

# JSOF-030S / 050S JSON-030S / 050S DRY HEAT STERILIZER

amb. +10 °C ~ 250 °C

Dry Heat Sterilizer is a common instrument to be used to drying, heating and sterilizing objects by heating air up to +160 °C or +180 °C with forced convection or gravity convection system during specified sterilizing exposure time range from 30 to 60 minutes.

## # Features

### Performance

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

Temperature Accuracy : within +/- 0.2 °C

Temperature Uniformity : within +/- 1.0 °C

Choice of forced convection or gravity convection.

JSOF-030S/050S Forced Air Convection

JSON-030S/050S Gravity Air Convection

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 with seamless round cornered edge allows easy cleaning and prevents leakage.

### Convenience

Stainless Steel 304 Chamber with seamless round cornered edge allows easy cleaning.

Removable and adjustable shelf by 25mm spacing.

Easy-to-open and air-tight one touch 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

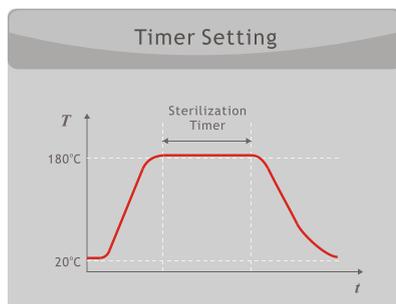
DUAL OVER TEMPERATURE CUT-OFF BY CONTROLLER  
AND INDEPENDENT THERMOSTAT

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-030S	JSOF-050S	JSON-030S	JSON-050S
	<b>Forced Convection</b>		<b>Gravity Convection</b>	
<b>Dimension Data</b>				
Chamber Volume	33 Liters	48 Liters	33 Liters	48 Liters
Inner Dims. (WxDxH) mm	350 x 270 x 350	400 x 300 x 400	350 x 270 x 350	400 x 300 x 400
Outer Dims. (WxDxH) mm	510 x 570 x 660	560 x 585 x 710	510 x 490 x 660	560 x 505 x 710
Window Dims. (WxH) mm	n/a	n/a	n/a	n/a
No. of Shelf Positions	10 ea	12 ea	10 ea	12 ea
No. of Shelf Included	2 ea	2 ea	2 ea	2 ea
No. of Ventilation Damper	1 ea	1 ea	1 ea	1 ea
<b>Performance Data</b>				
Heating System	Forced Convection		Gravity Convection	
Temperature Range	ambient +10 °C to 250 °C, 0.1 °C resolution			
Temperature Accuracy at 120 °C	+/- 0.2 °C	+/- 0.2 °C	+/- 0.3 °C	+/- 0.3 °C
Temperature Uniformity at 120 °C	+/- 1.0 °C	+/- 1.0 °C	+/- 2.0 °C	+/- 2.0 °C
Heat-up Time to 120 °C	15 min.	15 min.	15 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 Timer	99 min 59 sec / 99 hr 59 mi n / 99 day 23 hr			
Auto-Stop Timer	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			
<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 Audio Visual Alarm			
<b>Electrical Data</b>				
Power Requirement	220 +/- 10% VAC   50/60 Hz   1 Phase			
Power Consumption	800 W 3.8 amp	1.0 kW 4.7 amp	800 W 3.8 amp	1.2 kW 5.5 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363			
<b>Usable Condition</b>				
Temp. & Humidity	5 °C - 40 °C, 80% RH Max.			

# JSR

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**JSOF-030S / 050S**  
**JSON-030S / 050S**  
**DRY HEAT**  
**STERILIZER**  
amb. +10 °C ~ 250 °C

**# Ordering Information**

**Art. Number**

**Descriptions**

JSOF-030S	Forced Convection Dry Heat Sterilizer	33 Liter	220 VAC	1 ph	50/60Hz
JSOF-050S	Forced Convection Dry Heat Sterilizer	48 Liter	220 VAC	1 ph	50/60Hz
JSON-030S	Gravity Convection Dry Heat Sterilizer	33 Liter	220 VAC	1 ph	50/60Hz
JSON-050S	Gravity Convection Dry Heat Sterilizer	48 Liter	220 VAC	1 ph	50/60Hz

**Accessories**

**Shelves**

PHS-A02	Perforated Shelf, Stainless Steel 304	for JSOF-030S	JSON-030S	W320 x D250 mm
PHS-A03	Perforated Shelf, Stainless Steel 304	for JSOF-050S	JSON-050S	W370 x D280 mm
PHS-B02	Wire Shelf, Stainless Steel 304	for JSOF-030S	JSON-030S	W320 x D250 mm
PHS-B03	Wire Shelf, Stainless Steel 304	for JSOF-050S	JSON-050S	W370 x D280 mm
PHS-A99	Shelf Support, Set of 4 ea			

DISTRIBUTOR

**JSR**

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