

**Open the Door to  
Increased Productivity  
and Cost Efficiency**

Amsco® Century®  
Medium Steam Sterilizers



STERIS®  


## The Family of Sterilizers Designed for Productivity, Versatility, and Efficiency

Amsco Century Medium Steam Sterilizers are designed for fast, efficient sterilization of heat- and moisture-stable materials in central sterilization departments. Their state-of-the-art features help you achieve greater throughput and lower operating costs than ever before.

From a practical standpoint, you won't find more options and configurations, facilitating system customization to meet your specific requirements. Choose from a variety of chamber sizes, door types, and cycle configurations for unmatched flexibility. We've even designed our new, efficient medium sterilizers with the same footprint as previous models—so they'll fit into your existing space.

You also get cost-effectiveness that lasts. Superior durability for reduced downtime and exceptional longevity. Features that cut costs and save resources. And design characteristics that promote personnel efficiency.

Here's how upgrading your sterilizers can help make your department the best it can be.

### Efficient Use of Department Resources

The Amsco Century family of sterilizers gives you increased choices, maximum flexibility, and more capability to handle high-volume sterilization as efficiently as possible.

- > Unique elliptical chamber allows for larger capacity loads to maximize throughput and reduce the number of processing cycles needed each day.
- > Available in three chamber lengths to enable high-volume processing of the largest sterilization trays and packs to optimize throughput.
- > A 26 x 26" model has a smaller footprint, making it ideal for smaller facilities or satellite sterilization departments.
- > Multiple door and installation options assure the right configuration for your floor plan—power or manual operated doors, single or double access, left or right opening, recessed or freestanding units.
- > Standard pre-programmed cycles including gravity, prevacuum, liquid, leak test, Bowie-Dick test, and our exclusive time- and cost-saving Steam Flush Pressure Pulse (SFPP) option.





*Choice of models with manual hinged door or power doors in vertical and horizontal configurations.*



## **Durability and Long Life**

Rugged design reduces maintenance, repair, and replacement costs.

- > Chambers, jackets, and doors are 316L stainless steel—the proven industry standard.
- > Unique chamber construction with robotic welding results in fewer areas for weld fatigue.
- > Exclusive long-life door gasket requires no lubrication.
- > Patented manual hinged door is designed with fewer mechanical parts to reduce service calls and downtime.



## Improved Logistics and Safety

Amsco® Century® Medium Steam Sterilizers are designed to decrease user effort while maintaining sterilization efficacy and a safe working environment.

- > Hinged doors feature a patented one-handed, low-effort handle locking mechanism.
- > Power sliding doors are easily controlled via touch screen.
- > Compatible with existing loading cars to ease transfer and conserve department space.
- > Control Lockout feature prevents operation without proper door seal.
- > Multiple programmable cycles allow you to customize processing according to the load.
- > A Chamber Float Switch activates an alarm, aborts the cycle, and safely vents the chamber with a controlled exhaust if excessive condensation due to boiler malfunction is detected.
- > A Pressure Relief Valve prevents excessive pressure buildup.
- > Resistive Thermal Detectors (RTD) throughout the sterilizer control temperature variations within the chamber and jacket space.

## Long-term Operating Cost Efficiency

You get the best return on your sterilizer investment when you choose from the Amsco Century family of sterilizers. And durability and long life are just the beginning.

- > New elliptical chamber design in the 26 x 37.5" models provides improved chamber strength and more even distribution of steam and pressure.
- > Highly efficient vacuum pump technology reduces water consumption and provides consistent drying time.
- > Automatic utilities startup/shutdown feature conserves electricity and water.
- > Electronic water-saving device reduces amount of water needed for condensing steam during exhaustion.

## More Efficiency with Exclusive SFPP

The patented Steam Flush Pressure Pulse (SFPP) cycle option will enhance your system reliability and potentially save thousands of dollars each year in operating costs by eliminating the need for a Bowie-Dick air-removal test.

