

Laboratory Dry Sterilizer

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

SK401-115V SK401-220V / SK601-115V SK601-220V / SK801 / SK811

Operating temp. range	Room temp. +5~260°C (SK401/601)	Room temp. +10~210°C (SK801/811)	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)
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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



(Stand optional)

Specifications

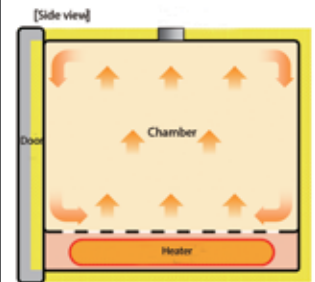
Model	SK401-115V	SK401-220V	SK601-115V	SK601-220V	SK801	SK811
Circulation method	Natural convection				Forced convection	
Temp. setting range	Room temp. +5~260°C				Room temp. +10~210°C	
Temp. control accuracy	±1°C (at 260°C)				±1°C (at 210°C)	
Temp. fluctuation	±1.5°C (at 260°C)				±1°C (at 210°C)	
Temp. distribution accuracy	±5°C (at 260°C)				±3.5°C (at 210°C)	
Temp. rising time	~60min.					
Interior / Exterior material	Stainless Steel / Chrome free electrogalvanized carbon steel sheet coated with chemical-proof baked-on finish					
Insulation Material	Glass wool					
Heater	SUS 1.2kW		SUS 1.36kW		SUS 2.4kW	
Sensor	K type Thermocouple					
Fan type / Fan motor	-				Sirocco Fan / Condenser type motor 30W	
Cable port	I.D. 33mm (right side)					
Exhaust port	I.D. 33mm x 2 (on top)				I.D. 33mm x 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 functions	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, key lock					
Safety device	Self-diagnostic functions (Sensor failure, SSR short circuit, Heater failure, Main relay contact failure, Automatic overheat prevention), earth leakage breaker, Independent overheat prevention device					
Internal dimensions (WxDxH)	450 x 490 x 450mm		600 x 540 x 500mm		600 x 500 x 1000mm	
External dimensions (WxDxH)	560 x 600 x 820mm		710 x 650 x 870mm		710 x 650 x 1640mm	
Internal capacity	99L		162L		300L	
Shelf plate with standard load	~15kg/pc					
Shelf rest step number / pitch	11 steps / 30mm		13 steps / 30mm		29 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	115V 21.5A no plug, round terminal	220V 11.5A no plug, round terminal
Weight	~50kg		~62kg		~108kg	
Shelf plate / bracket	Stainless steel punched metal					
	2 pcs. / 4 pcs.				4 pcs. / 8 pcs.	



Control Panel



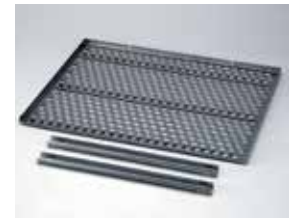
Method



Cable Port



Shelf and Bracket Set

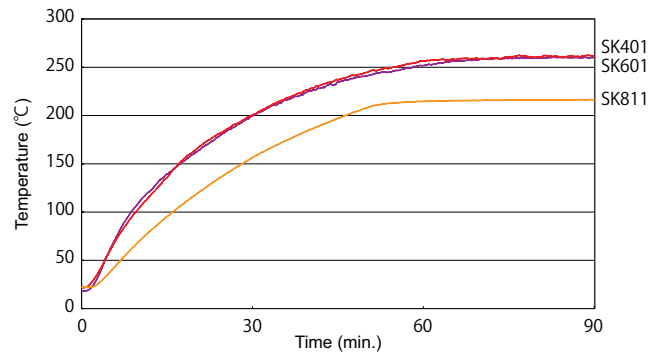


Optional items

Description	Product code
Stand	
For SK401/601 ON61	211856
For SK401 OT42	212348
For SK601 OT62	212349
Stacking kit	
For SK401 OD40	212822
For SK601 OD60	212823
Shelf and bracket set	
For SK401 ODN20	212246
For SK601/801/811 ODN22	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
*Timeout output terminal ODS24	212984
*Operation signal output terminal ODS26	212985
*Event output terminal ODS28	212986

* Please specify when ordering main unit.

Temperature Rising Curve

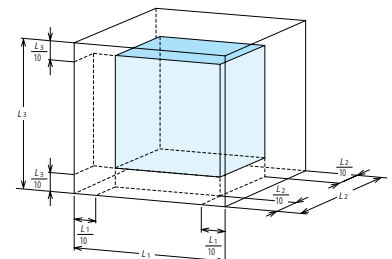


9 Points of Distribution Reference Data (SK811, no load, setting temp. 180°C)

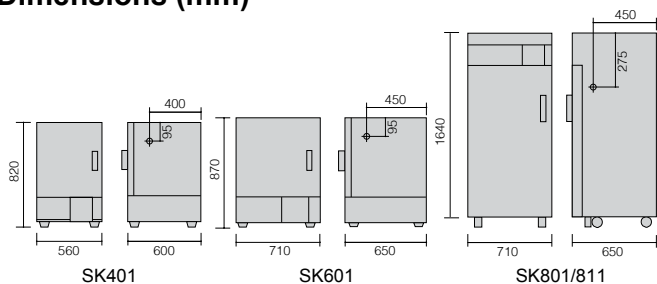
	Top right back	Top left back	Top right front	Top left front	Bottom right back	Bottom left back	Bottom right front	Bottom left front	Center
SK811	186.6	189.2	186.2	188.8	184.9	186.3	183.0	183.5	186.9

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, AC115V, 50Hz, stable temperature when temp. setting at 180°C
- No load, with 2 pcs of shelves



Dimensions (mm)



Attention

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

Caution: High temperature components.