

Lab Autoclaves | Simple Operations

ST201/301/501/511

Made in
Japan

Operating temp.range	105~123°C(ST201)	105~128°C (ST301/501/511)	Max. working pressure	0.18MPa	0.2MPa	Internal capacity	20L (ST201)	32L (ST301)	47L (ST501/511)
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Fully automatic high-pressure steam sterilization from start to finish.

Features

- Automatic operation from air purging through sterilization via an interactive key-input system.
- Drying temperature can be set according to the sample material, quantity, etc.
- Timer range: 1~999 hours.
- The drain bottle water level can be quickly checked on the front-panel level indicator.
- The drain valve is located at the front for easy access.
- A smooth chamber interior (no protrusions) allows quick and easy insertion and removal of baskets and other items.
- Self-diagnostic functions enhance operational safety and enable faster recovery from errors.
- The condensation collector safely neutralizes high-temperature exhaust steam.



Specifications

Model	ST201	ST301	ST501	ST511
System	Automatic high pressure steam sterilization ¹			
Operating temperature ² (Sterilization)	105 to 123°C	105 to 128°C		
Maximum pressure capacity ²	0.18MPa	0.2MPa		
Interior material	Stainless steel			
Heater	1.3kW	1.7kW		2.0kW
Temp. controller	PID control by microprocessor			
Temp. display	Digital display by green LED and setting by ▲/▼ keys			
Timer / Timer resolution	1 min. ~99 hrs. and 59 min. 100~999 hrs. /1min. or 1 hr.			
Safety device	Self-diagnostic functions (Detection sensor error, SSR short circuit, heater disconnect, faulty main relay, dry operation), safety valve, electric leakage breaker			
Internal dimensions (Dia×Depth)	240×445mm	300×445mm	300×665mm	
External dimensions ³	W410×D470×H957mm	W440×D530×H968mm	W440×D530×H1,088mm	
Internal capacity	20L	32L	47L	
Power supply (50/60Hz single phase) ⁴	AC110/115/120/220/230/240V		AC110/115/120V	AC220/230/240V
Weight	Approx. 60kg	Approx. 75kg	Approx. 80kg	
Accessories	2 pcs. stainless steel mesh basket (Dia.209×D204mm), OSM-60	2 pcs. stainless steel mesh basket (Dia.266×D204mm), OSM-70	2 pcs. stainless steel mesh basket (Dia.266×D315mm), OSM-80	
	Drain board×1, drain bottle×1, condensation collection container with magnetic bracket×1			

The length of the power cord is 2 meters (ST201) and 3 meters (ST301/501/511).

*1 This is not a medical device.

*2 Conditions : Temperature and humidity 23°C±5°C, 65%RH±20% (no load)

*3 Do not include protrusions

*4 Voltage modifications other than the listed specifications are also available. Please contact us for details.

1 Sterilizers

2 Granulation and Spray Dryers

3 Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

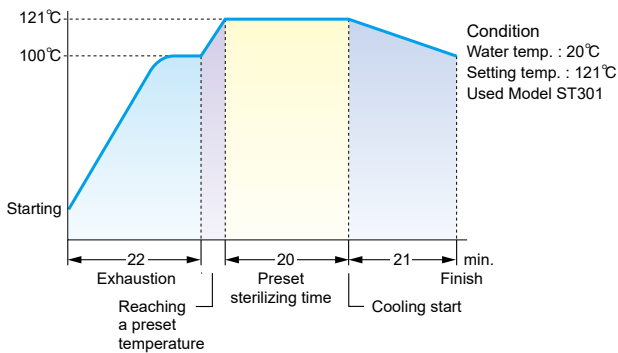
10 Rotary Evaporators

11 Stirrers & Shakers

12 Options

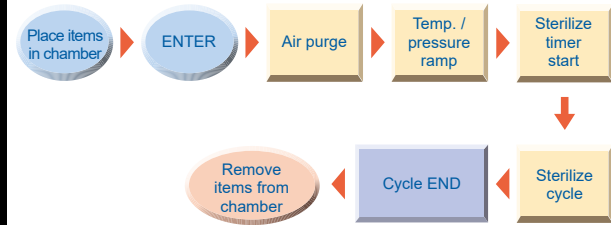
Setting by ▲/▼ keys Self-diagnosis Overcurrent ELB

Outline of sterilization process



Note
Sterilizing time varies, depending on ambient temperature as well as the quality and quantity of the samples subject to sterilization.

Sterilization process



Front door



- Drain bottle placed in front for easy level monitoring and access
- Drain valve also located in front for quick access and operation

Included items



Mesh baskets



Condensation collector

Optional items

No.	Model	Description	Dimension	Corresponding models	Product code
①	OSM-60	Mesh basket Pitch 8.5mm	209x204mm	ST201	241087
②	OSM-70		266x204mm	ST301	241088
③	OSM-80		266x315mm	ST501 / 511	241089
④	OSQ-20	Mesh basket Pitch 8.5mm	250x201mm*	ST301 / 501 / 511	241086
⑤	OSQ-50	Mesh basket with stacking fittings	246x162mm with 3 fittings	ST501 / 511	241091
⑥	OSQ-60	Mesh basket with adjustable stainless steel perforated plate	200x390 with 1 plate	ST201	241096
⑦	OSQ-70		260x390 with 1 plate	ST301	241095
⑧	OSQ-80		270x590 with 2 plates	ST501 / 511	241094
⑨	OSR-10	Stainless solid basket	205x150	ST201	241083
⑩	OSR-20		265x180	ST301 / 501 / 511	241084
⑪	OSM-50	Interior temp. gauging sensor			241076



⑥⑦⑧ Baskets with adjustable stainless steel perforated plate
①~④ Mesh baskets
⑨⑩ Stainless solid baskets
⑤ Baskets with stacking fittings

*2 units can be set for ST301 and 3 units can be set for ST501/511

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- Options **12**