

# Laboratory Dry Sterilizer

Natural convection

SI402-115V SI402-220V / SI602-115V SI602-220V

Operating temp. range

Room temp. +5~260°C

Temp. distribution accuracy

±6°C (at 260°C)

Internal capacity

77L (SI402)

159L (SI602)

## Natural convection hot air sterilizer with program function

### Operation and function

- Programmable
- Improved temperature controller with better operability
- Digital setting by main menu and ▲/▼ keys for fixed temperature, program, quick auto stop, auto stop and auto start operations
- Standard equipped with calibration offset, lock function, power failure recovery mode
- Maximum 30 steps, 6 patterns, repeat operation

### Safety features

- Standard equipped with self diagnostic functions, earth leakage breaker and overheat prevention device



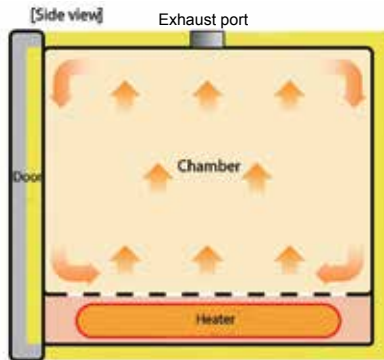
77L  
SI402-115V  
SI402-220V

### Specifications

Model	SI402-115V	SI402-220V	SI602-115V	SI602-220V
Circulation method	Natural convection			
Temp. setting range	Room temp. +5~260°C			
Temp. control accuracy	±1°C (at 260°C)			
Temp. fluctuation	3°C (at 260°C)			
Temp. distribution accuracy	±6°C (at 260°C)			
Temperature gradient	20 °C (at 260 °C)			
Temp. rising time	~70 min. (RT to 260°C)			
Interior / Exterior material	Stainless Steel / Chrome free electrogalvanized carbon steel sheet coated with chemical-proof baked-on finish			
Insulation Material	Glass wool			
Heater type / capacity	Iron chromium wire heater 1.2kW		Iron chromium wire heater 1.36kW	
Sensor	K type thermocouple for temperature control and overheat prevention			
Exhaust port	I.D. 30mm x 2 (on top)			
Temperature control	PID control by microprocessor			
Temperature setting system	Digital setting with menu keys and the ▼▲ keys			
Temperature display system	Temp. display: Green 4-digit LED Digital Display (increment: 1°C) Setting temp. display: Red 5-digit LED Digital Display (increment: 1°C)			
Timer	0 to 99 hours 59 minutes, 100 hours to 999 hours 50 minutes			
Timer resolution	1 minute increments under 99 hours and 59 minutes, 10 minutes after 100 hours			
Wait function	Timer wait function (ON/OFF setting)			
Operation function	Fixed temperature, Program, Program auto start, Auto stop, Auto start, Quick auto stop operations			
Program modes	6 patterns (PrG1: 30 steps, PrG2-3: 15 steps, PrG4-6: 10 steps), Step wait, Repeat, Step hold, Step skip functions			
Additional functions	Calibration offset, Keypad lock, Auto resume mode select			
Safety device	Self-diagnostic functions (Automatic overheat prevention, Temperature sensor failure, Heater disconnection, SSR short circuit, main relay failure, memory error, internal communication error, abnormal temperature reading), Overcurrent ELB, Overheat prevention device			
Internal dimensions (WxDxH)	450 x 430 x 400mm		600 x 530 x 500mm	
External dimensions (WxDxH)	550 x 540 x 777mm		700 x 640 x 877mm	
Internal capacity	77L		159L	
Shelf plate with standard load	~15kg/pc			
Shelf rest step number / pitch	10 steps / 30mm		13 steps / 30mm	
Power source	115V 11A with plug	220V 6A no plug, round terminal	115V 12.5A with plug	220V 6.5A no plug, round terminal
Weight	~42kg		~59kg	
Included accessories	Shelf plate / bracket: Perforated stainless steel plate 2 pcs. / 4 pcs. Bottom most plate is secured by screws.			

\* Conditions: temperature 23°C±5°C, humidity 65%rh±20% (no load)

## Method



## Control Panel



## Interior



## Optional items

Description	Product code
Stand ONS60	212802
Stacking hardware with insulation ODK82 (for SI401/402)	212804
Stacking hardware with insulation ODK84 (for SI601/602)	212805
Shelf and bracket set for SI401/402	212095
Shelf and bracket set for SI601/602	212266
Seismic mat (set of 4 pcs.)	296902
*External communications adaptor kit (RS485-USB conversion)	281146
*External communication terminal (RS485) for SI402 for SI602	281190 281249
*External alarm output terminal for SI402 for SI602	281196 281250
*Time-up output terminal for SI402 for SI602	281246 281251
*Temperature output terminal for SI402 for SI602	281247 281252
*Independent overheat prevention device for SI402 for SI602	281248 281253

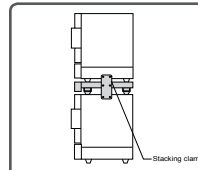
\* Please specify when ordering main unit.



Shelf and bracket set



Seismic mat



ODK Stacking hardware



### ⚠ Attention

- Never use in flammable or explosive gas atmosphere.
- Never use explosive or flammable material.

- Caution: High temperature components.