

COMMODITY DESCRIPTION

H.S. Code	Item No	Description	Unit	Quantity
8419.39.9000	-	Natural Convection Oven	SET	1

A. Model Name : JSON-050

B. Product Description : Natural Convection Oven

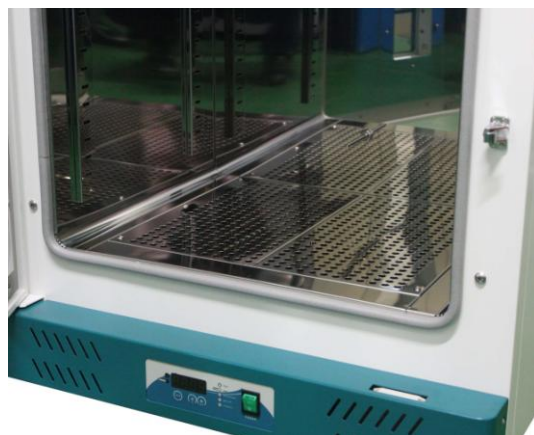
C. Manufacturer / Origin : JS Research Inc. / Rep. of KOREA

D. Application :

JSON-Series Natural Convection Ovens heat up chamber with mild gravity air convection with heating element located under the chamber.

Ideal for general and conventional laboratory drying purpose.

E. Photo



JSON-150 Natural Convection Oven

F. Feature

Controller JSC-0D Digital PID Controller

- ✓ ± 0.1 °C Digital PID Controller with LED Display
- ✓ Automatic START/STOP timer
- ✓ Adjustable timer scale 99min 59sec / 99hr 59min / 99 day 23hr or continuous operation
- ✓ Temperature calibration
- ✓ Auto-tuning function
- ✓ Class A Pt-100 Ω sensor

Construction

- ✓ Durable epoxy powder coated metallic casing
- ✓ Ventilation damper
- ✓ Corrosion resistant Stainless Steel 304 chamber
- ✓ Double layered glass window for easy observation of samples

Performance

- ✓ Gravity air convection heated from the bottom creates mild vertical air circulation in the chamber
- ✓ Separate heating compartment located on bottom with perforated heater cover
- ✓ 50mm thick high thermal efficiency mineral wool with woven aluminum barrier sheet save energy and less dust

Convenience

- ✓ Double layered tempered safety glass window for easy observation of samples under testing
- ✓ Stainless Steel 304 Chamber with seamless round cornered edge allows easy cleaning and prevent leakage
- ✓ Removable and height adjustable shelf by 25mm spacing
- ✓ Easy to open and air-tight one touch door latch
- ✓ Opening size adjustable ventilation damper
- ✓ Non-contact door switch cut-off heater

Safety

- ✓ DUAL OVER TEMP. CUT-OFF
- ✓ Digital system cut-off heater and AUDIO VISUAL ALARM in case +2 °C above set temperature
- ✓ Analog system cut-off heater 10% above set temp.
- ✓ MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM when +1 °C above maximum limit
- ✓ DOOR SENSOR : Non-contact magnetic door switch cut-off heater when door opened
- ✓ SENSOR DISCONNECTION ALARM
- ✓ OVER CURRENT CUT-OFF : Electrical Leakage Breaker

G. Specifications

Chamber Volume(Capacity)	48 Liters
Inner Dims. (W x D x H)	400 x 300 x 400 mm
Outer Dims. (W x D x H)	560 x 525 x 710 mm
Window Dims. (W x H)	150 x 290 mm
No. of Shelves included	2 EA
No. of Shelf position	12 EA by 25 mm spacing
No. of Ventilation damper	1 EA
Heating	Gravity Air Convection
Temp. Range	ambient +10°C ~ +250°C
Accuracy	±0.3°C at +120°C
Uniformity	±2.0°C at +120°C
Heat up time to +120°C	10 min.
Control	Microprocessor PID control Auto START / STOP Timer
Sensor	Class A PT-100 Ω Sensor
Safety	Over-Temperature Cut-Off Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel, 1.0 mm thickness Chamber : Stainless Steel 304, 0.8 mm thickness Insulation : 50 mm Woven Mineral Wool
Electrical Requirement	220 ± 10% VAC, 50/60Hz, 1-Phase
Heater Capacity	1.2 kW
Power Rating	5.5 amps
Plug Configuration	CEE 7/7 Schuko or BS 1363
Net Weight	42 kg
Shipping Weight	53 kg
Shipping Dims. (W x D x H)	570 x 600 x 860 mm, carton on a wooden palette

H. Standard Accessories

Wire Shelf, Stainless Steel 304 : 2 EA

Shelf Support : 8 EA

Instruction Manual : 1 EA

Warranty Card : 1 EA

I. Options & Accessories

Art No.	Descriptions
OEC-001	JSC-1D Digital PID Controller /w RS-232C Interface, PC Software
OEC-003	JSC-3D Programmable Controller 1 Pattern 11 Segments /w RS-232C Interface, PC Software
OEC-005	JSC-5D Programmable Controller 5 Patterns 80 Segments
PHS-A03	Perforated Shelf, Stainless Steel 304, W370 x D280 mm
PHS-B03	Wire Shelf, Stainless Steel 304, W370 x D280 mm
PHS-A99	Shelf Support, Set of 4 EA

J. Warranty

1 Year full coverage warranty