

733LS-E SERIES STEAM STERILIZERS FOR LIFE SCIENCES



Safety without compromise



RAISE THE BAR ON PERFORMANCE

When you face increasing demands to provide quality care while keeping costs down, Getinge provides complete solutions to help you achieve these goals. When you need to process more research supplies in a shorter time, Getinge develops innovative new products to make this possible.

The Getinge 733LS-E Series is the newest edition of state-of-the-art sterilizers from the world's leading brand in infection control and contamination prevention. These steam sterilizers continue to perfect the efficient performance, superior productivity and reliability advantages you depend on from Getinge. Getinge 733LS-E Series Sterilizers are compact, versatile and reliable, combining high capacity with cost efficiency and environmental benefits.

- Ideal for laboratories and vivariums
- Exceptional safety and reliability built into all aspects of design and operation
- Validated with programs for both gravity and pre-vacuum cycles from 110°C to 135°C for hard goods and from 104°C to 135°C for liquids

Getinge's leadership in sterilization is based on over 60 years of accumulated experience, fused with skillful engineering, specialized technology, and application expertise. The result is a continuing series of leading-edge features, high-quality manufacturing, secure control systems and versatile software programs that raise the bar on sterilizer performance.



Our most important delivery is not machines.

It's our vision that supplies are always ready for use when needed; that the flow of sterile goods is safe, smart, efficient and ergonomic, and that your total cost is as low as possible.

GET BETTER PERFORMANCE BY DESIGN

Quality construction. Outstanding performance. Simplified operation.

Just one look will confirm that a Getinge 733LS-E Series Sterilizer is designed with safety, productivity and longevity in mind. It features a chamber and jacket constructed of 316L stainless steel – selected for its superior post-weld corrosion resistance.

Along with form comes great functionality and performance. The new 8.4" touchscreen display makes it easier than ever to custom name cycles for fast, accurate identification. The Getinge 733LS-E Loading Car provides increased loading capacity – up to 33% compared to older 24" x 36" sterilizers. It's an ideal choice for new construction or replacing older models, offering increased loading capacity within the same wall openings and footprints of many current units.

Rectangular chambers assure maximum loading area from the top to the bottom. Select from three chamber sizes with a standard cross-section of 26.5" wide x 36" high (672mm x 920mm); with lengths of 39" (1000mm); 53" (1350mm); and 61" (1550mm).

Type 316L stainless steel chamber, jacket and doors provide superior corrosion resistance and structural integrity – backed by Getinge's 15-year chamber warranty. This commitment to quality and uninterrupted performance is reflected in an industry-best one year parts and labor guarantee.

The reliability you expect from Getinge

- Chamber interior polished to a high-luster finish to reduce build-up of steam-water deposits
- Chamber and door constructed of 316L stainless steel
- Power operated door slides to clear head ring, then swings open for complete access
- Copper/brass piping standard; stainless steel piping optional
- Water-ejector vacuum standard; mechanical vacuum pump optional
- All components easily accessible for maintenance from front and side
- Clean, modern design helps ensure long-term aesthetic appeal for every work environment



TAKE TOTAL CONTROL OF YOUR STEAM STERILIZATION



Intuitive touchscreen control streamlines operations

Getinge 733LS-E Series Sterilizers feature the latest generation of user-friendly, high-resolution AVANTI technology touchscreens. The AVANTI's 8.4" touchscreen offers optimal ergonomics with a clear overview from all angles in the control area.

- Intuitive, simplified interface and menus
- Remarkably clear, distinct text – even when viewed from a distance
- Control panel includes –
 - AVANTI touchscreen
 - Intuitive user interface, the text is remarkably distinct, color graphics are vivid
 - Thermal printer with smooth, quiet operation
 - Chamber and jacket pressure gauges
 - Status indicator light
 - Controls on/off switch
 - Key lock insures all door power is disconnected when working in the chamber



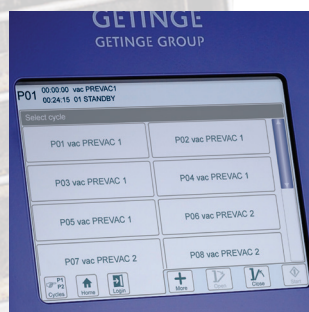
SELECT THE CYCLES AND CHAMBER SIZES TO MATCH YOUR NEEDS

Getinge 733LS-E Series Sterilizers offer cycles that employ either gravity/downward displacement with positive pulse conditioning for air removal – or pressure/vacuum pulsing for dynamic air removal. Typical applications include porous and non-porous hard goods, utensils, caging, bottles and liquids in self-venting or unsealed containers.

