Large Capacity Laboratory Use Sterilizer

SQ500C/510C/810C

Operating temp. range	45°C to 135°C	Max. operating pressure	0.255MPa	Internal capacity	50L (SQ500C/510C) / 80L (SQ810C)

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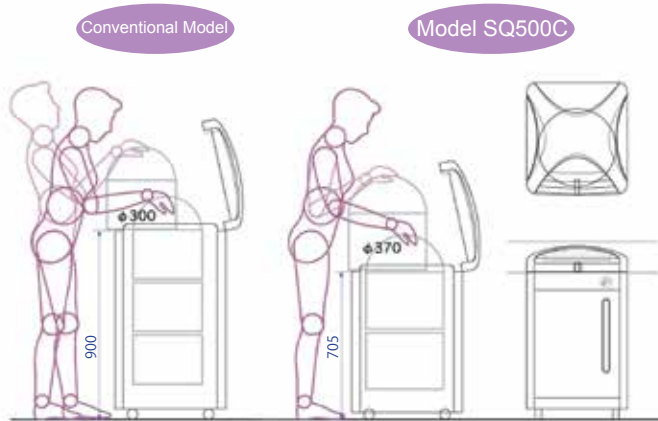

50L
SQ510C

80L
SQ810C

- 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
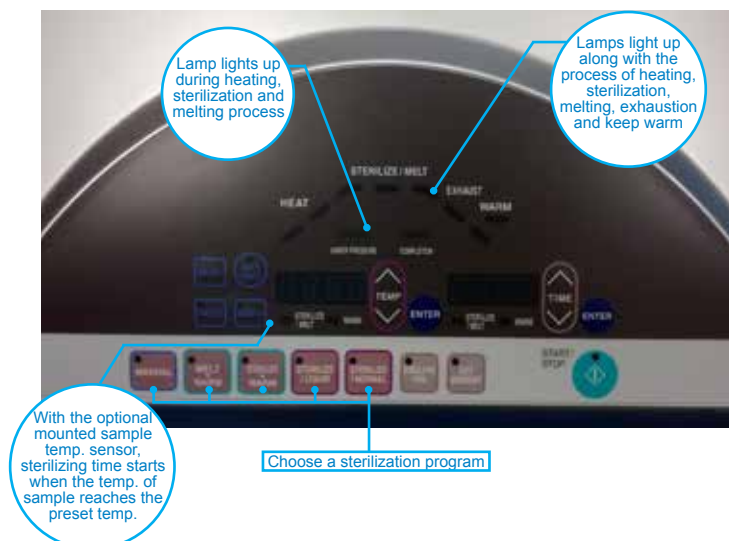- Self-diagnostic functions

■ Specifications

Model	SQ500C	SQ510C	SQ810C
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	1000W 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 minute		
Operation mode	Instrument sterilization course, liquid sterilization course, sterilization and keep warm course, melting and keep warm course, customer-programmed course		
Other functions	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)	520 x 660 x 881		520 x 660 x 1161
Internal dimensions of chamber	I.D.370 x D470 mm		I.D.370 x D750 mm
Internal capacity	50L		80L
Weight	~95kg		~105kg
Power source	AC100~120V (24.5~20.5A) *no plug, round terminal*	AC200~240V (12.5~10.5A) *no plug, round terminal*	AC200~240V (12.5~10.5A) *no plug, round terminal*
Accessories	2 pcs. stainless steel mesh basket (Dia.332 x D195.5mm), OSQ-90		3 pcs. stainless steel mesh basket (Dia.332 x D195.5mm), OSQ-90
	Vapor cup x 1, Drain bottle x 1, Drain board x 1, Chemical indicator 1 set (30 pieces), Filter x 1		

Low Height Sterilizers

SQ500C(low height type)

Conventional Model | Model SQ500C

Control panel

Lamp lights up during heating, sterilization and melting process

Lamps light up along with the process of heating, sterilization, melting, exhaustion and keep warm

With the optional mounted sample temp. sensor, sterilizing time starts when the temp. of sample reaches the preset temp.

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

Optional items

Baskets with stacking fittings

241090

● Stainless baskets

Mesh baskets

241099

● Stainless buckets

Product code	Model	Description
241099	OSQ-90	Mesh basket
241090	OSR-40	Mesh basket with 2 stacking fittings
241097	OSR-50	Mesh basket with 1 adjustable stainless steel perforated plate
241152	OSN14	Stainless bucket
Please specify when ordering main unit.		Chamber temperature sensor
		Sample temperature sensor
		Pressure gauge
		External alarm output terminal
		Temperature output terminal
		Time-up output terminal