

# Standard Laboratory Use Sterilizer With Dryer

## SM201/211/301/311/501/511

Operating temp. range

105~123°C (SM201/211)  
105~128°C (SM301/311/501/511)

Max. operation pressure

0.18MPa (SM201/211)  
0.2MPa (SM301/311/501/511)

Internal capacity

20L (SM201/211) 32L (SM301/311) 47L (SM501/511)

**High performance, fully automatic sterilization from start to finish with high pressure steam sterilization and drying steps**



- Automatic operations from sterilization to drying carried out 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

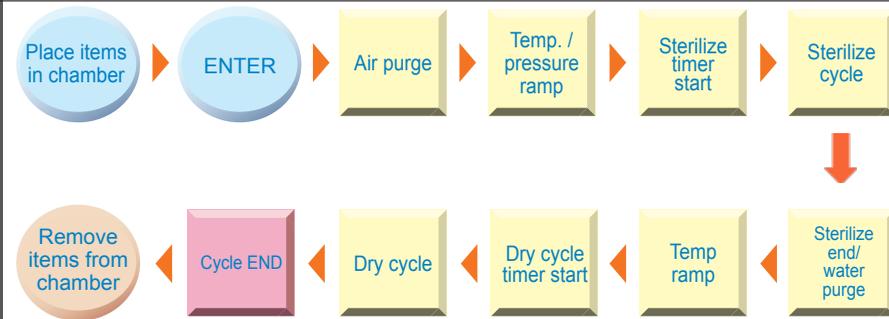
### Specifications

Model	SM201	SM211	SM301	SM311	SM501	SM511
System	Automatic high pressure steam sterilization					
Operating temperature	Sterilization	105 to 123°C		105 to 128°C		
	Drying	150 to 180°C				
Maximum pressure capacity	0.18MPa			0.2MPa		
Interior	Stainless steel					
Heater	Sterilization	1.3kW		1.7kW		2.0kW
	Drying	1.0kW		1.5kW		
Temp. controller	PID control by microprocessor					
Temp. display	Digital display by green LED and setting via ▲/▼ 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, drain bottle set-fail switch					
Internal dimensions (Dia x Depth)	240 x 445 mm			300 x 445 mm		300 x 665 mm
External dimensions (WxDxH)	410 x 470 x 957 mm			440 x 530 x 968 mm		440 x 530 x 1088 mm
Internal capacity	20L			32L		47L
Power source (50/60Hz single phase)	AC115V, 13A with plug	AC220V, 7A no plug, round terminal	AC115V, 15A no plug, round terminal	AC220V, 9.5A no plug, round terminal	AC115V, 15A no plug, round terminal	AC220V, 9.5A no plug, round terminal
Weight	~65kg		~80kg		~85kg	
Accessories	2 pcs. stainless steel mesh basket (Dia.205 x D204mm), OSM-60		2 pcs. stainless steel mesh basket (Dia.262 x D204mm), OSM-70		2 pcs. stainless steel mesh basket (Dia.262 x D315mm), OSM-80	
	Drain board x 1, chemical indicator strips (30 strips) x 1, drain bottle x 1, condensation collection container with magnetic bracket x 1					

Power cable is 3 meters.

Performance based on 23±5°C room temp, 65%RH±20% damper fully closed and no load. Overall dimensions do not include protrusions.

## Sterilization & Drying Process



## Control Panel



## 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



## Output terminal



Product code	Model	Description	Dimension	Corresponding models
241087	OSM-60	Mesh basket Pitch 8.5mm	205x204mm	SM201 / 211
241088	OSM-70		262x204mm	SM301 / 311
241089	OSM-80		262x315mm	SM501 / 511
241085	OSQ-10	Mesh basket Pitch 2.5mm	189x161mm	SM201 / 211
241086	OSQ-20		249x203mm*	SM301 / 311 / 501 / 511
241093	OSQ-30	Mesh basket with stacking fittings	168x162mm with 2 fittings	SM201 / 211
241092	OSQ-40		246x162mm with 2 fittings	SM301 / 311
241091	OSQ-50		246x162mm with 3 fittings	SM501 / 511
241096	OSQ-60	Mesh basket with adjustable stainless steel perforated plate	200x390 with 1 plate	SM201 / 211
241095	OSQ-70		260x391 with 1 plate	SM301 / 311
241094	OSQ-80		200x590 with 2 plates	SM501 / 511
241083	OSR-10	Stainless solid basket	210x200	SM201 / 211
241084	OSR-20		270x200	SM301 / 311 / 501 / 511
241073	OSM-40	Temperature output terminal	Customized. Must be specified at time of order	
241074	OSM-30	Time-up output terminal		
241075	OSM-20	External alarm output terminal		
241076	OSM-50	Interior temp. gauging sensor		

\*SM301/311 units accommodate 2 baskets. SM501/511 units accommodate up to 3 baskets.