

Laboratory Dry Sterilizer

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

SK401/601/801/811

| | | | | | | | | | |
|-----------------------|---------------------------------|----------------------------------|------------------------|-----------------------------|-----------------------------|-------------------|-------------|--------------|------------------|
| 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) |
|-----------------------|---------------------------------|----------------------------------|------------------------|-----------------------------|-----------------------------|-------------------|-------------|--------------|------------------|

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, accumulated 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

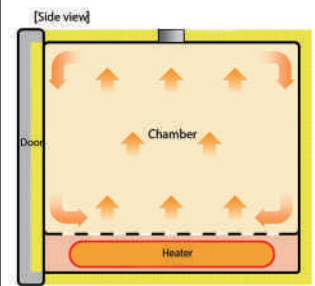
| Model | SK401 | SK601 | SK801 | SK811 |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------------------------|-----------------------|
| 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) | | ±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 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, 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 | | 29 steps / 30mm | |
| Power source | 115V 11.5A | 115V 12.5A | 115V 22A | Single phase 220V 11A |
| 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

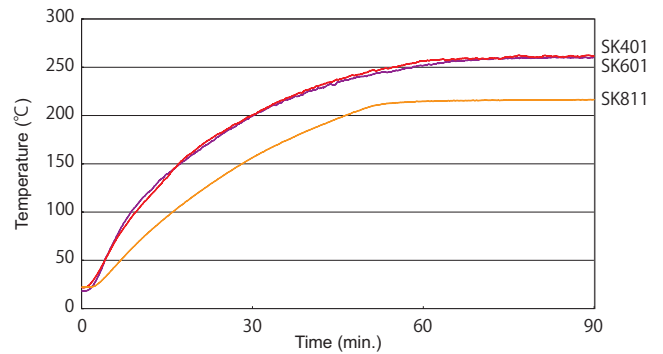


Optional items

| Description | Product code |
|------------------------------------|--------------|
| Stand | |
| For SK401/601 | ON61 |
| For SK401 | OT42 |
| For SK601 | OT62 |
| Stacking kit | |
| For SK401 | OD40 |
| For SK601 | OD60 |
| Shelf and bracket set | |
| For SK401 | ODN20 |
| For SK601/801/811 | ODN22 |
| *Cable port | |
| Ø25mm | ODK32 |
| Ø50mm | ODK34 |
| Seismic mat | 296902 |
| External communication adapter set | OIN90 |
| *External communication terminal | ODS16 |
| *Temperature output terminal | ODS18 |
| *External alarm output terminal | ODS22 |
| *Timeout output terminal | ODS24 |
| *Operation signal output terminal | ODS26 |
| *Event output terminal | ODS28 |

* Please specify when ordering main unit.

Temperature Rising Curve

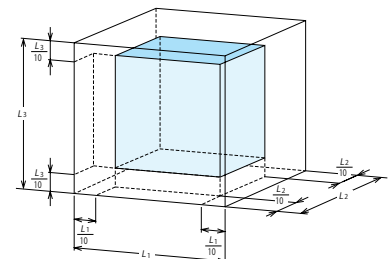


9 Points of Distribution Reference Data (SK811, no load, setting temp. 180°C)

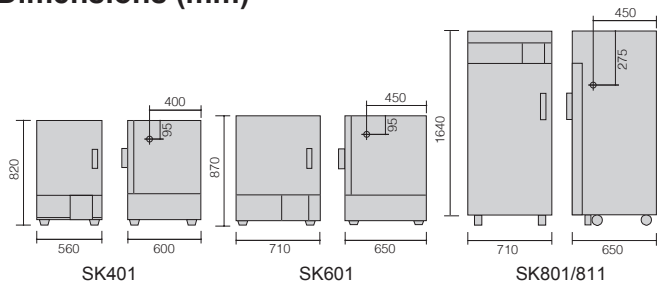
| | Top right back | Top left back | Top right front | Top left front | Bottom right back | Bottom left back | Bottom right front | Bottom left front | Center |
|-------|----------------|---------------|-----------------|----------------|-------------------|------------------|--------------------|-------------------|--------|
| 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 shelf



Dimensions (mm)



Attention

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

Caution: High temperature components.