

# Dry Sterilizer (Laboratory use)

Natural convection hot air sterilization

## SI402/602

Operating temp. range Room temp. +5~260°C

Temp. distribution accuracy ±6°C (at 260°C)

Internal capacity 77L SI402 159L SI602

**Easy to operate and manage! Easy to install dry heat sterilizer for laboratory! Equipped with a new controller with various program functions!**

### ■ Features

- It is not necessary to add the temperature rise time to the sterilization time.
- Equipped with a new wait function that counts the timer within the 0 ~ 5°C range after reaching the set temperature and stops counting when the timer is off. It is now easy to set and manage the sterilization time.
- In addition to timer functions such as auto start and auto stop, program auto start (Start of programmed operation after set time) and quick auto stop (stop setting during operation) functions have been added.

### ■ Safety

- Equipped with safety functions such as heater disconnection, earth leakage breaker, and automatic overheat prevention as standard. Optional independent overheat protection is also available.



77L  
SI402

### ■ Specifications

Product code	292248	292249
<b>Model</b>	<b>SI402</b>	<b>SI602</b>
Circulation method	Natural convection, Dry heat sterilizer for laboratory*1	
Operating temp. range*2	Room temp. +5~260°C	
Temp. adjustment accuracy*2	±1°C (at 260°C) JTM K05	
Temp. fluctuation*2	3°C (at 260°C) JIS	
Temp. distribution accuracy*2	±6°C (at 260°C) JTM K05	
Temp. gradient*2 *3	20°C (at 260°C) JIS	
Max. temp. reaching time*2	Approx. 70min.	
Interior/Exterior material	Stainless steel plate / Chrome-free electrogalvanized steel sheet with chemical-resistant baked-on coating	
Heater	1.2kW	1.36kW
Air exhaust port	I.D. 30mm×2 (top)	
Temp. control	PID control / VS6 type	
Temp. display	Measured temp. display: Green 4-digit LED digital display Setting temp. display: Red 4-digit LED digital display	
Timer	0min-99 hr 59 min and 100 hr-999 hr 50 min (Setting unit: 1 min./10 min.)	
Operation function	Fixed temp. operation, Program operation, quick auto stop, auto stop, auto start, Program auto start operation	
Program mode	Program operation 6 patterns (PrG1:30 steps, PrG2~3:15 steps, PrG4~6:10 steps)	
Additional function	Calibration offset function / Set value lock function / Power failure recovery mode selection function	
Sensor	K thermocouple (Temp. controller and overheat protector)	
Internal dimensions	W450×D430×H400mm	W600×D530×H500mm
External dimensions	W550×D540×H777mm	W700×D640×H877mm
Internal capacity	77L	159L
Shelf plate with standard load	Approx. 15 kg/pc. Total load capacity 30kg	
Shelf rest step number / pitch	10 steps / 30mm	13 steps / 30mm
Power source (50/60Hz)	AC115V/AC220V Single phase	
Weight	Approx. 42 kg	Approx. 59 kg
Shelf plate material	Stainless punching metal	
Shelf plate / bracket	2pcs./4pcs.	
Safety device	Self-diagnostic function (Automatic overheat prevention, Temp. sensor error, Heater disconnection, SSR short-circuit, Main relay failure, Memory error, Internal communication error, Measurement temp. error) / Overcurrent ELB	

\*1 This is not a medical device.

\*2 Performance is measured when the power supply is 100V AC, room temp. is 23 °C ± 5°C, humidity is 65% RH ±20%, no load is applied, and the exhaust port is 1/3 open.

\*3 In order to ensure the sterilization temperature, the temp. inside the tank is controlled to be kept higher than the set temperature.

Self-diagnosis

Key lock

Program operation

Overcurrent ELB

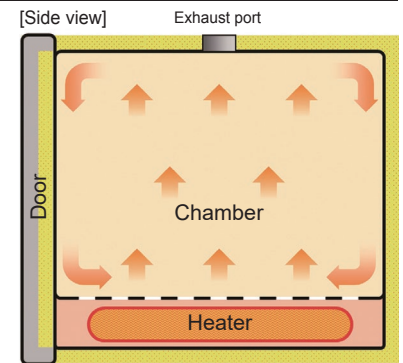
## Control Panel



## Interior



## Method



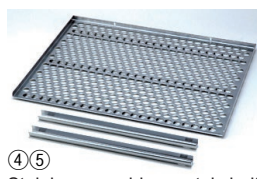
## Optional items

No.	Description		Product code
①	Stand	ONS60 for SI402/602	212802
②	Stacking support	ODK82 for SI402	212804
③		ODK84 for SI602	212805
④	Stainless punching metal shelf (with bracket 2pcs)	for SI402	212095
⑤		for SI602	212266
⑥	Seismic mat		296902
⑦	*External communication terminal (RS485)	OA029 for SI402	281190
⑧		OA034 for SI602	281249
⑨	*External communication adapter (RS 485 to USB Conversion)	OA017 for SI402/602	281146
⑩	*Temperature output terminal (4~20mA)	OA032 for SI402	281247
⑪		OA037 for S602	281252
⑫	*External alarm output terminal (Non-voltage A contact)	OA030 for SI402	281196
⑬		OA035 for SI602	281250
⑭	*Timeup output terminal (Non-voltage A contact)	OA031 for SI402	281246
⑮		OA036 for SI602	281251
⑯	*Independent overheat protector	OA033 for SI402	281248
⑰		OA038 for SI602	281253

\* Please specify when ordering main unit.



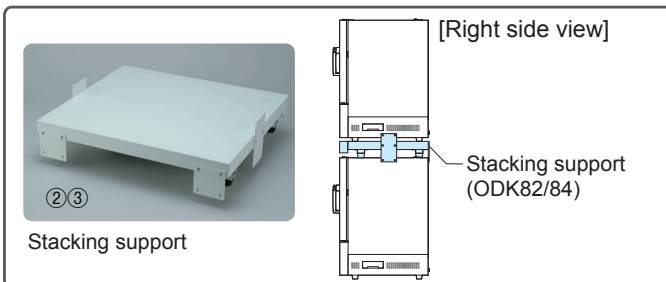
Stand



Stainless punching metal shelf (with bracket 2pcs)



Seismic mat



Stacking support

## Dimensions (mm)

