

Lab Autoclaves | Automatic Sterilization, Large Capacity

SQL810C/1010C

Operating temp. range 45~135℃

Max. working pressure 0.255MPa

Internal capacity 85L 110L

The autoclave features a 110L capacity for easy operation with advanced functions.



Features

- With 85L and 110L of internal capacity, it can accommodate more items for sterilization in a single cycle.
- 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.

Specifications

Model		SQL810C	SQL1010C
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	220V, 2000W×2	
	Exhaust valve	One quick exhaust valve and one slow release valve	
	Options	Sample sensor interface (R1/4), data logger test interface (G1), pressure interface (G1/2)	
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, resolution: 1 min	
	Operation functions	Instrument sterilization course, liquid sterilization course, sterilization and retain temp. course, dissolution and retain temp. course, manual mode	
Specification	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	
	External dimensions (W×D×H mm)	680×760×997	680×760×1154
	Effective dimensions of chamber (diameter×height mm)	450×535	450×692
Accessories	Internal effective capacity of chamber	85L	110L
	Weight	Approx. 145kg	Approx. 170kg
	Power supply (50/60Hz) rated current	AC220V 19A	
	Basket	Basket Diameter 424× Height 200, 2 pcs	Basket Diameter 424× Height 300, 2 pcs
Options		1 steam collection cup, 1 cooling water bottle, 1 heater baffle, 1 set of sterilization test cards (30 cards), 1 filter, 1m drainage pipe, 1 hose clamp, long-arm clamp (SQL1010C model only)	
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	