



DUAL CHAMBER REFRIGERATED INCUBATOR

JSMI-02C

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0 °C ~ 70 °C



JSMI-02C Dual Chamber Refrigerated Incubator
125 liter x 2 Chambers

JSMI-02C Dual Chamber Multi-Room Refrigerated Incubator provides two chambers in a compact unit share less footprint. Temperature of each chamber can be controlled independently which allow to process incubation at different temperature condition at the same time to save time and cost. Useful for bacterial, fungal, cell and tissue culture incubation or comparison test of samples such as food, packaging, QA or QC laboratory in pharmaceutical industries.

Features

Performance

Temperature Range : 0 °C to 70 °C

Temperature Accuracy : within +/- 0.2 °C

Temperature Uniformity : within +/- 0.5 °C

Forced air convection for excellent thermal accuracy and uniformity.

Aero-dynamic chamber designed with circulation blower to achieve superior thermal uniformity.

Separated heating and cooling compartment located on the back wall for contamination free and maintenance free.

Hermetically Sealed Air Cooled Compressor

Construction

Durable epoxy powder coated metallic casing.

Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy cleaning and prevents leakage.

Tempered Safety Inner Glass Door for easy observation of samples.

Convenience

Outer door with self-adhesive magnetic packing.

Inner Glass Door with high density silicone gasket and air-tight Door Lock.

Removable and adjustable shelf by 25mm spacing.

Safety

DUAL OVER TEMPERATURE CUT-OFF BY CONTROLLER
AND INDEPENDENT THERMOSTAT

HIGH TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM

LOW TEMPERATURE CUT-OFF AND AUDIO VISUAL ALARM

PT SENSOR SHORT OR DISCONNECTION AUDIO VISUAL ALARM

OVER CURRENT CUT-OFF : Fuse

3-ZONE PID Algorithm

3-Point Calibration

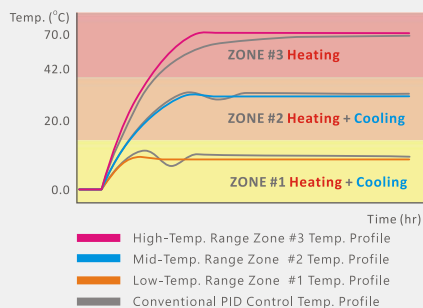
1-Point Offset

Temperature Control

- Digital Microprocessor PID Controller
- High-fidelity clear back light LCD displays complete setting and operating condition at a glance
- UV Coated Polycarbonate Touch Panel
- Easy-to-use Encoder Type Jog Dial for quick and convenient setting of temperature and timer
- 0.1 °C Control resolution
- Turn-On and Turn-Off Timer up to 99 hour 59 min.
- Temperature and Timer memory function in frequent use
- 3-Zone PID Algorithm
- 3-Point Calibration
- 1-Point Offset Calibration
- Power Outage and Restore Function
- Class A Pt-100 Ohm Sensor
- RS-232C PC Communication Interface [OPTION]

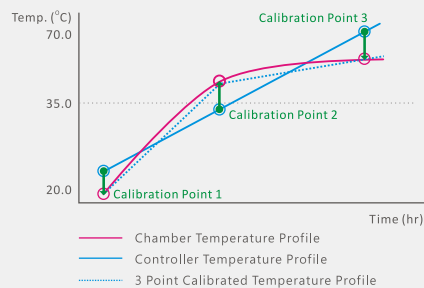


3-ZONE PID Algorithm



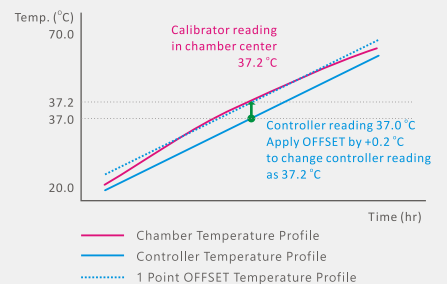
Complete temperature range is divided into three zones (LOW/MIDDLE/HIGH) and each ZONE has its individual PID algorithm to provide precise and superior temperature control characteristic of whole temperature range.

3-Point Calibration



An excellent calibration tool to calibrate chamber at THREE DIFFERENT TEMPERATURE POINTS to adjust multiple temperature bias to increase temperature accuracy of WHOLE TEMPERATURE RANGE.

1-Point Offset



Provides simple and easy calibration tool to calibrate chamber at ONE SPECIFIC TEMPERATURE POINT of frequent use.

Specifications

Model

JSMI-02C

Dimension Data

Chamber Volume	125 Liters x 2 Chambers
Inner Dims. (WxDxH) mm	500 x 500 x 500 / Chamber
Outer Dims. (WxDxH) mm	680 x 825 x 1950
No. of Shelf Positions	16 ea by 25 mm spacing / chamber
No. of Shelf Included	4 ea

Performance Data

Heating & Cooling System	Forced Convection with Hermetically Sleased Air Cooled Compressor
Temperature Range	0 °C to 70 °C, 0.1 °C resolution
Temperature Accuracy at 20.0 °C	+/- 0.2 °C
Temperature Uniformity at 20.0 °C	+/- 0.5 °C

Controller

Type	Digital Microprocessor PID Temp. Controller with Capacitive Touch Button and Jog Dial
Display	Full Size Digital Back Light Graphic LCD Display
Control Logic	3 Zone PID Control
Calibration	1 Point Temperature Offset 3 Point Temperature Calibration
Turn-Off Timer	Max. 99 hr 59 min by 1 min resolution
Turn-On Timer	Max. 99 hr 59 min by 1 min resolution
Sensor	Class A Pt-100 Ohm Sensor
Power Restoration	Power and Timer Restoration Function in case of power outage
Communication Interface	RS-232C Communication Interface [OPTION]

Material Data

Body	Epoxy Powder Coated Steel
Chamber	Stainlss Steel 304 (AISI304)
Inner Glass Door	5.0 mm Thick Tempered Safety Glass Door

Safety Data

Safety Device	Over Temperature / Over Cooling / Over Current Protection Audio Visual Alarm
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Electrical Data

Power Requirement	230 +/- 10% VAC 50/60 Hz 1 Phase
Power Consumption	3.2 kW 14.1 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363

Usable Condition

Temp. & Humidity	5 °C - 40 °C, 80% RH Max.
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JSR

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Ordering Information

Art. Number

Descriptions

JSMI-02C

Dual Chamber Refrigerated Incubator, 125 Liter x 2 chamber
230 VAC 1 ph 50/60Hz

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Accessories

Shelves

PHS-A06

Perforated Shelf, Stainless Steel 304, for JSMI-02C W470 x D480 mm

PHS-C05

Wire Shelf, PVC Coated, for JSMI-02C W470 x D480 mm

PHS-A99

Shelf Support, Set of 4 ea



DISTRIBUTOR

JSR

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