



Autoclaves

 Yamato

Sterilize → Dry Automatic Operation

Model **SM200 / 300 / 500 / 510**

Model		
200	300/500	
Operating Temperature Range (Sterilization)		
105℃~123℃	105℃~128℃	
Max. Operational Pressure		
0.18MPa	0.2MPa	
Internal Capacity		
20ℓ	32ℓ	47ℓ

Automatic operations from sterilization to drying are carried out with an interactive key input system.

These models are automatic high-pressure steam sterilizers with an interactive key input system, which makes it possible to sterilize and dry instruments or clothes used in research or examination of medicine, medical treatment, food, etc., with the utmost safety.

- 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 and a prevention device for misplacement of drain-bottles.

Control panel



SM200

SM300

SM500





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Specifications

Model	SM200	SM300	SM500	SM510
■ 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. 80 kg	Approx. 85 kg	Approx. 85 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 / Temp. output terminal / Digital printer / Chamber temperature sensor / Time-up output terminal etc.			

Optional Accessories

