

Standard Laboratory Sterilizer with Dryer



SM201/211/301/311/501/511

| | | | | | | | |
|-----------------------|--|-------------------------|---|-------------------|-----------------|-----------------|-----------------|
| Operating temp. range | 105~123°C (SM201/211) 105~128°C (SM301/311/501/511) | Max. operation pressure | 0.18MPa (SM201/211) 0.2MPa (SM301/311/501/511) | Internal capacity | 20L (SM201/211) | 32L (SM301/311) | 47L (SM501/511) |
|-----------------------|--|-------------------------|---|-------------------|-----------------|-----------------|-----------------|

High performance, fully automatic sterilization from start to finish with high pressure steam sterilization and drying steps



- Automatic operations from sterilization to drying carried out with an interactive key input system
- Quick sample drying capability makes samples ready to use right after sterilization
- Drying temperature can be set according to sample material, quantity, etc.
- Timer range from 1~999 hours
- Drain bottle water level can be quickly confirmed on the front panel level indicator
- Drain valve located in front for easy access
- Absence of protrusions in sterilization chamber makes insertion & removal of baskets, and other items quick and easy
- Self-diagnostic functions make operation safer and error recovery quicker
- Condensation collector neutralizes high temperature exhaust steam safely

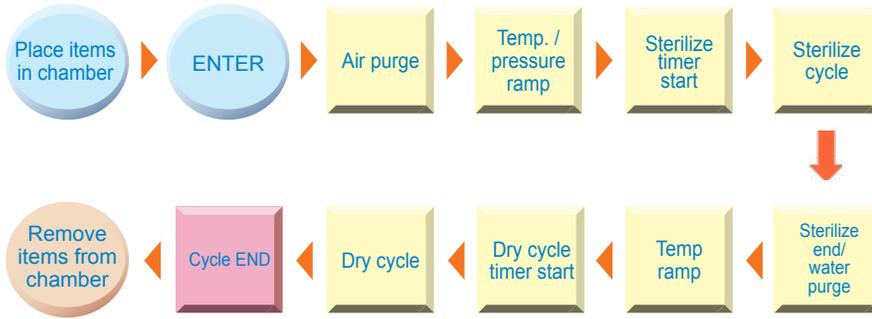
Specifications

| Model | SM201 | SM211 | SM301 | SM311 | SM501 | SM511 |
|-------------------------------------|--|---------------------------------------|--|---|--|---|
| System | Automatic high pressure steam sterilization | | | | | |
| Operating temperature | Sterilization | 105 to 123°C | | 105 to 128°C | | |
| | Drying | 150 to 180°C | | | | |
| Maximum pressure capacity | 0.18MPa | | | 0.2MPa | | |
| Interior | Stainless steel | | | | | |
| Heater | Sterilization | 1.3kW | | 1.7kW | | 2.0kW |
| | Drying | 1.0kW | | 1.5kW | | |
| Temp. controller | PID control by microprocessor | | | | | |
| Temp. display | Digital display by green LED and setting via ▲/▼ keys | | | | | |
| Timer / Timer resolution | 1 min. ~ 99 hrs. and 59 min. / 100~ 999 hrs. / 1 min. or 1 hr. | | | | | |
| Safety Device | Self-diagnostic functions (detection sensor error, SSR short circuit, heater disconnect, faulty main relay, dry operation), safety valve, electric leakage breaker, drain bottle set-fail switch | | | | | |
| Internal dimensions (Dia x Depth) | 240 x 445 mm | | | 300 x 445 mm | | 300 x 665 mm |
| External dimensions (WxDxH) | 410 x 470 x 957 mm | | | 440 x 530 x 968 mm | | 440 x 530 x 1088 mm |
| Internal capacity | 20L | | | 32L | | 47L |
| Power source (50/60Hz single phase) | AC115V, 13A with plug | AC220V, 7A no plug, round terminal | AC115V, 15A no plug, round terminal | AC220V, 9.5A no plug, round terminal | AC115V, 15A no plug, round terminal | AC220V, 9.5A no plug, round terminal |
| Weight | ~65kg | | ~80kg | | ~85kg | |
| Accessories | 2 pcs. stainless steel mesh basket (Φ209 x D204mm) | | 2 pcs. stainless steel mesh basket (Φ266 x D204mm) | | 2 pcs. stainless steel mesh basket (Φ266 x D315mm) | |
| | Drain board x 1, drain bottle x 1, condensation collection container with magnetic bracket x 1 | | | | | |

Power cable is 3 meters.

Performance based on 23±5°C room temp, 65%RH±20% damper fully closed and no load. Overall dimensions do not include protrusions.

Sterilization & Drying Process



Control Panel



Front Door



- Drain bottle placed in front for easy level monitoring and access
- Drain valve also located in front for quick access and operation

Included Items

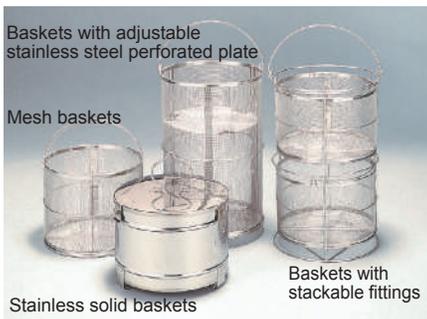


Mesh baskets



Condensation collector

Optional Items



Output terminal



| Product code | Description | Dimension | Corresponding models |
|--------------|--|--|-------------------------|
| 241087 | Mesh basket | 209x204mm | SM201 / 211 |
| 241088 | Pitch 8.5mm | 266x204mm | SM301 / 311 |
| 241089 | | 266x315mm | SM501 / 511 |
| 241085 | Mesh basket | 190x159mm | SM201 / 211 |
| 241086 | Pitch 10mm | 250x201mm* | SM301 / 311 / 501 / 511 |
| 241093 | Mesh basket with stacking fittings | 168x162mm with 2 fittings | SM201 / 211 |
| 241092 | | 246x162mm with 2 fittings | SM301 / 311 |
| 241091 | | 246x162mm with 3 fittings | SM501 / 511 |
| 241096 | Mesh basket with adjustable stainless steel perforated plate | 200x390 with 1 plate | SM201 / 211 |
| 241095 | | 260x390 with 1 plate | SM301 / 311 |
| 241094 | | 200x590 with 2 plates | SM501 / 511 |
| 241083 | Stainless solid basket | 205x150 | SM201 / 211 |
| 241084 | | 265x180 | SM301 / 311 / 501 / 511 |
| 241073 | Temperature output terminal | Customized. Must be specified at time of order | |
| 241074 | Time-up output terminal | | |
| 241075 | External alarm output terminal | | |
| 241076 | Interior temp. gauging sensor | | |

*SM301/311 units accommodate 2 baskets. SM501/511 units accommodate up to 3 baskets.