

Drying Sterilizers

SI401/601

Operating temp. range	Temp. distribution accuracy	Internal capacity
Room temp. + 5 to 260 deg.C	20 deg.C (at 260 deg.C)	77L (401)/159L (601)

Reasonable price and features an easy programming function

The product is equipped a temperature controller VS4, which has improved ease of operation. This is a standard, natural convection, programmable drying sterilizer for laboratories with easier setting.



SI401/601 (with optional rack)

- The product features extensive functions for quick, safe, and reliable sterilization.
- Features a program controller for up to 30 steps, six patterns with the repeat function.
- Using the dedicated operation menu keys and the digital setting system with UP/DOWN keys, you can select fixed operation, program operation, quick auto stop operation, auto stop, auto start operation by simple operation.
- You can make settings for the overheat preventive device, calibration offset, and key lock using the sub function keys.
- The product facilitates extensive safety functions including: self diagnostic circuit (temperature sensor malfunction, heater disconnection, automatic overheat preventive device, SSR short circuit), over heat preventive device, over current electric leakage breaker, and key lock function.

■ Specifications

Product code	292227	292228
Model	SI401	SI601
System	Natural convection drying sterilizer for laboratories *1	
Performance *2		
Operating temp. range	Room temp. + 5 to 260 deg.C	
Temp. adjustment accuracy	2 deg. C (at 260 deg.C)	
Temp. distribution accuracy	20 deg.C (at 260 deg.C)	
Time to attain max. Temp.	Approx. 70 min	
Configuration		
Interior material	Stainless steel plate	
External material	Cold rolled steel plate, epoxy melamine resin finishing	
Heater	Iron-chrome wire heater 1.2 kW	Iron-chrome wire heater 1.36 kW
Exhaust port	I.D. 30 mm x 2 (top side)	
Controller		
Temperature control system	PID control with a micro computer	
Temperature display system	Measured temp. display: Four-digit green LED digital display Set temp. display: Four-digit red LED digital display	
Timer	1 min to 99 hrs 59min and 100 to 999 hrs 50 min (with a timer wait function)	
Operation functions	Fixed operation, program operation, quick auto stop, auto stop, auto start	
Program mode	Six pattern program operation (30 steps x 1, 15 steps x 2, 10 steps x 3), pattern repeat function	
Sensor	K-thermocouple (temperature controller, overheat preventive device) (W sensor)	
Function		
Safety functions	Self diagnostic function (Temp. sensor error, heater disconnection, SSR short circuit, automatic overheat prevention function), overheat preventive device, over current preventive electric leakage breaker, key lock function	
Standards		
Bath internal dimensions	450 x 430 x 400 mm (W x D x H)	600 x 530 x 500 mm (W x D x H)
External dimensions *3	550 x 540 x 777 mm (W x D x H)	700 x 640 x 877 mm (W x D x H)
Internal capacity	77L	159L
Withstand loading of shelf	Approx. 15 kg/each	
Number of shelves	10	13
Shelf peg pitch	30 mm	
Power source	AC100V 50/60 Hz 12.2A(15A)	AC100V 50/60 Hz 13.6A(20A)
Weight	Approx. 42 kg	Approx. 59 kg
Accessory		
Ground wire	1	
Shelves	2 (the bottom one is fixed with screws)	
Shelf and shelf peg	Stainless steel punching metal shelves x 2 Shelf peg x 4 (One set is for fixing interior material)	

*1 This product is not a medical device.

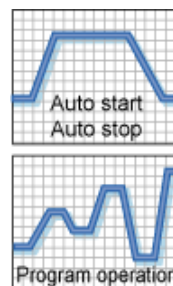
*2 Condition: Temperature and humidity 23 deg.C+/-5 deg.C; 65%RH+/-20%.

*3 External dimensions do not include protrusions.

■ Control panel



The controller allows easy inputs using the dedicated operation menu keys and UP/DOWN keys and setting and measurement, overheat prevention temperature can be displayed digitally.



■ Internal bath



■ Optional items

Remark	Description	Model No.	Product Code
○	Stand ONS60 (for 401/601)	SI Series	212802
	Stacking clamp ODK82 (for 401)	SI Series	212804
	Stacking clamp ODK84 (for 601)	SI Series	212805
	Shelf for 401	SI Series	212095
	Shelf for 601	SI Series	212266
●	External communication function	SI Series	281240
●	External communication adapter	SI Series	281241
●	Temperature output terminal	SI Series	281242
●	External alarm terminal	SI Series	281243
●	Time up output terminal	SI Series	281244
●	Independent overheat preventive device	SI Series	281245

Note:

1. The item marked "●" in the column of "Remark" shall be ordered together with the main unit.
2. The transportation cost will not be required if the order is together with main unit except the item marked "○". In case you order the item marked "○" together with the main unit, please ask Yamato to obtain the correct transportation cost.

■ Shelf & peg



■ Dimensional drawing (mm)

