

Dry Sterilizer (Laboratory use)

Natural convection (SK401/601) / Forced air convection (SK801/811)

SK401/601/801/811

Operating temp. range

RT+5~260°C
SK401/601

RT+5~210°C
8401/811

Temp. control accuracy

±1°C(at 260°C)
SK401/601

±1°C(at 210°C)
SK801/811

Internal capacity

99L
SK401

162L
SK601

300L
SK801/811

Dry heat sterilization with independent overheat prevention device

Operation and function

- Programmable
- High precision controller with improved display visibility and operability
- Standard equipped with calibration offset, lock function, power recovery mode, power on and operation time accumulation, calendar time, accumulation power consumption monitoring, total CO₂ emission, and heat output, save and access operator setting information
- Maximum 99 steps, 99 patterns, repeat operation
- Easy sample data collection with cable port

Safety features

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



Specifications

Model	SK401	SK601	SK801	SK811
Circulation method	Natural convection		Forced convection	
Temp. setting range	Room temp. +5~260°C		Room temp. +10~210°C	
Temp. control accuracy	±1°C (at 260°C) JTM K05		±1°C (at 210°C) JTM K05	
Temp. fluctuation	3°C (at 260°C) JIS		2°C (at 210°C) JIS	
Temp. distribution accuracy	±5°C (at 260°C) JTM K05		±3.5°C (at 210°C) JTM K05	
Temp. gradient	20°C (at 260°C) JIS		12°C (at 260°C) JIS	
Temp. rising time	Approx. 60min.			
Interior / Exterior material	Stainless Steel / Chrome free electrogalvanized carbon steel sheet coated with chemical-proof baked-on finish			
Insulation Material	Glass wool			
Heater (pipe heater)	SUS 1.2kW	SUS 1.36kW	SUS 2.4kW	
Sensor	K type Thermocouple (for temp. adjustment, Individual overheating prevention)			
Fan type / Fan motor	-		Sirocco Fan / Condenser type motor 30W	
Cable port	I.D. 33mm (right side)			
Exhaust port	I.D. 33mm×2 (on top)		I.D. 33mm×2 (back)	
Temperature control	PID control by microprocessor			
Temperature display	Temp. display: Green 4-digit LED digital display (increment: 1°C) Setting temp. display: Orange 5-digit LED digital display (increment: 1°C)			
Timer	0 min~99 hrs 59 min (increment: 1 min. or 1 hr.)			
Heater control	Triac with Zero-cross control			
Operation function	Fixed temperature, Auto start, Auto stop, Quick auto stop, Program (99 steps, 99 patterns, Repeat operation function)			
Additional function	Power on and operation time accumulation function (up to 65535 hours), Calendar time (24 hours), Calibration offset, Accumulated power consumption monitoring, Total CO ₂ emission and heater output, Power recovery mode, Save and access operator setting information			
Safety device	Self-diagnostic functions (Sensor failure, Triac short circuit, Heater failure, Main relay contact failure, Automatic overheat prevention), Earth leakage breaker, Independent overheat prevention device, Key lock			
Internal dimensions (W×D×H)	450×490×450mm	600×540×500mm	600×500×1000mm	
External dimensions (W×D×H)	560×600×820mm	710×650×870mm	710×650×1640mm	
Internal capacity	99L	162L	300L	
Shelf plate with standard load	Approx. 15kg / pc			
Shelf rest step number / pitch	11 steps / 30mm	13 steps / 30mm	29 steps / 30mm	
Power source (50/60Hz)	115V / 220V	115V / 220V	Single phase 115V 22A	Single phase 220V 12A
Weight	Approx. 50kg	Approx. 62kg	Approx. 108kg	
Shelf plate / bracket	Stainless steel punched metal 2 pcs. / 4 pcs.		4 pcs. / 8 pcs.	

- Self-diagnosis
- Auto overheat prevention
- Independent overheat protector
- Key lock
- Cable hole
- Program operation
- Overcurrent ELB



300L
SK811

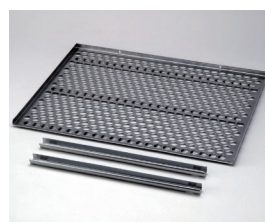
Control Panel



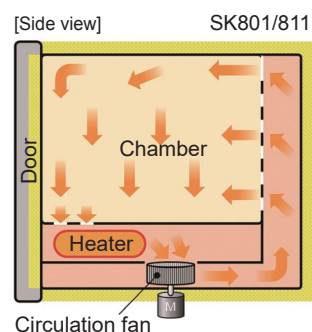
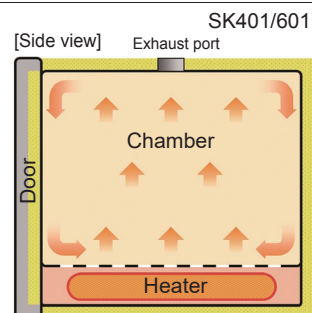
Cable Port



Shelf and Bracket Set



Method

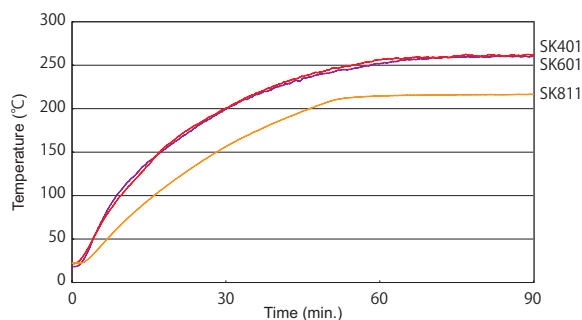


Optional items

Description	Product code	
Stand		
For SK401/601	ON61	211856
For SK401	OT42	212348
For SK601	OT62	212349
Stacking support		
For SK401	OD40	212822
For SK601	OD60	212823
Stainless punching metal shelf (with bracket 2pcs)		
For SK401		212246
For SK601/801/811		212266
*Cable port		
Ø25mm ODK32		281121
Ø50mm ODK34		281122
Seismic mat		296902
External communication adapter set	OIN90	211880
*External communication terminal	ODS16	212981
*Temperature output terminal	ODS18	212982
*External alarm output terminal	ODS22	212983
*Timeup output terminal	ODS24	212984
*Operation signal output terminal	ODS26	212985
*Event output terminal	ODS28	212986

* Please specify when ordering main unit.

Temperature Rising Curve

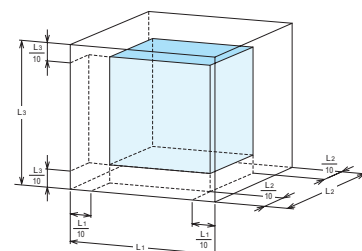


9 Points of Distribution Reference Data (SK811, no load, setting temp. 180°C)

	Top right back	Top left back	Top right front	Top left front	Bottom right back	Bottom left back	Bottom right front	Bottom left front	Center
SK811	186.6	189.2	186.2	188.8	184.9	186.3	183.0	183.5	186.9

Conditions

- 9 measurement points are taken from the effective internal capacity down-scale by 10% (as the image on the right) and the center
- Room Temp. 23°C, AC100V, 50Hz, stable temperature when temp. setting at 180°C
- No load, with 2 pcs of shelves



Dimensions (mm)