- Access up to 19 cycles in two easy steps
- 18 cycles can be assigned custom cycle names
- All cycles sequenced and monitored by PACS control system

The Getinge 733LS-E Series Sterilizer has a standard chamber cross-section of 26.5" wide x 36" high, and is available in three chamber lengths –

- 39" (1000mm) – 21.5 cu ft (616L)
- 53" (1350mm) – 29.3 cu ft (831L)
- 61" (1550mm) – 33.7 cu ft (955L)

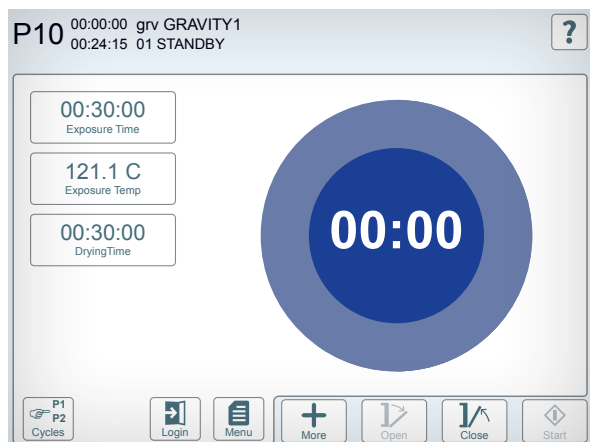


Factory cycles include:

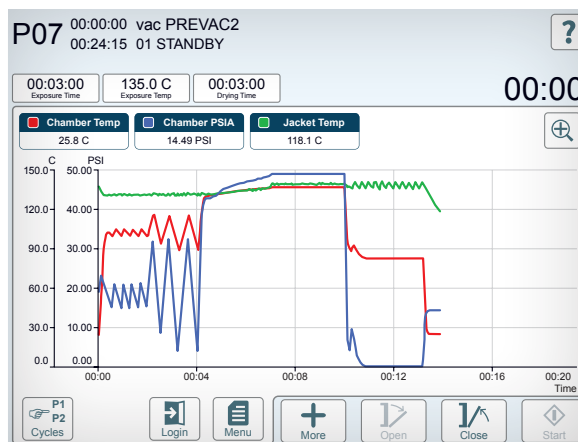
- 6 gravity cycles at 121°C (250°F)
- 6 prevac cycles at 121°C (250°F)
- 6 liquid cycles at 121°C (250°F)
- 1 vacuum leak test cycle at 131°C (268°F)

CUSTOMIZE YOUR 733LS-E STEAM STERILIZER

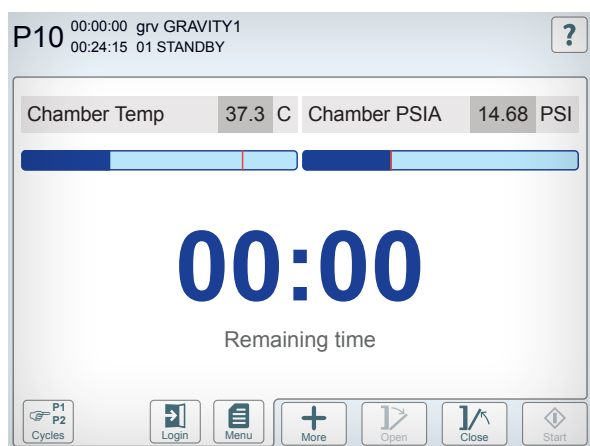
The large AVANTI 8.4" SVGA color display makes on-screen navigation, cycle selections and adjustments easier than ever. Custom name cycles for quick and accurate identification. Select from four cycle-process output data screens –



