

GETINGE

400LS AND 500LS SERIES STEAM STERILIZERS

LIFE SCIENCES





VISIBLY BETTER BY DESIGN

Quality construction. Outstanding performance. Powerful control. Simplified operation. Getinge 400LS/500LS Series Steam Sterilizers deliver an unmatched combination of sterility assurance, cycle flexibility, real-time information access and advanced operator control. Just what you expect from the company that helped pioneer steam sterilization technology.

The difference that's plain to see

One look will tell you, 400LS/500LS Steam Sterilizers are designed with busy laboratory professionals and researchers in mind. Featuring a large display screen and highly intuitive controls, the sterilizers' sleek, clean, modern designs help ensure long-term aesthetic appeal for every work environment. 400LS/500LS Steam Sterilizers are ideal for new construction or replacing older models, offering increased chamber loading capacities within the same wall openings and footprints of your current units.

Reliability you can trust

Stainless steel chambers and doors provide superior corrosion resistance and structural integrity, backed by Getinge's 15-year chamber warranty. What's more, our commitment to quality and uninterrupted performance is reflected in an industry best, one year, parts and labor guarantee.

FIVE MODELS TO CHOOSE FROM

Getinge 400LS/500LS Series Steam Sterilizers have been optimized for laboratory research, animal care, and biohazard decontamination applications. They offer cycles for instruments, utensils, glassware, bedding, cages, and liquids in open or vented containers.

- 400LS Series – 17.5" x 17.5" door openings
- 500LS Series – 21.5" x 21.5" door openings

Models 422LS and 522LS are gravity displacement sterilizers. Cycle types include:

- Positive pulsing for wrapped items
- Unwrapped porous and nonporous items at three- and ten-minute exposures
- Liquids

Models 433LS and 533LS offer both gravity displacement and prevacuum sterilization. Cycle types include:

- Positive pulsing and prevacuum for wrapped items
- Prevacuum for unwrapped porous and nonporous items
- Gravity for unwrapped porous and nonporous items at three- and ten-minute exposures

- Liquids
- Vacuum leak tests

The 544LS Steam Sterilizer is specifically designed for gravity or vacuum steam sterilization and decontamination of laboratory, research and animal-care supplies. Getinge's effluent sterilization process entraps contaminated discharge from the sterilizer until completion of the process cycle. Air passes through a bacteria retentive filter, and steam is injected into the bottom of the vessel to sterilize condensate.

Features unique to the 544LS include:

- Validated biological sealing system creates a hermetic seal between hot and cold zones
- Hermetically-sealed conduits through the bioseal for all electronic cabling into the hot zone
- Air backup tank for door gasket that does not rely on utilities to maintain the seal between the chamber and the door



SOFT-KEY CONTROL PANEL FOR EASY, INTUITIVE OPERATION

Large 5.7" VGA color display and intuitive, flexible, soft-key controls facilitate on-screen modifications of cycle parameters and quick reference of cycle values — even at a distance. The operator control panel is mounted beside the door, or can be remotely wall mounted.

- Choice of three operating screens — bar graph (with visible cycle time remaining), plot graph or details
- Universal symbols are easily understood
- Audible and visual feedback
- Real time, continuous display of cycle values with cycle countdown
- Quick, on-screen edit of cycle parameters
- Comprehensive process fault messaging
- Password-protected supervisory and service-level security
- Set up users' lists with individual password access
- Array of flexible life sciences controls including:
 - Number of pulses with pulse height and depth adjustments
 - Temperature overdrive
 - Adjustable liquid dwell time and exhaust rate





■ Intuitive controls with visible time remaining in cycle are displayed

■ Burn guard and heat-resistant door handle provides an extra measure of safety

■ Multiple shelf adjustments

■ Greater chamber capacities

■ Hinged front panel facilitates servicing and provides emergency access to chamber, steam generator and controls



■ Optional 30 kW steam generator performs “just like house steam” at all voltages



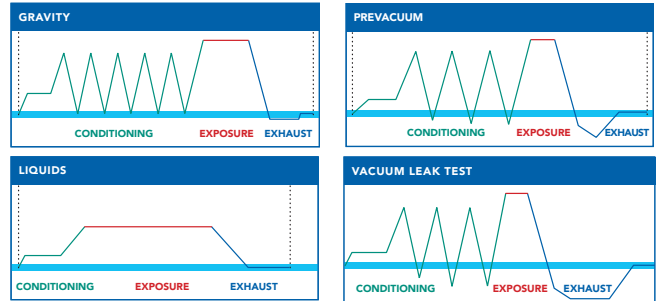
■ Optional foot pedal for hands-free operation

Options tailored to your needs

- Manual or power-door operation
- Cabinet mounted or recessed
- Single or double doors
- House steam supply or integral electric boiler
- Automatic boiler blowdown
- Stainless steel boiler or steam-to-steam generators
- Water saver package for up to 75% water savings (544LS only)
- Liquid RTD for liquid cycles
- Biologic sealing flange/cross contamination barrier

Permanent cycle documentation

Quick loading, thermal, paper recorder documents transition points, pressure and temperature, start time, date, sterilizer and cycle number.



Wide selection of standard and configurable cycles

422LS and 522LS Steam Sterilizers offer 12 cycles:

- 6 gravity cycles
- 6 liquid cycles

433LS and 533LS Steam Sterilizers offer 19 cycles:

- 6 gravity cycles
- 6 prevacuum cycles
- 6 liquid cycles
- 1 vacuum leak test cycle

544LS Steam Sterilizers offer 21 cycles:

- 5 gravity cycles
- 5 prevacuum cycles
- 5 liquid cycles
- 1 vacuum leak test cycle
- 3 effluent prevacuum cycles
- 2 effluent liquid cycles

Choice of loading equipment:



Racks and adjustable shelves



Load car and transfer carriage

400LS/500LS temperature selection guide

- 110°C (230°F) to 135°C (275°F) prevacuum/gravity
- 104°C (219°F) to 135°C (275°F) liquids

544LS temperature selection guide

- 110°C (230°F) to 135°C (275°F) gravity/vacuum/liquid
- 121°C (250°F) to 135°C (275°F) effluent cycles

Getinge Consumables

Ask about our complete line of biological indicators, chemical indicators/integrators and record-keeping systems to monitor your sterility assurance process.





Getinge provides complete solutions for effective and efficient cleaning, disinfection and sterilization in the healthcare and life science sectors. Our know-how comprises everything from architectural planning, production and handling equipment, to systems for full traceability of sterile goods. Our commitment covers expert advice, training and long-term technical support.

GETINGE

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GETINGE

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