

The Amsco® Century® Steam Sterilizers

Outstanding Productivity for Research Environments



Sized to Meet Your Needs

Performance for Today's Research Laboratories

Amsco Century steam sterilizers bring productivity, efficiency, and safety to sterilization in research and comparative medicine labs. They offer the high quality and outstanding performance that scientists around the world have come to expect from STERIS — with a range of sizes and features to fit a variety of laboratory needs.

The Amsco Century Medium 26" x 26" Steam Sterilizer

The Amsco Century 26" x 26" provides efficient sterilization of glassware, media prep, and utensils in the research lab. This model offers:

- > The 26" x 26" is offered with chamber lengths of 39", 49", or 61" (410, 560, and 750 liters)
- > Easy-to-read chamber and jacket pressure gauges



The Amsco Century Medium 26" x 26" [66] Steam Sterilizer



The Amsco Century Medium 26" x 37.5" Steam Sterilizer

This sterilizer provides the capacity you need for handling higher volume sterilization — accommodating equipment as large as animal cages.

The 26" x 37.5" is offered with chamber lengths of 36", 48", or 60" (575, 767, and 960 liters)



The Amsco Century Medium 26" x 37.5" [69] Steam Sterilizer is available with an easy-opening, quick-turn handle

Multiple Door Options

Choose from a variety of single or double door configurations to fit your lab's specific needs.

- > Power vertical sliding doors for efficient use of laboratory space (available on 26" x 26" chamber size)
- > Hinged door with a manual, quick-turn handle—opened with just a single, 30° handle movement (available only on the 26" x 37.5" model)
- > Horizontal power sliding door with a quiet, motor-driven cable and pulley mechanism (available on the 26" x 37.5" model)

Quality and Dependable Design

State-of-the-Art Control Systems

Our innovative Century Stage IV process control system allows you to easily reprogram cycle configurations as well as system features like unit display (metric or U.S.), print format, operator access codes, and audible signals. Other features include:

- > Continuous cycle monitoring and control
- > User-friendly color touch screen with a large, easy-to-read display, complete messages (no codes), help screens, programming prompts, and single-button operation
- > Continuous service diagnostics
- > Clear, easy-to-read, non-fading impact printer

Rugged Construction for Long-Term Use

The STERIS high-quality manufacturing process is designed to meet the demanding standards of lab operations around the world. That's why Century sterilizers include features like:

- > Chambers, jackets, and doors constructed of 316L stainless steel
- > Fully jacketed chambers for even temperature distribution
- > Loading car and transfer carriage as standard or optional racks and shelves on selected sizes

Easy Servicing and Maintenance

We know your lab time is best used for research — not for repair and maintenance of your sterilization equipment. To reduce your downtime to an absolute minimum, the Amsco Century Medium includes:

- > Modularized piping with fewer component connections to reduce and simplify maintenance
- > Complete message service diagnostics (no codes) provided by the Century Stage IV Control system
- > Unique door seal that never needs lubrication (protected by a two-year warranty)
- > Emergency manual exhaust that allows the operator to vent the chamber and save the product in case of power outage

The STERIS Difference

Safety by Design

At STERIS, we commit ourselves to the safety of our customers. That's why the Amsco Century Medium uses water level sensors to alarm, abort, and vent at the first sign of liquid build-up. Other safety features include:

- > Touch-sensitive, force-limiting system on power sliding door to protect against operator injury during loading and unloading
- > Insulated door cover to protect against burns
- > Easily accessible emergency stop button
- > Pressure relief valve to ensure that the rated pressure in the vessel is not exceeded
- > Control lockout switch on the chamber door that monitors door seal pressure at the start of and during operation



Comprehensive STERIS Service

When it comes to choosing service for your support equipment, today's marketplace offers you no shortage of choices. At STERIS, we've established a reputation for delivering the industry's most dependable and comprehensive service. Our well-documented, custom programs will properly maintain your equipment, delivering the operational uptime and service life you count on to make the most of your investment.

Flexibility and Efficiency



The Century Stage IV process control system provides several flexible cycle configurations, touch screens, and clear, easy-to-read diagnostic printouts.

Resource-Maximizing Features

STERIS understands that space, time, and utilities are extremely valuable commodities for today's research labs. We've given Amsco Century steam sterilizers features that help you make the most of your resources:

- > Highly efficient vacuum pump system for reducing water consumption
- > Automatic utilities start-up and shut-down to conserve steam, water, and electricity
- > Preprogrammed air leak and air removal test cycles to save process time by ensuring the proper functioning of the pressure vessel and piping
- > Full factory testing and complete pre-installation details for fast, efficient start-up
- > Electronic water saving control with a condenser RTD to reduce the amount of water used in condensing the exhausted chamber steam



Highly Flexible Cycle Configurations

Efficiency demands that you fine-tune the sterilization process to your specific needs based on temperature, volume, materials, and time. Since each load configuration calls for different processes, the Century line offers several cycles with fully adjustable parameters:

- > Prevacuum Cycle—for efficient, high-volume processing of heat- and moisture-stable materials from 121°C to 138°C
- > Gravity Cycle—for sterilization of nonporous heat- and moisture-stable goods and decontamination of supplies from 100°C to 138°C
- > Liquid Cycle—for sterilizing liquids and media in borosilicate glass with vented closures from 100°C to 123°C. (Includes optimized solution cooling that automatically controls exhaust rate, safely cooling liquids with minimal loss)



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