

JSAT-Series AUTOCLAVE STEAM STERILIZER

121 °C
0.12 Mpa

JSAT-Series Autoclave, Steam Sterilizer is an innovative replacement of conventional laboratory autoclave by providing reliable performance, up-to-dated design and safety door inter-lock system integrated with temperature and pressure for perfect user safety.



JSAT-65 Autoclave

Features

Performance

Temperature Range : Max. 123 °C
Temperature Accuracy : within +/- 0.5 °C
Temperature Uniformity : within +/- 2.0 °C

- Maximum sterilization temperature and pressure up to 123 °C and 0.13 Mpa
- Automatic sterilization cycle starts just by setting sterilization temperature and time
- Validation compliance performance with accuracy within +/- 0.5 °C and uniformity within +/- 2.0 °C

Temperature Control

- JSC-2D Digital PID Controller with +/- 0.1 °C resolution
- Automatic START/STOP timer
- Dual LED displays temperature and remaining time
- Temperature calibration function and Auto-tuning function
- Class A Pt-100 Ohm Sensor

Construction

- Vertical loading type chamber with 2 ea service baskets
- Light-weight lifting door
- SAFETY DOOR INTER-LOCKING SYSTEM lock the door during operation which integrated with temperature, pressure in the chamber and in case electric cut-off
- Stainless steel 304 (AISI 304) chamber, lid and top plate to protect from corrosion by water and steam
- Special plated heating element provides resistant to dry-burn, corrosion and guarantee long life in repeated use
- Two Stainless Steel Wire Basket included

JSAT-Series

AUTOCLAVE

STEAM

STERILIZER

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Convenience

- Two steam collection bottles removes most of steam generated during operation for comfortable laboratory environment
- Equipped with drain valve for cleaning and changing with fresh water
- High pressure and temperature resistant silicone gasket
- Built-in analog pressure gauge
- Manual pressure release valve
- Caster for easy transport

Safety

- DUAL OVER TEMPERATURE CUT-OFF BY CONTROLLER AND INDEPENDENT THERMOSTAT
- HIGH TEMPERATURE CUT-OFF AND ALARM
- LOW TEMPERATURE CUT-OFF AND ALARM
- PT SENSOR SHORT OR DISCONNECTION ALARM
- OVER CURRENT CUT-OFF : Fuse

Specifications

Model	JSAT-45	JSAT-65	JSAT-85	JSAT-105
Dimension Data				
Chamber Volume	45 Liters	65 Liters	85 Liters	105 Liters
Inner Dims. (Dia.xH) mm	350 x 490	350 x 680	450 x 535	450 x 655
Outer Dims. (WxDxH) mm	555 x 670 x 955	555 x 670 x 1105	655 x 780 x 1010	555 x 780 x 1110
Usable Dims. (Dia.xH) mm	350 x 410	350 x 620	450 x 480	450 x 610
Basket Dims. (Dia.xH) mm	330 x 190	330 x 280	430 x 220	430 x 270
No. of Basket Included	2 ea	2 ea	2 ea	2 ea
Performance Data				
Temperature Range	Max. +123 °C			
Temperature Accuracy at 121 °C	+/- 0.5 °C			
Temperature Uniformity at 121 °C	+/- 2.0 °C			
Operating Pressure	up to 0.12 Mpa			
Controller				
Type	Digital Microprocessor PID Temp. Controller Auto STRAT / STOP Timer			
Sensor	Class A Pt-100 Ohm Sensor			
Turn-Off Timer	Max. 99 hr 59 min by 1 min resolution			
Turn-On Timer	Max. 99 hr 59 min by 1 min resolution			
Calibration	1 Point Temperature Offset			
Display	PV and SV or Timer Dual Display			
Printer	Thermal Printer [OPTIONAL]			
Material Data				
Body	Epoxy Powder Coated Steel			
Chamber	Stainlss Steel 304 (AISI304) Polished			
Safety Data				
Safety Device	Over Temperature / Over Pressure / Over Current Protection Audio Visual Alarm			
Electrical Data				
Power Requirement	220 +/- 10% VAC 50/60 Hz 1 Phase			
Power Consumption	2.0 kW 9.1 amp	2.5 kW 11.4 amp	3.0 kW 13.6 amp	4.0 kW 18.2 amp
Plug Configuration	CEE 7/7 Schuko or BS 1363			30 Amp. 3-PIN Plug
Usable Condition				
Temp., Humidity & Altitude	5 °C - 40 °C, 80% RH Max., < 800 meter above sea level			

JSR

JS Research Inc.

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 www.jsr.kr

Ordering Information

Art. Number

Descriptions

JSAT-45	Autoclave	45 Liter	220 VAC 1 ph 50/60Hz
JSAT-65	Autoclave	65 Liter	220 VAC 1 ph 50/60Hz
JSAT-85	Autoclave	85 Liter	220 VAC 1 ph 50/60Hz
JSAT-105	Autoclave	105 Liter	220 VAC 1 ph 50/60Hz

Accessories

OER-020	Thermal Printer [Facotry Built-in]
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DISTRIBUTOR

JSR

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