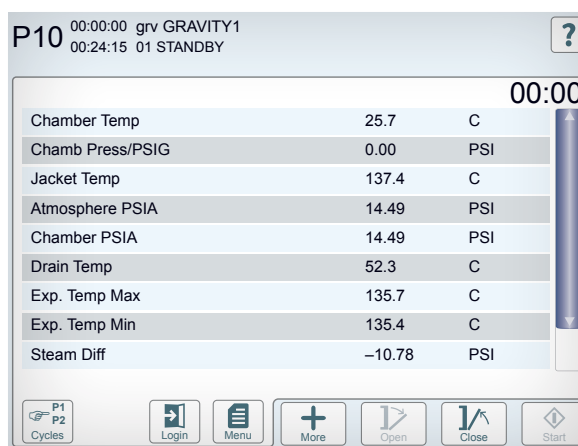
Circle Graph: Displays time remaining as a large easy-to-read circle graph



Plot Graph: Displays cycle temperature and pressure in a color graph plotted over time



Bar Graph: Displays temperature and pressure in a bar graph with large, easy-to-read time remaining in the center

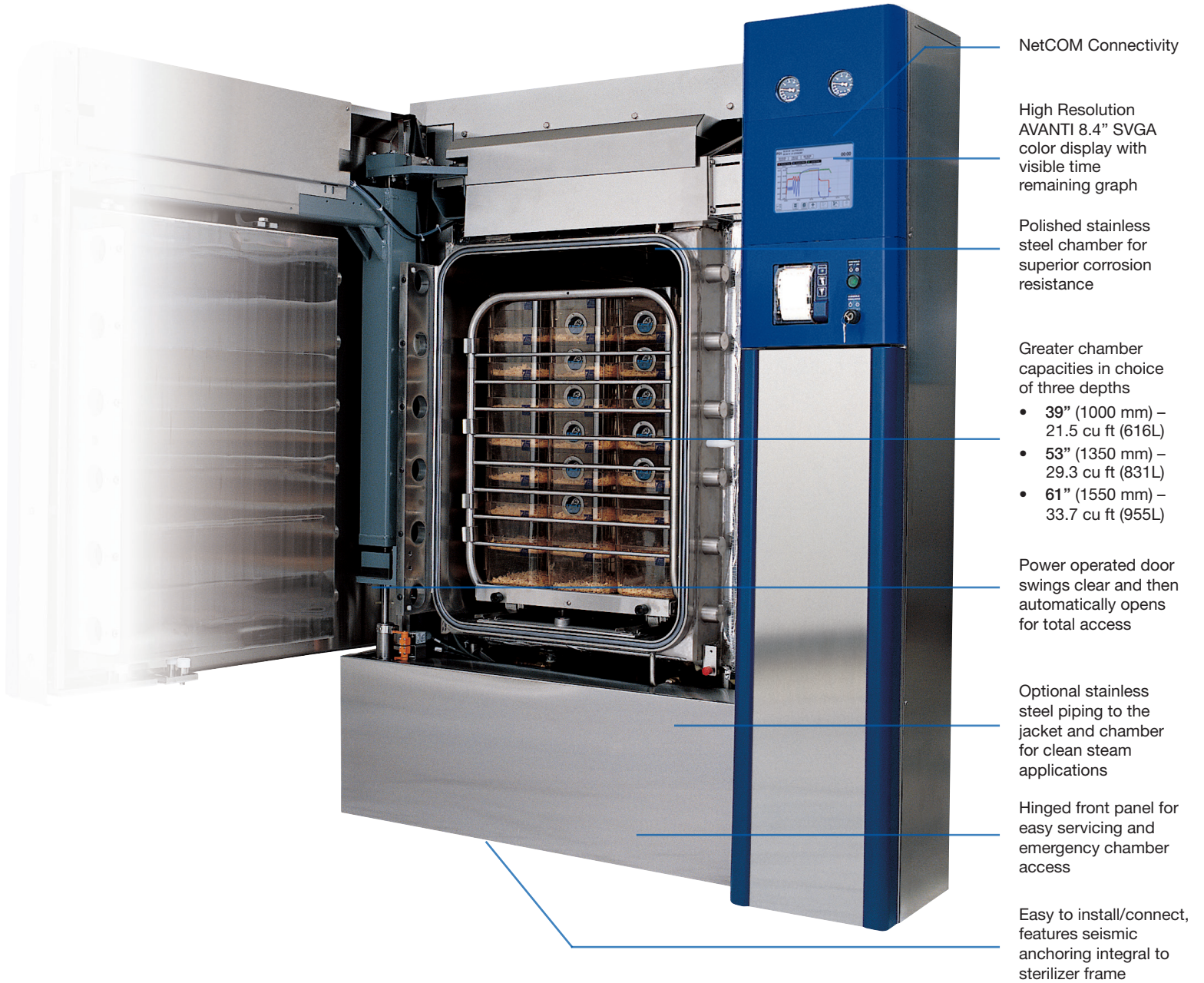


Detail Display: Displays real time process information in text form

AVANTI touchscreen interface advantages:

- Password protected menu tree
- Quick, on-screen editing of cycle parameters
- Text messages in lieu of codes or symbols
- Audible and visual feedback
- T-DOC instrument tracking interface capability
- User accessible connection for downloading cycle records to a USB flash drive, or directly printing to a USB printer
- NetCOM-enabled Ethernet connection for remote monitoring

DELIVER SAFETY WITHOUT COMPROMISE



NetCOM Connectivity

High Resolution AVANTI 8.4" SVGA color display with visible time remaining graph

Polished stainless steel chamber for superior corrosion resistance

Greater chamber capacities in choice of three depths

- 39" (1000 mm) – 21.5 cu ft (616L)
- 53" (1350 mm) – 29.3 cu ft (831L)
- 61" (1550 mm) – 33.7 cu ft (955L)

Power operated door swings clear and then automatically opens for total access

Optional stainless steel piping to the jacket and chamber for clean steam applications

Hinged front panel for easy servicing and emergency chamber access

Easy to install/connect, features seismic anchoring integral to sterilizer frame

BENEFIT FROM ECO-FRIENDLY DESIGN AND OPERATION

Getinge is constantly working to reduce the environmental impact of our steam sterilizers, without sacrificing quality, reliability or cycle times. The Getinge 733LS-E Series Sterilizer offers several systems to help reduce water consumption and save on energy and utilities.

