

Autoclave (Laboratory Use)

ST201/301/501/511

Operating temp. range 105~123°C ST201 105~128°C ST301/501/511

Internal capacity 20L ST201 32L ST301 47L ST501/511

Fully automatic sterilization from start to finish with high pressure steam sterilization

- Automatic operations from air purge to sterilization with an interactive key input system
- Quick sample drying capability makes samples ready to use right after sterilization
- Drying temperature can be set according to sample material, quantity, etc.
- Timer range from 1~999 hours
- Drain bottle water level can be quickly confirmed on the front panel level indicator
- Drain valve located in front for easy access
- Absence of protrusions in sterilization chamber makes insertion & removal of baskets, and other items quick and easy
- Self-diagnostic functions make operation safer and error recovery quicker
- Condensation collector neutralizes high temperature exhaust steam safely



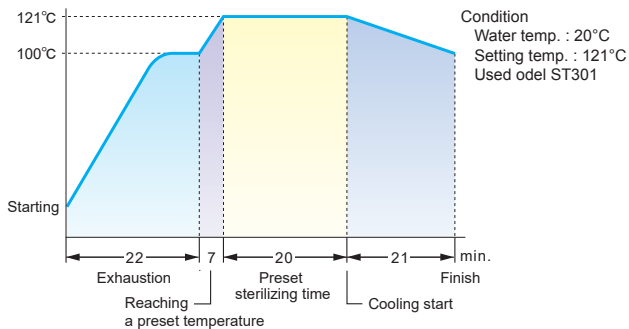
Specifications

Product code	241105	241106	241107	241108
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. / 1 min. 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 source (50/60Hz single phase)	AC115V / 220V		AC115V, 16A	AC220V, 10A
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 meter (ST201) and 3 meter (ST301/501/511).

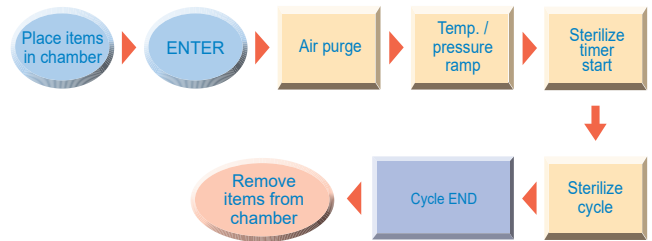
*1 This is not a medical device. *2 Conditions : Temperature and humidity 23°C±5°C, 65%RH±20% (no load) *3 Do not include protrusions

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		209x204mm	ST201	241087
②	OSM-70	Mesh basket	266x204mm	ST301	241088
③	OSM-80	Pitch 8.5mm	266x315mm	ST501 / 511	241089
④	OSQ-10	Mesh basket	190x159mm	ST201	241085
⑤	OSQ-20	Pitch 2.5mm	250x201mm*	ST301 / 501 / 511	241086
⑥	OSQ-30		168x162mm with 2 fittings	ST201	241093
⑦	OSQ-40	Mesh basket with stacking fittings	246x162mm with 2 fittings	ST301	241092
⑧	OSQ-50		246x162mm with 3 fittings	ST501 / 511	241091
⑨	OSQ-60		200x390 with 1 plate	ST201	241096
⑩	OSQ-70	Mesh basket with adjustable stainless steel perforated plate	260x390 with 1 plate	ST301	241095
⑪	OSQ-80		200x590 with 2 plates	ST501 / 511	241094
⑫	OSR-10	Stainless solid basket	210x200	ST201	241083
⑬	OSR-20		270x200	ST301 / 501 / 511	241084
⑭	OSM-50	Interior temp. gauging sensor			241076

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

