

Autoclaves

SM200/300/500/510

Model		
200	300/500	
Operating Temperature Range (Sterilization)		
105deg.C to 123 deg.C	105deg.C to 128deg.C	
Max. Operational Pressure		
0.18 MPa	0.2 MPa	
Internal Capacity		
20 L	32 L	47 L

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



Accessories



Steam saucer



Specifications

		SM200	SM300	SM500	SM510
■ Performance					
System		Automatic high pressure steam sterilizer			
Temp. setting range	Sterilization	105 to 123deg.C	105 to 128deg.C		
	Drying	150 to 180deg.C	150 to 180deg.C		
Maximum operational pressure		0.18MPa	0.2MPa		
■ Components					
Interior Material		Stainless steel			
Heater	Sterilization	1.3kW	1.7kW	2.0kW	
	Drying	1.0kW	1.5kW	1.5kW	
■ Controller					
Temp. controller		PID control by micro processor			
Temp. setting method		Digital setting by ▲▼ key			
Temp display method		Digital display by green LED			
Timer		1 min. to 99 Hrs. 59 min. and 100 Hrs. to 999 Hrs.			
Min. division		1 min. or 1 Hrs.			
■ Safe Device					
Safety countermeasures		Self diagnosis functions (Sensor, Heater, SSR, Main relay, Low water), 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)	410×470×957	440×530×968	440×530×1,088	440×530×1,088	
Effective (gross) capacity	20 (22) liters	32 (36) liters	47 (51) liters	47 (51) liters	
Power source 50/60Hz	100/220V, single phase, 15A/6.8A	100/220V, single phase, 20A/9.1A	100V, single phase, 20A	200/220V, single phase, 12A/10.9A	
Weight	Approx. 65 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.			

- The performance shown here is the value under the condition of the ambient temperature of 23deg.C±5deg.C, humidity of 65%RH±20%.
- The projection is not included for Internal dimensions and External dimensions.

■ Optional items

Remark	Description	Model No.	Product Code
	OSM-60Basket (mesh type, 8.5mm) for 200, 205x204	SM200	241087
	OSM-70Basket (mesh type, 8.5mm) for 300, 262x204	SM300	241088
	OSM-80Basket (mesh type, 8.5mm) for 500/510, 262x315	SM500/510	241089
	OSQ-10Basket (mesh type, 2.5mm) for 200, 189x161	SM200	241085
	OSQ-20Basket (mesh type, 2.5mm) for 300/500/510, 249x203* (* Settable 2 pcs for SM300 and 3 pcs. For SM500)	SM300/500/510	241086
	OSQ-30Basket (mesh type) with stacking fitting for 200, 168x162 (2 pcs./set)	SM200	241093
	OSQ-40Basket (mesh type) with stacking fitting for 300, 246x162 (2 pcs./set)	SM300	241092
	OSQ-50Basket (mesh type) with stacking fitting for 500/510, 246x162 (3 pcs/set)	SM500/510	241091
	OSQ-60Basket (mesh type) with a mesh shelf for 200, 200x390 (with mesh shelf, 1 pc.)	SM200	241096
	OSQ-70Basket (mesh type) with a mesh shelf for 300, 260x390 (with mesh shelf, 1 pc.)	SM300	241095
	OSQ-80Basket (mesh type) with a mesh shelf for 500/510, 200x590 (with mesh shelf, 2pcs.)	SM500/510	241094
	OSR-10 Stainless solid basket for 200, 210x200	SM200	241083
	OSR-20 Stainless solid basket for 300/500/510, 270x200	SM300/500/510	241084
●	OSM-10 Digital printer	SM Series	241072
●	OSM-40 Temperature Output Terminal	SM Series	241073
●	OSM-30 Time-up Output Terminal	SM Series	241074
●	OSM-20 External Alarm Output Terminal	SM Series	241075
	OSM-50 Temp. sensor in vessel	SM Series	241076

Note: The item marked " ● " in the column of "Remark" shall be ordered together with the main unit.



Dimensions (Unit:mm)