Vacuum pump option

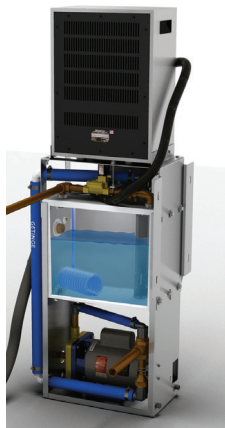
The water ejector provides a cost-effective, maintenance-free vacuum. The Getinge 733LS-E Series Sterilizer offers the option of mechanical vacuum pump for dynamic air removal of the chamber. The liquid-ring vacuum pump provides quick, efficient chamber air evacuation. Combined with a heat exchanger and a temperature regulated cooling system, the vacuum pump will pull a deep vacuum, resulting in faster cycle times with excellent drying results.

RTD sensors

- Control drain discharge temperature at less than 140°F (60°C)
- RTD sensors help conserve water by cooling the steam condensate effluent only when needed

Utilities control system

- Provides a seven-day timer for programmed startup and shutdown of the sterilizer
- When activated, the control system shuts off water and steam to the sterilizer to conserve energy



Vacuum ejector water-saver with water-chiller option

- Reuse up to 80% of vacuum ejector water depending on load and cycle parameters
- Connect water-saver to building chilled water loop to cool recycled ejector water



ACCESS INTEGRATED DATA SOLUTIONS VIA NETCOM



Getinge NetCOM inside

Getinge NetCOM is standard with Getinge 733LS-E Series Sterilizers and enhances the AAMI ST79 requirement for physical monitors. Physical monitoring is needed to detect malfunctions as soon as possible so that appropriate corrective actions can be taken. In addition to the integral thermal paper printed record, the factory installed NetCOM is set to record real-time cycle performance data to a USB port storage device (flash drive), where it can be retrieved at any time to print out selected cycle reports.



