent digital limiter backs up the main controller.

Adjustable airflow
Three fan speeds suit sensitive samples or fast heat-up.

Six sizes
From 30 L benchtop to 230 L floor-standing.

Technical Specifications

GENERAL

General	Specifications of the Master Science Forced-Air Heating Incubator range:
Brand	Master Science
Model Number	MSICB-F30SWISS,MSICB-F45SWISS,MSICB-F65SWISS,MSICB-F85SWISS,MSICB-F125SWISS,MSICB-F230SWISS
SKU	MSICB-F30SWISS,MSICB-F45SWISS,MSICB-F65SWISS,MSICB-F85SWISS,MSICB-F125SWISS,MSICB-F230SWISS
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SKU	MSICB-F30SWISS, MSICB-F45SWISS, MSICB-F65SWISS, MSICB-F85SWISS, MSICB-F125SWISS, MSICB-F230SWISS
Capacity	**30 / 45 / 65 / 85 / 125 / 230 L**
Circulation	Forced convection
Temperature range	**RT+5 to 120°C**
Fluctuation	±0.5°C
Resolution	0.1°C
Uniformity	±1.0°C
Sensor	PT100
Controller	Dual-stage intelligent PID, touch buttons, dual LCD (actual and set)
Timer	0-9999 min with timed wait
Fan	4-level, 3-speed adjustable (fixed on 230 L)
Functions	Sensor correction, overshoot self-tuning, parameter lock, power-off memory
Chamber	Mirror stainless steel
Exterior	Electrostatically coated cold-rolled steel
Heater	Stainless steel heating tube
Exhaust / test port	Ø35 mm on top
Shelves (standard / max)	2/5, 2/6, 2/8, 2/8, 2/11, 2/17
Load per shelf	15 kg
Shelf spacing	40 mm
Safety	Independent digital temperature limiter; over-temperature sound and light alarm

DIMENSIONS & WEIGHT

Internal dimensions (W×D×H)	310 × 310 × 310 / 350 × 350 × 350 / 400 × 360 × 450 / 450 × 420 × 450 / 500 × 450 × 550 / 600 × 500 × 750 mm
External dimensions (W×D×H)	460 × 510 × 695 / 500 × 550 × 735 / 550 × 550 × 840 / 590 × 610 × 830 / 636 × 680 × 915 / 735 × 835 × 1115 mm
Net / gross weight	33/37, 37/43, 44/49, 50/56, 60/66, 94/120 kg

POWER	
Power supply	AC 220 V, 50/60 Hz
Power rating	0.4 / 0.5 / 0.7 / 0.9 / 1.1 / 1.5 kW
Lost settings after power cuts	Parameters are retained automatically.

INCUBATION PROBLEMS THE MASTER SCIENCE FORCED-AIR HEATING INCUBATOR SOLVES	
Limited maximum temperature	Reaches 120°C for heat-treatment tasks.
Uneven chamber temperature	Dual-duct forced air improves uniformity.
Overheating risk	An independent limiter cuts heating if needed.

Applications

The Master Science Forced-Air Heating Incubator is used for

Bacterial and microbial culture Hospital and clinical lab incubation Drying and heat treatment of small samples Material curing and heat-ageing Teaching labs in biology and chemistry

Airflow and heating

- Vertical dual-duct, horizontal air circulation
- 4-level, 3-speed fan with LED indicator
- Stainless steel heating tube

Control

- Dual-stage PID with PT100 sensor
- Dual LCD for actual and set temperature
- Timer with auto stop and timed wait
- Parameter lock and power-off memory

Safety and build

- Independent digital temperature limiter
- Over-temperature alarm with heater cut-off
- Mirror stainless steel chamber
- Ø35 mm top exhaust and test port

Standard Accessories Included

- Heating incubator
- Shelves ×2

Optional Accessories

- Additional shelves
- USB (U-disk) data storage
- Printer
- 3.5 inch colour touch screen controller