

Dry Heat Sterilizers | Dry Heat Sterilization, Natural Convection

SI411C/611C

Max. operating temp. 260°C

Temp. distribution accuracy ±5°C (at 260°C)

Internal capacity 77L 159L

Gravity convection dry heat sterilizer with program function, easy to set.

Features

- Quick, safe and reliable sterilization function.
- Easy operation, available for fixed temp. operation, program operation, quick auto stop, auto stop and auto start operations.
- Use special function menu keys and ▲/▼ keys to realize digital setting. A programmable controller with repeat function and 3 modes.
- Use submenu keys to operate overheat protector, deviation correction and key locking.

Safety

- Equipped with self-diagnostic circuit (temperature sensor error detection, heater disconnection protection, automatic overheating prevention, SSR short-circuit protection), overheating prevention, overcurrent leakage protection switch, key lock and other safety functions.



Specifications

Model		SI411C	SI611C	
System		Natural convection hot air sterilizer		
Performance	Operating temp. range	Room temp. +5~260°C		
	GB standard	Temp. fluctuation	±0.5°C (at 260°C)	
		Temp. uniformity	±3% (at 260°C)	
	JTM standard	Temp. adjusting accuracy	±1.0°C (at 260°C)	
		Temp. distribution accuracy	±5.0°C (at 260°C)	
Max. temp. reaching time		Approx. 70 min		
Composition	Interior material	Stainless steel plate		
	Exterior material	Cold rolled steel plate with chemical proofing coating		
	Insulating material	Glass fiber		
	Heater	Nichrome heating wire		
		1.2kW	1.36kW	
	Fan blade/motor	-		
Exhaust vent	I.D. 30mm×2 (top)			
Controllers	Temp. control method	3-stage PID		
	Temp. setting method	Use special function menu keys and ▲/▼ keys to realize digital setting		
	Temp. display method	Measured temp. display: Green 4-digit LED digital display		
		Setting temp. display: Red 4-digit LED digital display		
	Timer	1 min~99 h 59 min and 100~999 h 50 min (including timer waiting function)		
	Operation functions	Fixed temp. operation, auto start, quick auto stop, auto stop, program operation		
	Program mode	Programmable controller with 3 modes (30 segments×1, 15 segments×2, 10 segments×3)		
	Additional functions	Deviation correction, key lock, power outage compensation		
Sensors	K thermocouple (Temp. controller and overheat protector)			
Safety device		Self-diagnostic circuit (temperature sensor error detection, heater disconnection protection, automatic overheating prevention, SSR short-circuit), overheating prevention, overcurrent leakage protection switch, key lock functions		
Specification	Internal dimensions (W×D×H mm)	450×430×400	600×530×500	
	External dimensions (W×D×H mm)	550×540×777	700×640×877	
	Internal capacity	77L	159L	
	Shelf load	15kg/layer		
	Shelf layers	10 layers	13 layers	
	Support spacing	30mm		
	Power supply (50/60Hz) rated current	AC220V 6A	AC220V 6.5A	
	Weight	Approx. 42kg	Approx. 59kg	
Accessories	Shelf	Stainless punching mesh plate		
		2 pcs		
	Supports	4 pcs		
Options	Stand	ONS60C		
	Stacking fittings	ODK82C	ODK84C	
	Others	Shelf (1 shelf with 2 supports) micro printer, data logger, combination warning light (standby/running/fault), external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, centralized monitoring software		

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2 Granulation and Spray Dryers

3 Furnaces

4 Ovens

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6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Stirrers & Shakers

12 Options