Get maximum uptime with Getinge Online

Getinge NetCOM provides the option to connect the Getinge 733LS-E Series Sterilizer to Getinge Online via Ethernet and your existing Internet connection. Web-based communication makes Getinge Online secure, easy to implement, and offers unsurpassed availability. Simply log on with a browser from your computer or smartphone – anywhere, anytime – and access real-time data and status for your Getinge equipment. Get notified when your sterilizer completes a cycle or encounters a process delay – via SMS/text or E-mail.



ACCESSORIZE FOR QUALITY ASSURANCE

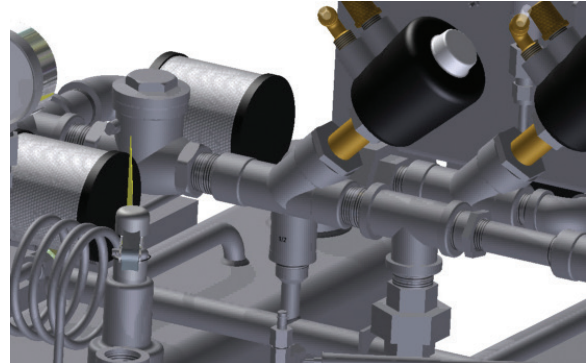


CONFIGURATION OPTIONS

- Recessed or Freestanding With Cabinet Package
- Single or Double-Door for Pass-Thru Operations
- Water-Ejector Vacuum or Vacuum Pump
- Stainless Steel Piping to Jacket and Chamber

LOADING ACCESSORIES

- Interior Rack With Extendable Shelves
- Removable Load Car With Transport Trolley



Clean steam construction

Getinge 733LS-E Series Sterilizer models can be fitted with stainless steel piping to the jacket and chamber for clean steam applications. Stainless steel piping allows the use of steam produced from treated water such as RO. High-quality steam can prolong instrument life.



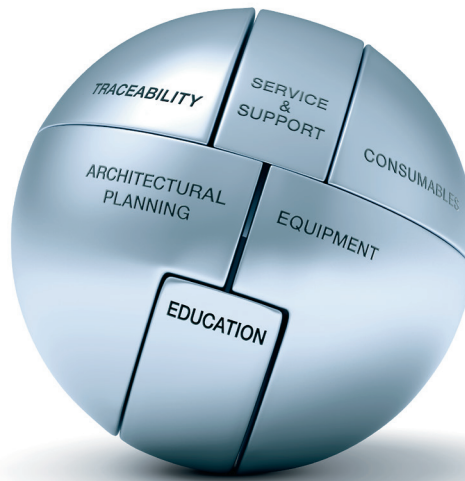
INSTALLATION, SERVICE AND SUPPORT

- National project management and installation at all levels
- Complete product IQ, OQ and PQ services
- Service contracts and life cycle technical support
- Performance optimization for maximum uptime performance
- Proactive remote online monitoring system



Getinge Consumables

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



FROM INSPIRATION TO INSTALLATION

Getinge specializes in early planning consultation and smart contamination prevention solutions for bio-pharmaceutical production, biomedical research, medical device manufacturing, laboratories and highly contaminated environments. Backed by more than 100 years of experience, global reach and the largest installed base for many equipment areas, we help our customers plan for maximum productivity in the most cost-efficient way. From logistics planning and premium equipment to unmatched service and training, count on Getinge – right from the start.

Getinge USA, Inc.

1777 East Henrietta Road
Rochester, New York 14623-3133
U.S.A.

Phone: 800.475.9040
Fax: 585.272.5033
info.northamerica@getinge.com

Getinge Canada Ltd

6685 Millcreek Drive, Unit 3
Mississauga, ON L5N 5M5
Canada

Phone: 905.363.4150
Fax: 905.363.4149
info.northamerica@getinge.com

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www.getinge.com

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