

## Lab Autoclaves | Standard

## SN210C/310C/510C, SQ510C/810C

Operating temp. range 45~135℃

Max. working pressure 0.255MPa

Internal capacity 20L 32L 47L 50L 80L

**High-performance, easy operation and ergonomically designed autoclave, standard equipped with cooling fan to shorten cool down time.**



## Features

- Maximum sterilizing temperature goes up to 135℃, suitable for protein modification.
- By simple setting and operation, these sterilizers manage ordinary sterilization, sterilization of culture mediums and liquids, and dissolution of culture mediums.
- Custom programs can be saved for repeated use.
- Standard equipped with cooling fan to shorten cool down time.
- The control panel and display are conveniently located on the front of the lid for easy viewing and operation.
- Equipped with multiple pressure lid opening protection locks and comprehensive safety measures.
- The SQ model features a low bed design, making it highly suitable for the retrieval of sterilized items. Compatible for overseas use with a wide power range of AC100-120V and AC200-240V.

## Specifications

Model		SN210C	SN310C	SN510C	SQ510C	SQ810C
System		Automatic high-pressure steam sterilization				
Performance	Operating temp. range	45~135℃ 45~80℃ (preheat temp. ) /45~60℃ (retain temp. ) /65~100℃ (dissolution)/105~135℃ (sterilizing)				
	Temp. unit	0.1℃				
	Max. working pressure	0.255MPa				
Lid structure		Manual upward opening and downward closing with an interlock for safety				
Chamber	Material	3mm thick corrosion-resistant stainless steel, featuring a mirror finish surface				
	Design operational life	20 years				
	Design pressure	0.42MPa				
	Design temp.	151℃				
	Heater	110V, 968W×2		110V, 1150W×2	110V, 1210W×2	110V, 1500W×2
	Exhaust valve	One quick exhaust valve and one slow release valve				
	Options	Sample sensor interface (1/4), data logger, sensor interface (1/4), pressure gauge interface (on solenoid valve piping)				
Controllers	Cooling fan blade	Axial fan motor				
	Temp. control, display/setting method	PID control by microprocessor, digital display/digital setting by ▲/▼ keys				
	Timer	Timer: 0 or 1 min~99 h 59 min, Timer resolution: 1 min				
	Operation functions	Instrument sterilization course, liquid sterilization course, sterilization and retain temp. course, dissolution and retain temp. course, manual mode				
	Other functions	Key locking, presetting, saving, preheating, forced cooling, sample temperature sensor (option), pattern locking, alarm log saving (20 pcs), 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 thermoestat), alarm against the absence of drain bottle, failure in locking the lid, memory error detection, pressure relief valve (0.255 MPa)				
Pressure vessel specification		Class I pressure vessel				
Specification	External dimensions (W×D×H mm)	460×590×848	460×590×848	460×590×1058	520×660×881	520×660×1161
	Effective dimensions of chamber (diameter×height mm)	300×305	300×445	300×665	370×470	370×750
	Internal effective capacity of chamber	20L	32L	47L	50L	80L
	Weight	Approx. 65kg	Approx. 75kg	Approx. 85kg	Approx. 95kg	Approx. 105kg
	Power supply (50/60Hz) rated current	AC220V 9A		AC220V 10.5A	AC220V 11A	AC220V 14A
Accessories		Basket OSM-60(diameter 274×height 125mm), 2 PCS	Basket OSM-70(diameter 274×height 200mm), 2 PCS	Basket OSM-70(diameter 274×height 200mm), 3 PCS	Basket OSQ-90(diameter 344×height 200mm), 2 PCS	Basket OSQ-90H(diameter 344×height 300mm), 2 PCS
		1 steam collection cup, 1 drain bottle, 1 heater baffle, 1 set of sterilization test cards (30 cards), 1 filter, 1m drainage pipe 1 hose clamp, Long-arm clamp (SQ810C model only), 1 drip tray, user manual, warranty certificate				
Options		Biosafety filtration system, sample temperature sensor, internal chamber temperature measurement sensor, data logger, temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, standard basket, extended height basket				

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