

Standard Laboratory Sterilizer

SN300C/310C/500C/510C

Operating temp. range 45°C to 135°C

Max. operating pressure 0.255MPa

Internal capacity 32L (SN300C/310C) / 47L (SN500C/510C)

High-performance, easy operation and ergonomically designed sterilizer featuring easy top loading and handling of samples



32L
SN300C

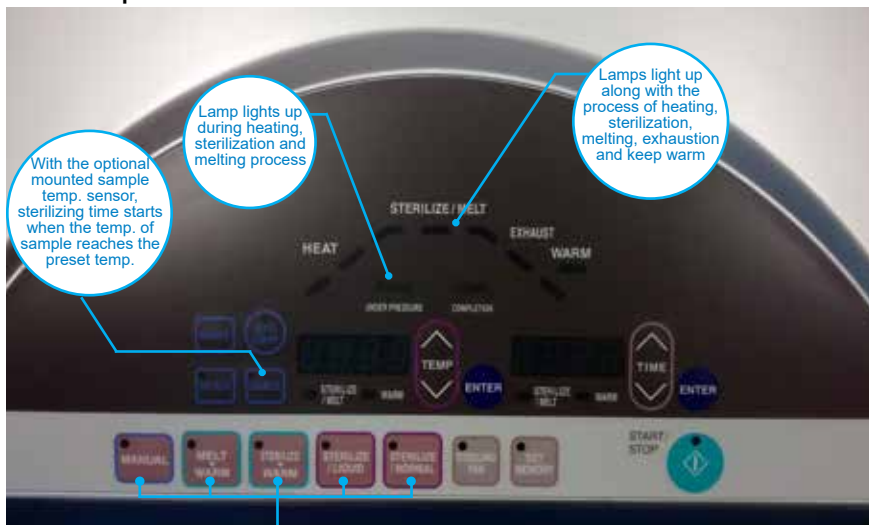
47L
SN500C

- Maximum sterilizing temperature goes up to 135°C suitable for protein modification
- By simple setting and operation, these sterilizers manage ordinary sterilization, sterilization of culture mediums and liquids, and melting of culture mediums
- Custom programs can be saved for repeated use
- Standard equipped with timer start and pre-heating features for efficient use of time and cooling fan to shorten cool down time
- Mobile on wheels
- **Enhanced safety device**
 - Lid interlock mechanism
 - Drain bottle unset alarm
 - Memory malfunction
 - Automatic shutdown when malfunction
 - Self-diagnostic functions

Specifications

Model	SN300C	SN300C	SN500C	SN510C
System	Automatic high-pressure steam sterilization			
Operating temperature range	45~135°C			
Max. working pressure	0.255MPa			
Ambient temperature	5~35°C			
Lid	Manual upward opening with an interlock for safety			
Heater	100V, 800W x 2 units		100V, 950W x 2 units	
Exhaust valve	One exhaust valve and one slow release valve			
Connection ports for optional accessories	Total 3 ports. Female thread for sample temp. sensor (1/4"), Female thread for chamber temp. sensor (1/4"), Female thread pressure sensor (branching from the solenoid valve tubing)			
Cooling fan	Axial fan motor			
Temp. controller	PID control by microprocessor			
Temp. display / setting	Digital display / digital setting by ▲/▼ keys			
Timer / Timer resolution	0 or 1 min. to 99 hrs 59 min. / 1 min.			
Operation mode	Instrument sterilization course, liquid sterilization course, sterilization and keep warm course, melting and keep warm course, customer-programmed course			
Other function	Key locking, presetting, saving, preheating, forced cooling, sample temperature sensor (option), pattern locking, up to 20 error log saving, display of accumulated working time / present time, ON-OFF beeping setting			
Safety device	Sensor failure detection, SSR short-circuit, broken heater wire, prevention of idle heating (liquid expansion type), alarm against the absence of a drain bottle, failure in locking the lid, memory error detection, pressure relief valve (0.255 MPa)			
External dimensions (WxDxHmm)	400 x 590 x 848		460 x 590 x 1068	
Internal dimensions of chamber	I.D.300 x D445 mm		I.D.300 x D665 mm	
Internal capacity	32L		47L	
Weight	~75kg		~85kg	
Power source	AC100~120V(15~12.5A) <i>no plug, round terminal</i>	AC200~240V(10~8.5A) <i>no plug, round terminal</i>	AC100~120V(23.5~19.5A) <i>no plug, round terminal</i>	AC200~240V(12~10A) <i>no plug, round terminal</i>
Accessories	2 pcs. stainless steel mesh basket (Dia.262 x D204mm), OSM-70 Vapor cup x 1, Drain bottle x 1, Drain board x 1, Chemical indicator 1 set (30 pieces), Filter x 1		3 pcs. stainless steel mesh basket (Dia.262 x D204mm), OSM-70	

Control panel



Choose a sterilization program

Sterilize/Normal Course	Sterilization of equipment such as flask, beaker, test tube, scissors
Sterilize/Liquid Course	Sterilization of culture and reagents and keep warm
Sterilize Warm Course	Dissolve and keep warm of the agar medium
Melt Warm Course	Sterilization of liquid, purified water and dilution water
Manual Course	Customized temperature and time settings

Standard Equipped with Cooling Fan & Slow Release Valve

- For decompression and prevention of liquid samples from bumping
- Cooling fan cool to a safe temperature after sterilization completes
- Shortens time before samples are taken out
- Natural cooling by OFF setting

Features

Support GLP / GMP Inspection



Standard equipped with 2 sensor ports on the main unit



Optional chart recorder

Sterilization starts automatically by sample temperature sensor



With the optional mounted sample temperature sensor, desired sample temperature can be precisely maintained to ensure thorough sterilization

Easy to drain out sterilizing water



Easier maintenance with larger diameter drain pipe

Front Loading Drain Bottle



The drain bottle is located in front for easy access and drain water level can be monitored without opening the cabinet door

Optional items

Baskets with adjustable stainless steel perforated plate

Mesh baskets

Stainless solid baskets

Baskets with stacking fittings

- Stainless baskets



- Stainless buckets

Product code	Model	Description	Corresponding models
241088	OSM-70	Mesh basket	SN300C/310C/500C/510C
241089	OSM-80		SN500C/510C
241092	OSQ-40	Mesh basket with stacking fittings	SN300C/310C, with two fittings
241091	OSQ-50		SN500C/510C, with three fittings
241095	OSQ-70	Mesh basket with adjustable stainless steel perforated plate	SN300C/310C, with 1 plate
241094	OSQ-80		SN500C/510C, with 2 plates
241084	OSR-20	Stainless solid basket	SN300C/310C/500C/510C
241151	OSN12	Stainless bucket	SN300C/310C/500C/510C
Please specify when ordering main unit.		External alarm output terminal	
		Temp. output terminal	4 - 20 mA
		Time-up output terminal	Relay, contact output