

Model JSON-030S : Dry Heat Sterilizer



JSON-Series 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 gravity convection system during specified sterilizing exposure time range from 30 to 60 minutes.

MAIN FEATURES

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 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 prevent leakage

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

CONVENIENCE

- Stainless Steel 304 Chamber with seamless round cornered edge allows easy cleaning and prevents leakage
- Removable and height 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

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 cut-off heater and blower when door opened
- SENSOR DISCONNECTION ALARM
- OVER CURRENT CUT-OFF : Electrical Leakage Breaker

SPECIFICATIONS

| DESCRIPTIONS | MODEL JSON-030S |
|----------------------------|-----------------------|
| Dimension Data | |
| Chamber Volume | 33 Liters |
| Inner Dims. (W x D x H mm) | 350 x 270 x 350 |
| Outer Dims. (W x D x H mm) | 510 x 490 x 660 |
| No. of Shelf included | 2 ea |
| No. of Shelf Position | 10 ea by 25mm spacing |
| No. of Ventilation Damper | 1 ea |

| Performance Data | |
|-------------------------|------------------------|
| Heating System | Gravity Air Convection |
| Temp. Range | Amb. +10 °C ~ +250 °C |
| Accuracy at 180 °C | ±0.3 °C |
| Uniformity at 180 °C | ±2.0 °C |
| Heat up time to 180 °C | 15 min. |

| Controller | |
|--------------------|---|
| Processor | Digital Microprocessor PID Temperature Controller |
| Display | 4 Digit LED Display |
| Temp. Calibration | Built-in Temperature Calibration Auto-tuning |
| Temp. Resolution | 0.1 °C |
| Timer Scale | 99 min 59 sec / 99 hr 59 min / 99 dy 23 hr |
| Turn-On Delay Time | Automatic START/STOP timer / Continuous Operation |
| Sensor | CLASS A PT-100 Ω Sensor |

| Safety Data | |
|--------------------|---|
| Safety Device | DUAL OVER TEMP. CUT-OFF Digital system cut-off heater and AUDIO VISUAL ALARM Analog system cut-off heater 10% above set temp. MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM CUT-OFF heater and blower when door opened SENSOR DISCONNECTION ALARM Over Current CUT-OFF |

Material Data

| | |
|------------|---------------------------------------|
| Body | Epoxy Powder Coated Steel |
| Chamber | Stainless Steel 304, 0.8 mm thickness |
| Insulation | 50 mm Woven Mineral Wool |

Electrical Data

| | |
|--------------------|---------------------------|
| Rated voltage | 220 ± 10% VAC |
| Power frequency | 50 / 60Hz |
| Heater Output | 800 W |
| Nominal power | 800 W 3.8 amp |
| Phase | 1 Phase |
| Plug configuration | CEE 7/7 Schuko or BS 1363 |

Usable Condition

| | |
|------------------|----------------------|
| Temp. & Humidity | 5°C - 40°C, < 80% RH |
|------------------|----------------------|

Packaging Data

| | |
|--------------------------------|----------------------------|
| Type of packaging | Carton on a wooden palette |
| Shipping Dims. (W x D x H mm) | 560 x 600 x 800 mm |
| Net Weight | 30.0 kg |
| Shipping Weight | 36.0 kg |

ORDERING INFORMATION

| Art. No. | Descriptions | Voltage |
|-----------|---|-----------------------|
| JSON-030S | <p>Dry Heat Sterilizer, 33 L</p> <p>including standard accessories</p> <p>2 ea x Wire Shelf, Stainless Steel 304</p> <p>8 ea x Shelf Support</p> <p>1 ea x Instruction Manual</p> <p>1 ea x Warranty Certificate</p> | 220 VAC 1~ ph 50/60Hz |

OPTIONAL ACCESSORIES

| Art. No. | Descriptions |
|----------|---|
| PHS-A02 | Perforated Shelf, Stainless Steel 304, W320 x D250 mm |
| PHS-B02 | Wire Shelf, Stainless Steel 304, W320 x D250 mm |
| PHS-A99 | Shelf Support, Set of 4 ea |

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