



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

Model		
211	311	511
Operating Temperature Range (Sterilization)		
105deg.C to 123 deg.C		105deg.C to 128 deg.C
Max. Operational Pressure		
0.18 MPa		0.2 MPa
Internal capacity		
20L	32L	47L

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.

■ Specifications

Model	SM211	SM311	SM511
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	2.0kW
	Drying	1.0kW	1.5kW
Controller			
Temp. controller	PID control by micro processor		
Temp. setting method	Digital setting by UP/DOWN 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)
External dimensions(W×D×Hmm)	410×470×957	440×530×968	440×530×1,088
Effective (gross) capacity	20 (22) liters	32 (36) liters	47 (51) liters
Power source 50/60Hz	220V, single phase, 6.8A	220V, single phase, 9.5A	220V, single phase, 9.5A
Weight	Approx. 65 kg	Approx. 80 kg	Approx. 85 kg
Accessories			
	Basket (mesh type, 8.5mm) SM211: I.D. 209xH204mm (OSM-60) SM311: I.D. 266xH204mm (OSM-70) SM511: I.D. 266xH315mm (OSM-80)		
	Bottom plate x1pc., Steam saucer x1pc., Drain bottle. x1pc.		

* 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.

■ Control Panel



- 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

■ Accessories

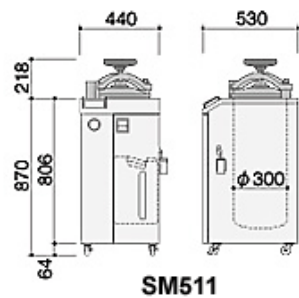
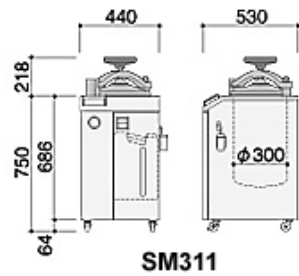
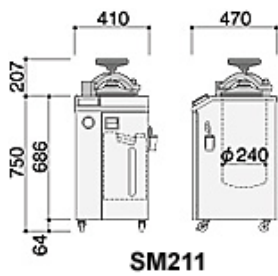


Steam saucer



Rack

■ Dimensions (Unit:mm)



■ Optional Items

Remark	Description	Model No.	Product Code
	OSM-60Basket (mesh type, 8.5mm) for 200, 205x204	SM211	241087
	OSM-70Basket (mesh type, 8.5mm) for 300, 262x204	SM311	241088
	OSM-80Basket (mesh type, 8.5mm) for 500/510, 262x315	SM511	241089
	OSQ-10Basket (mesh type, 2.5mm) for 200, 189x161	SM211	241085
	OSQ-20Basket (mesh type, 2.5mm) for 300/500/510, 249x203* (* Settable 2 pcs for SM300 and 3 pcs. For SM500)	SM311/511	241086
	OSQ-30Basket (mesh type) with stacking fitting for 200, 168x162 (2 pcs./set)	SM211	241093
	OSQ-40Basket (mesh type) with stacking fitting for 300, 246x162 (2 pcs./set)	SM311	241092
	OSQ-50Basket (mesh type) with stacking fitting for 500/510, 246x162 (3 pcs/set)	SM511	241091
	OSQ-60Basket (mesh type) with a mesh shelf for 200, 200x390 (with mesh shelf, 1 pc.)	SM211	241096
	OSQ-70Basket (mesh type) with a mesh shelf for 300, 260x390 (with mesh shelf, 1 pc.)	SM311	241095
	OSQ-80Basket (mesh type) with a mesh shelf for 500/510, 200x590 (with mesh shelf, 2pcs.)	SM511	241094
	OSR-10 Stainless solid basket for 200, 210x200	SM211	241083
	OSR-20 Stainless solid basket for 300/500/510, 270x200	SM311/511	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.

