

# JSOF-H Series

## 350 °C HI-TEMP OVEN

amb. +10 °C ~ 350 °C



### # Features

#### Performance

Temperature Range : amb. +10 °C to 350 °C

Temperature Accuracy : within +/- 0.2 °C (JSOF-030H)

Temperature Uniformity : within +/- 1.0 °C (JSOF-030H)

Control Temperature Range

from ambient +10 °C to 350 °C.

Forced air convection for fast drying application

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

Separate heating compartment located on side wall for contamination free and maintenance free.

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 and adjustable shelf by 25mm spacing.

Air-tight door latch.

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	JSOF-030H	JSOF-100H	JSOF-150H	JSOF-250H
<b>Dimension Data</b>				
Chamber Volume	27 Liters	96 Liters	150 Liters	250 Liters
Inner Dims. (WxDxH) mm	300 x 300 x 300	400 x 400 x 600	500 x 500 x 600	600 x 600 x 700
Outer Dims. (WxDxH) mm	745 x 460 x 580	845 x 560 x 880	945 x 660 x 880	1045 x 760 x 980
Window Dims. (WxH) mm	n/a	n/a	n/a	n/a
No. of Shelf Positions	14 ea	20 ea	20 ea	20 ea
No. of Shelf Included	2 ea	2 ea	2 ea	3 ea
No. of Ventilation Damper	1 ea	1 ea	1 ea	1 ea
<b>Performance Data</b>				
Heating System	Forced Convection			
Temperature Range	ambient +10 °C to 350 °C, 0.1 °C resolution			
Temperature Accuracy at 120 °C	+/- 0.2 °C	+/- 0.3 °C	+/- 0.3 °C	+/- 1.0 °C
Temperature Uniformity at 120 °C	+/- 1.0 °C	+/- 1.5 °C	+/- 1.5 °C	+/- 2.0 °C
Heat-up Time to 200 °C	8 min.	10 min.	10 min.	15 min.
<b>Controller</b>				
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	CA (K)-Type Sensor			
Power Restoration	Power and Timer Restoration Function in case of power outage			
Communication Interface	n/a			
<b>Material Data</b>				
Body	Epoxy Powder Coated Steel			
Chamber	Stainlss Steel 304 (AISI304)			
Insulaton	50 mm Woven Mineral Wool with Aluminum Barrier			
<b>Safety Data</b>				
Safety Device	Door Open / Over Temperature / Over Current Protection			
<b>Electrical Data</b>				
Power Requirement	220 +/- 10% VAC   50/60 Hz   1 Phase			
Power Consumption	2.1 kW 9.5 amp	2.6 kW 11.8 amp	3.1 kW 14.1 amp	4.1 kW 18.6 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363			30 AMP Plug
<b>Usable Condition</b>				
Temp. & Humidity	5 °C - 40 °C, 80% RH Max.			

**JSR**

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### # Ordering Information

Art. Number	Descriptions
JSOF-030H	Hi-Temp Forced Convection Oven    27 Liter    220 VAC 1 ph 50/60Hz
JSOF-100H	Hi-Temp Forced Convection Oven    96 Liter    220 VAC 1 ph 50/60Hz
JSOF-150H	Hi-Temp Forced Convection Oven    150 Liter    220 VAC 1 ph 50/60Hz
JSOF-250H	Hi-Temp Forced Convection Oven    250 Liter    220 VAC 1 ph 50/60Hz

Accessories	Shelves
PHS-A01	Perforated Shelf, Stainless Steel 304 for JSOF-030H    W270 x D270 mm
PHS-A04	Perforated Shelf, Stainless Steel 304 for JSOF-100H    W370 x D370 mm
PHS-A20	Perforated Shelf, Stainless Steel 304 for JSOF-150H    W470 x D470 mm
PHS-A25	Perforated Shelf, Stainless Steel 304 for JSOF-250H    W570 x D570 mm
PHS-B01	Wire Shelf, Stainless Steel 304 for JSOF-030H    W270 x D270 mm
PHS-B04	Wire Shelf, Stainless Steel 304 for JSOF-100H    W370 x D370 mm
PHS-B14	Wire Shelf, Stainless Steel 304 for JSOF-150H    W470 x D470 mm
PHS-B25	Wire Shelf, Stainless Steel 304 for JSOF-250H    W570 x D570 mm
PHS-A99	Shelf Support, Set of 4 ea
PHC-001	Nitrogrn Gas Purge System, Gas inlet/outlet fitting with valve and flow meter

DISTRIBUTOR

# JSR

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