

JSIO-Series

HEAVY DUTY INDUSTRIAL OVEN

amb. +10 °C ~ 250 °C



Features

Performance

Temperature Range : amb. +10 °C to 250 °C

Temperature Accuracy : within +/- 0.3 °C (JSIO-400T)

Temperature Uniformity : within +/- 5.0 °C (JSIO-400T)

Control Temperature Range

from ambient +10 °C to 250 °C.

Forced air convection for fast drying application

Adjustable damper system on each shelf level allow maintaining optimum air circulation throughout the chamber to achieve excellent temperature uniformity and operational condition.

50mm thick high thermal efficiency mineral wool with woven aluminum barrier sheet saves energy and less dust.

Construction

Durable epoxy powder coated metallic casing.

Ventilation damper.

Corrosion resistant Stainless Steel 304 chamber.

Convenience

Removable shelf.

Compression door lock.

Opening size adjustable ventilation damper.

Door switch cut-off heater and blower to protect user from exposure to hot air.

Safety

DOOR SENSOR CUT OFF HEATER AND FAN

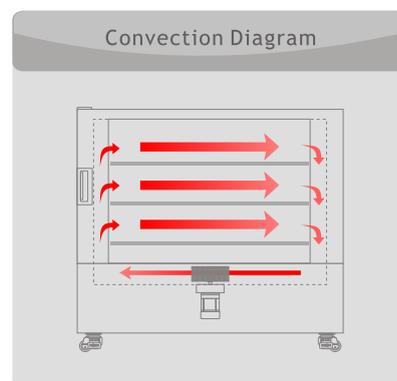
DUAL OVER TEMPERATURE CUT-OFF BY CONTROLLER AND INDEPENDENT THERMOSTAT

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 : Electrical Leakage Breaker



Specifications

Model

JSIO-400T

JSIO-960T

JSIO-1400T

Dimension Data

Chamber Volume	410 Liters	960 Liters	1386 Liters
Inner Dims. (WxDxH) mm	650 x 600 x 1050	1000 x 800 x 1200	1100 x 1050 x 1200
Outer Dims. (WxDxH) mm	935 x 835 x 1810	1285 x 1035 x 1960	1385 x 1235 x 1960
Window Dims. (WxH) mm	n/a	n/a	n/a
No. of Shelf Positions	8 ea	8 ea	8 ea
No. of Shelf Included	3 ea	3 ea	3 ea
No. of Ventilation Damper	1 ea	1 ea	1 ea

Performance Data

Heating System	Forced Convection Horizontal Air Flow		
Temperature Range	ambient +10 °C to 250 °C, 0.1 °C resolution		
Temperature Accuracy at 120 °C	+/- 0.3 °C	+/- 0.5 °C	+/- 0.5 °C
Temperature Uniformity at 120 °C	+/- 5.0 °C	+/- 6.0 °C	+/- 8.0 °C
Heat-up Time to 120 °C	20 min.	25 min.	25 min.

Controller

Type	Digital Microprocessor PID Temp. Controller
Display	4 Digit LED Display
Control Logic	PID Temperature Control with Auto-Tuning
Calibration	1 Point Temperature Offset
Auto-Start	99 min 59 sec / 99 hr 59 mi n / 99 day 23 hr
Auto-Stop	99 min 59 sec / 99 hr 59 mi n / 99 day 23 hr
Sensor	CLASS A PT-100 Ohm Sensor
Power Restoration	Power and Timer Restoration Function in case of power outage
Communication Interface	n/a

Material Data

Body	Epoxy Powder Coated Steel
Chamber	Stainlss Steel 304 (AISI304)
Insulaton	50 mm Woven Mineral Wool with Aluminum Barrier

Safety Data

Safety Device	Door Open / Over Temperature / Over Current Protection
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Electrical Data

Power Requirement	220 VAC 50/60 Hz 1 Phase	380 VAC 50/60 Hz 3 Phase	380 VAC 50/60 Hz 3 Phase
Power Consumption	4.7 kW 22.0 amp	7.7 kW 11.7 amp	10.7 kW 16.3 amp
Plug Configuration	30 AMP Plug	30 AMP Plug	30 AMP Plug

Usable Condition

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

Art. Number

Descriptions

JSIO-400T	Heavy Duty Industrial Oven, 410 Liter	220 VAC 1 ph 50/60Hz
JSIO-960T	Heavy Duty Industrial Oven, 960 Liter	380 VAC 3 ph 50/60Hz
JSIO-1400T	Heavy Duty Industrial Oven, 1386 Liter	380 VAC 3 ph 50/60Hz

Accessories

Shelves

PHS-A12	Perforated Shelf, Stainless Steel 304 for JSIO-400T	W640 x D560 mm
PHS-A16	Perforated Shelf, Stainless Steel 304 for JSIO-960T	W990 x D760 mm
PHS-A18	Perforated Shelf, Stainless Steel 304 for JSIO-1400T	W1090 x D1010 mm

DISTRIBUTOR

JSR

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