

# AMSCO<sup>®</sup> LSS

Life Science Large Steam Sterilizer





The AMSCO LSS Sterilizer is designed to process laboratory animal caging systems and associated equipment. The LSS incorporates several features to maximize productivity, provide flexibility, and ensure safety and reliability. The LSS was also developed with the sustainable laboratory in mind.

## PRODUCTIVITY

Whether the application is in a vivarium, where high throughput is needed, or a high containment lab where safety is the main concern, the AMSCO LSS is able to meet your requirements. Sizes range from 3.2 cubic meters to 8.5 cubic meters (or 111 cubic feet to 305 cubic feet), allowing for a full range of load sizes.

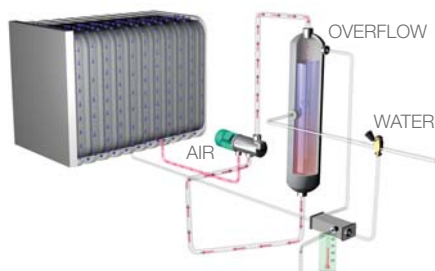
## SUSTAINABILITY

STERIS understands the importance of participating in the global effort of building sustainable laboratories. For this reason the AMSCO LSS comes with the following Energy and Water saving features:

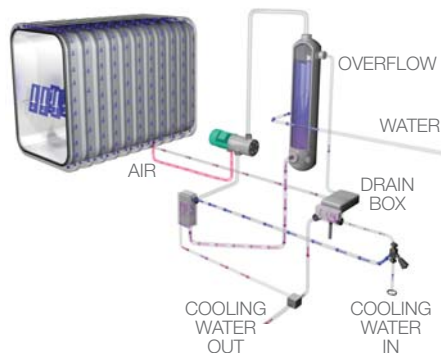
- Electronic Water Saving Control (standard)
- Automatic Utilities Startup/Shut Down (standard)
- Water Recycling Package (optional)
- Cooling Water Savings Package (optional)
- Closed Loop Cascade Jacket Cooling System (optional)

STERIS offers a wide range of accessories to accommodate various goods.

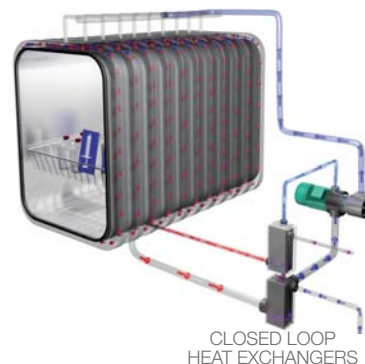




The Water Recycling Package utilizes only the amount of additional cold water needed to sustain a vacuum. Can save up to 50% water consumption depending on cycle parameters.



The Cooling Water Savings Package utilizes customer supplied tower or chilled water in a closed loop system to cool and recirculate vacuum pump seal water and cool the chamber effluents, which can provide water savings of up to 99% depending on cycle parameters.



Closed loop cascade jacket cooling system recycles steam condensate, cooling it through a closed loop heat exchanger and recirculating it over the chamber to assist in cool down during liquid loads.

## FLEXIBILITY

The diversity of applications in a typical laboratory animal research facility require flexible sterilization processes. Cycles include:

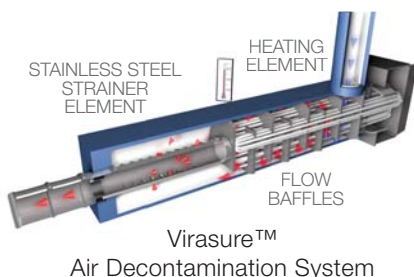
- Pre-Vacuum
- Forced Air Removal (gravity)
- Liquid Cycles (*Air-Over-Pressure with and without Jacket Cooling cycles also available*)
- Effluent Decontamination

The user friendly PLC control helps you easily operate the system, along with adjusting and monitoring critical system parameters. The control allows for up to 20 user defined cycles, giving you the flexibility to pre-configure cycles specific to your load requirements.



## FLEXIBILITY FOR HIGH CONTAINMENT LABORATORIES

- Fully welded BioSeal suitable for BSL 3 & 4 applications
- Decontamination Cycles using either 0.2 micron filter or Virasure™ Air Decontamination System



AMSCO LSS can be manufactured to integrate STERIS VHP® process technology, which utilizes vaporized hydrogen peroxide to biodecontaminate heat and moisture sensitive devices.





## RELIABILITY

Reliability is a key requirement for any busy laboratory or animal research facility. With STERIS, Reliability starts in our ISO 9001 certified factory with a rigorous final inspection at our state-of-the-art testing facility.

In the LSS line, STERIS has combined a proven design with precision engineering and durable construction to provide long lasting performance.

- 316L stainless steel chamber construction with 304L Stainless Steel full jacket for long life and excellent performance
- Commercially available, reliable components for maximum uptime
- Commercial, industrial-grade programmable logic controllers (PLC) from Allen-Bradley® provide established reliability and ease of maintenance\*

*\*Allen Bradley is a registered trade mark of Rockwell Automation*



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## About STERIS Corporation

STERIS Corporation is a leading provider of infection prevention and surgical products and services, focused primarily on critical healthcare, pharmaceutical and research markets around the world. The Company supplies a broad array of equipment, consumable and service solutions that help assure productivity and quality. For more information, visit [www.sterislifesciences.com](http://www.sterislifesciences.com)

STERIS has a comprehensive offering of Washing and Sterilization Systems, Room Biodecontamination equipment and services, along with detergents, disinfectants, skin care products, and sterility assurance products that support your needs.

## STERIS Life Sciences Group Service

Delivering world-class support where you operate, STERIS Life Science Group Service offers the following services:

- Biodecontamination
- Preventative maintenance programs
- Replacement parts
- Calibration
- IQ/QQ
- Cycle development
- other services upon request