



# Autoclaves

**Yamato**

Economy Type

**Model SP / 200 / 300 / 500 / 510(F)**

Model	
200(F)	300/500(F)

Operating Temperature Range (Sterilization)	
105°C~123°C	105°C~128°C

Max. Operational Pressure	
0.18MPa	0.2MPa

Internal Capacity		
20ℓ	32ℓ	47ℓ

## Control panel



The models SP-F are equipped with a cooling function. The models SP are economy type.

The models SP-F make it possible to reduce the operating time to the end of sterilization up to 1/3, compared to conventional models, due to the forced cooling function. The models SP are economy-type, which permit safe and certain sterilization with an interactive key input system.

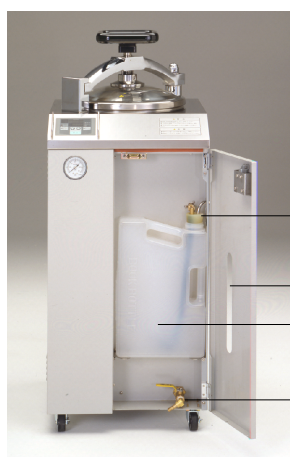
- With an interactive key input system, the conditions are memorized. With a single key press, everything is done automatically from air exhausting to sterilization and dry.
- Setting for hours and continuous operation are available.
- Possible to sterilize media also.
- Safety measures are enriched, including self-diagnosis function.



SP200F

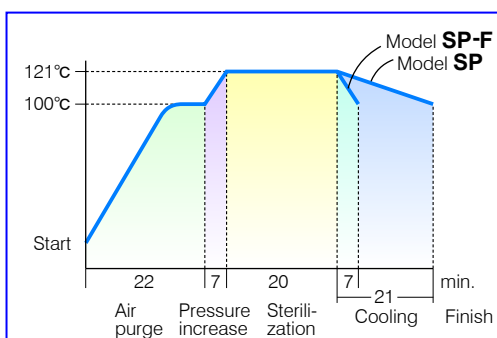
SP300F

SP500F



- Plug to securely restrain any steam being exposed from bottle
- Bottle water window viewer
- Micro switch for safety. If bottle is not set properly, unit will not operate
- Drain valve for easy drainage of chamber water after operation

## Outline of Sterilization Process



Condition  
Water temp. :20°C, Setting temp./Time :121°C/20min.  
Used model SP300 and SP300F



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## Specifications

Model	SP200/200F	SP300/300F	SP500/500F	SP510/510F
■ Performance				
System	Automatic high pressure steam sterilizer			
Temp. setting range; sterilization	105~123℃	105~128℃		
Drying	150~180℃	150~180℃		
Maximum operational pressure	0.18MPa	0.2MPa		
■ Components				
Interior Material	Stainless steel SUS 304	Stainless steel SUS 304	Stainless steel SUS 304	Stainless steel SUS 304
Heater	1.3kW	1.7kW	1.7kW	2.0kW
■ Controller				
Temp. controller	PID control by micro processor			
Temp. setting method	Digital setting with up-down key			
Temp display method	Digital display by green LED			
Timer	1 min.~99 Hrs. 59 min. and 100 Hrs.~999 Hrs.			
Min. division	1 min. or 1 Hrs.			
■ Safe Device				
Safety countermeasures	Self diagnosis functions (Sensor, Heater, Triac, Main relay, Low water, Back-up battery exhaustion), Over pressure safety valve, Electric leakage breaker			
■ Standard				
Effective internal dimensions(mm)	240(Dia.)×445(Depth)	300(Dia.)×445(Depth)	300(Dia.)×665(Depth)	300(Dia.)×665(Depth)
External dimensions(W×D×Hmm)	410×470×953	440×530×965	440×530×1,085	440×530×1,085
Effective (gross) capacity	20 (22) liters	32 (36) liters	47 (51) liters	47 (51) liters
Power source 50/60Hz	100/230V, single phase, 15/7A	100/230V, single phase, 20/9A	100/230V, single phase, 20/9A	200/230V, single phase, 12/11A
Weight	Approx. 60 kg	Approx. 75 kg	Approx. 80 kg	Approx. 80 kg
■ Accessories				
	2 Racks (mesh pitch 8.5 mm), 1 Bottom plate, 1 Steam saucer and 1 Drain bottle.			
■ Optional Accessories				
	Rack (mesh pitch 8.5 mm) / Rack (mesh pitch 2.5 mm) / Rack with stacking metal / Rack with net shelves (position adjustable) / Cast / Chamber temperature sensor			

## Optional Accessories