- > A series of steam flushes and pressure pulses rapidly removes air from sterilizing chamber and wrapped items.
- > Conditions the load above atmospheric pressure so air leaks cannot affect the sterilization process.
- > Assures that no air is drawn back into chamber through potential plumbing or gasket leaks.
- > Eliminates the expense of test materials, time, utilities, and direct labor costs to run Bowie-Dick test cycles.



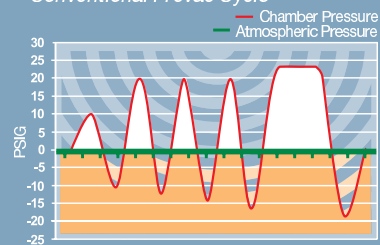
*Our manual door lock mechanism on hinged-door models requires minimal effort.*



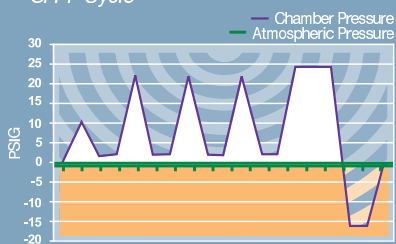
*Elliptical chamber allows for flexible load configurations and maximum capacity.*



*Conventional Prevac Cycle*



*SFPP Cycle*



*During a conventional prevac cycle, conditioning is accomplished through a series of steam purges and chamber evacuations during which chamber pressure falls below atmospheric, increasing susceptibility to possible air leaks. During an SFPP cycle, pressure is maintained above atmospheric throughout conditioning to assure that no air can be drawn back into the chamber.*

### Typical Savings with a New Amsco Century Medium Sterilizer

	60" Century w/SFPP	Previous Generation	Savings
<b>Cycles/Day*</b>	9	17	8
<b>Cost Per Day</b>			
Utilities**	\$9.04	\$19.69	\$10.65
Bowie-Dick test	0	4.68	4.68
<b>Total Daily Savings</b>			<b>15.33</b>
<b>Total Annual Savings (250 Operational Days)</b>			<b>\$3,832.50</b>

Cost model based on 26 x 37.5 x 60" chamber

\*Processing 100 large instrument containers per day

\*\* Water, steam, and electricity

## Shorter Training and Effortless Use

Easy-to-learn and simple-to-use control systems allow your staff to make the most of their time.

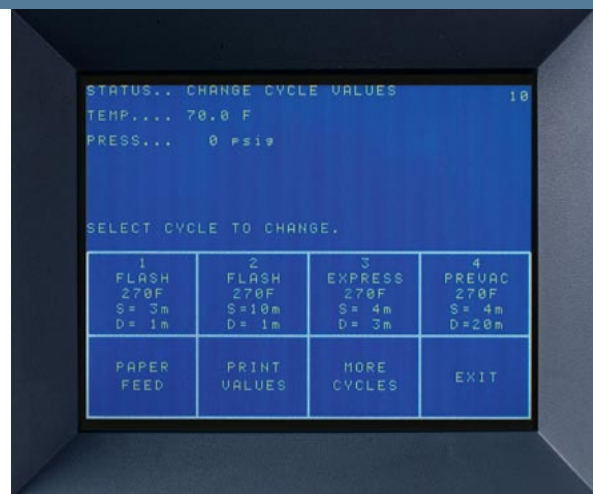
- > Touchscreen-operated control panel with programmable interface.
- > Color touch screen display features a wide viewing angle and assures easy visibility in virtually any lighting condition.
- > All messages are in full text and complete phrases to eliminate decoding headaches.
- > Flexible operating parameter display with temperature in °F or °C, pressure in psig/in. Hg or BAR, and time in 12- or 24-hour.
- > Selectable volume for audible alarms.
- > Help screens and troubleshooting guide, programmable in five languages, prompts users quickly.
- > RS 232 port with available interface enables easy data transfer to electronic record-keeping systems.
- > Control system monitors cycles continuously and automatically records program and cycle data.
- > Internal battery backs up all cycle memory for up to 10 years.
- > Security access codes prevent programming changes that could compromise sterility.



*Control system is highly accessible and includes an impact printer with take-up spool, adjustable print format, and non-fading paper for superior record keeping.*



*Status Menu screen allows you to change a wide variety of functions.*



*Cycle values are easily adjusted on the Change Values screen.*



Easy-to-read Startup Menu allows you to quickly select a preprogrammed cycle.

STATUS.. DOOR CLOSED  
TEMP.... 70.0 F  
PRESS... 0 Psi

1	2	3	4
FLASH 270F S= 3m D= 1m	FLASH 270F S=10m D= 1m	EXPRESS 270F S= 4m D= 3m	PREVAC 270F S= 4m D=20m

1:13:41 PM 2/06/04

PAPER FEED	MENU	MORE CYCLES	STANDBY
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STATUS.. PULSE 3  
TEMP.... 253.3 F  
PRESS... 23 Psi

CYCLE... 4, PREVAC, 270F, S= 4m, D=20m

PROJECTED CYCLE COMPLETION TIME:

**33:21**

MINUTES SECONDS

PAPER FEED STATUS PRINT ABORT

Countdown time is boldly displayed on the Cycle-in-Progress screen.

STATUS.. **ALARM** 205  
TOO LONG IN CHARGE

CHAMBER: 70.0 F 0.0 Psi

STERILIZER WILL:  
\* AUTOMATICALLY TRY TO COMPLETE CYCLE

OPERATOR INSTRUCTIONS:  
1. SILENCE ALARM  
2. CHECK STEAM SUPPLY VALVE  
-> IF CLOSED, OPEN VALVE  
3. IF ALARM RECURS, CALL SERVICE

SILENCE SERVICE  
ALARM STATUS PRINT PAPER FEED HELP

Step-by-step Procedure and Help screens prompt you through all operations.

STERIS SERVICE MODE!  
INPUT/OUTPUT STATUS 1:19:12 PM 330

CHAMBER PRESSURE = 0.0 Psi  
CHAMBER TEMP = 70.0 F  
JACKET TEMP = 200.0 F  
WASTE TEMP = 200.0 F

C=CLOSED O=OPEN

S01 OFF	S02 OFF	S03 OFF	S04 OFF
S07 OFF		S09 OFF	S16 OFF
S35 OFF	S36 OFF	S37 OFF	S38 OFF
S40 OFF		AUS OFF	

OPEN DOOR

STATUS PRINT  
SERVICE MAIN MENU

Fast troubleshooting is accomplished through Service Diagnostic screens.

## Meet the Unique Demands of Your Sterile Processing Department

Get easy implementation from the word go. Our expert team is ready to help you get the sterile processing system that's exactly right for your department. Choose from a broad selection of models and flexible configurations.

- > Manual hinged-door or horizontal power-door models with high-capacity elliptical chamber.
- > Vertical power-door model with high-capacity cylindrical chamber.
- > A choice of three chamber lengths: 36, 48, or 60" (910, 1220, or 1520 mm).
- > Hinged-door model can be configured to open either right or left.
- > Models above 36" in length may be designed with double doors to accommodate pass-through.
- > Available for recessed or freestanding installation.



*Amsco Century Medium Sterilizer  
with Horizontal Power Door,  
26 x 37.5" (660 x 950 mm)*

*Amsco Century  
Medium Sterilizer with  
Vertical Power Door,  
26 x 26" (660 x 600 mm)*

*Amsco Century Medium Sterilizer  
with Hinged Manual Door, 26 x 37.5"  
(660 x 950 mm)*

## Learn more about Amsco® Century® Medium Steam Sterilizers

Contact your STERIS Account Manager to find out how a new sterilizer can help streamline your operations and save you money over the course of its long service life.

### STERIS OFFICES WORLDWIDE

Benelux	32 2 523 2488	Korea	82 2 517 1517
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Germany	49 2203 890 6969	Spain	34 91 658 5920
India	91 33 2367 5150	Sweden	46 8 594 60 550
Italy	39 02 2130341	Switzerland	41 32 376 0200
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Technologies to Prevent Infection and Contamination™



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