AMSCO® Evolution® Steam Sterilizer

- Processes up to twenty, 25lb trays in each cycle
- Elliptical chamber provides maximum capacity & productivity
- Optimize heating and minimize condensation with the fully jacketed chamber

Description

AMSCO® Evolution® Steam Sterilizers provides for efficient sterilization of heat- and moisture-stable materials used in healthcare facilities. This autoclave provides high-performance, high-capacity steam sterilization for a broad mix of instrument sets and medical devices.

How Does the AMSCO® Evolution Medium Steam Sterilizer Work?

The AMSCO Evolution Medium Steam Sterilizer unique chamber shape promotes even pressure and heat distribution within the autoclave. The fully jacketed chamber optimizes even heating and minimizes condensation through every sterilization cycle to reduce the possibility of residual moisture.

Evolution Steam Sterilizers are configured with prevacuum, gravity, liquid, and all applicable test cycles including Steam Flush Pressure Pulse (SFPP) which saves time and operating costs by eliminating the need for Bowie-Dick testing.

Optimize your workflow by processing up to twenty, 25lb trays per cycle in the 66” unit.

Why Choose the AMSCO Evolution Medium Steam Sterilizer?

The 26”- wide chamber opening facilitates easy loading and processes each load with minimal steam consumption saving on operating costs. Ideal for Sterile Processing Departments (SPD) looking to maximize trays processed, the 26 x 37.5” (660 x 953 mm) or 26 x 26” (660 x 660 mm) chambers provide efficient, high-volume processing of sterilization containers, trays and packs. Additional features include:

- Manual hinged door available with easy-open locking mechanism
- Automated horizontal or vertical door opening with auto-stop safety feature
- Industry’s only 2 Year warranty on the non-lubricated, steam activated gasket
- Easy-to-align loading system eliminates operator handling of hot loads
- Available with copper, brass or stainless-steel plumbing for clean steam

Manual Loading/Unloading System

- Eliminates operator handling of hot loads
- Low profile docking mechanism for easy alignment

Automated Loading/Unloading System

- Enhances operator safety
- Improves efficiency

Reduce Water Consumption with STERI-Green®

Water Saving Systems

Add STERI-Green® or STERI-Green® Plus to the Evolution Steam Sterilizer and dramatically cut water usage.

- STERI-Green: Reduces Water Consumption up to 35%*
- STERI-Green Plus: Reduces water consumption up to 99%*
- Supports LEED certification for your facility
- Recycled water never comes in contact with processed sterile goods
- Fits within the frame of the sterilizer

*Compared to processing a 500-lb. load in a standard AMSCO Evolution Steam Sterilizer

Sterilizer Chamber Size and Volume
All autoclave models can be recessed in the wall or fully enclosed in a cabinet. Evolution sterilizers are available with manual hinged or fully automated door operation. Contact Us to discuss specifics about your project.

Utility Requirements
For complete autoclave utility requirements please see the Tech Data sheet on the Literature Tab. Hospitals can choose to either use facility steam, or a fully integrated steam generator. Utility requirements for the AMSCO Evolution Steam Sterilizers vary based on the specifications of the unit.

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<table>
<thead>
<tr>
<th>HINGED DOOR</th>
<th>HORIZONTAL AUTOMATIC DOOR</th>
<th>VERTICAL AUTOMATIC DOOR</th>
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<tbody>
<tr>
<td><strong>CHAMBER SIZE</strong></td>
<td><strong>CHAMBER SIZE</strong></td>
<td><strong>CHAMBER SIZE</strong></td>
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<tr>
<td>Oval Shaped</td>
<td>Oval Shaped</td>
<td>Round Shaped</td>
</tr>
<tr>
<td>26” x 37.5” x 42”</td>
<td>671.12 liters</td>
<td>26” x 37.5” x 42”</td>
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<tr>
<td>26” x 37.5” x 54”</td>
<td>862.96 liters</td>
<td>26” x 37.5” x 49”</td>
</tr>
<tr>
<td>26” x 37.5” x 66”</td>
<td>1054.17 liters</td>
<td>26” x 61”</td>
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Biological Indicators and Challenge Packs

VERIFY® Assert™ Self-Contained Biological Indicator
Provides final read within 40 minutes of incubation

VERIFY® Assert™ STEAM Process Challenge Device
For routine monitoring, qualification, and load monitoring of dynamic air removal cycles (LCB032/LCB033) and gravity cycles (LCB043)

View all Biological Indicators and Challenge Packs

Reusable Test Packs

VERIFY® All-in-One STEAM Reusable Test Pack
Designed to challenge vacuum assisted steam sterilizers operating at 270°F for a 4-minute exposure

View all Reusable Test Packs

Air Removal Tests

VERIFY® Bowie-Dick Test Pack
Unique failure patterns of the test can point out potential issues, helping to get your sterilizer up and running quickly

Dart® Daily Air Removal Test
Best-in-class and sensitive Air Removal test (Bowie Dick Test) to detect residual air

View all Air Removal Tests

Chemical Indicators and Challenge Packs

VERIFY® STEAM Integrating Indicator
Seamlessly incorporates three critical variables of steam sterilization: steam, time, and temperature

VERIFY® STEAM Integrating Indicator 5CM
Reduces risk of releasing a non-sterile load before the corresponding biological indicator result is known

View all Chemical Indicators and Challenge Packs

Chemical Indicator Tape

VERIFY® Steam and EO Tapes
Verify steam and ethylene oxide (EO) tapes adhere to both natural and synthetic materials commonly used in sterile processing.
**Literature**

![Adobe Acrobat Reader required](Image)

**BROCHURE**

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<td>EVOLUTION STEAM STERILIZER BROCHURE (PDF ONLY)</td>
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<td>M4036EN</td>
<td>STERI-GREEN AND STERI-GREEN PLUS WATER SAVERS BROCHURE</td>
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<td>AMSCO STEAM STERILIZER FAMILY BROCHURE</td>
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**SELL SHEET**

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**TECHNICAL BULLETINS**

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<td>STERIS STEAM STERILIZATION CLEANING PROCEDURE</td>
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**TECHNICAL TIPS**

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<td>M4155</td>
<td>GUIDE TO STEAM STERILIZATION CYCLES - STEAM FLUSH PRESSURE PULSE</td>
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<td>M4154</td>
<td>UNDERSTANDING THE COMPLEMENTARY ROLES OF AIR REMOVAL (BOWIE-DICK), LEAK AND BIOLOGICAL TESTING IN STEAM STERILIZATION</td>
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<td>M4092</td>
<td>GUIDE TO OPTIMAL STEAM GENERATION</td>
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<td>M4093</td>
<td>GUIDE TO STAINLESS STEEL CORROSION REMOVAL</td>
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**Replacement Parts**

**Genuine STERIS Parts for Your STERIS Steam sterilizers**

By choosing genuine STERIS OEM replacement parts, you can be assured each part is chosen based on the highest quality standards to ensure your equipment functions at its best. STERIS's OEM replacement parts promote compliance with regulatory requirements and organizational standards on equipment maintenance and repair.

**Related Products**

**Sterility Assurance and Monitoring**
VERIFY® Assert Self-Contained Biological Indicator
- Provides final read within 40 minutes of incubation
- For routine monitoring, qualification and load monitoring

VERIFY® STEAM Integrating Indicator
- Incorporates three critical variables of steam sterilization: steam, time and temperature
- Reduces risk of releasing a non-sterile load before the corresponding BI result is known

VERIFY® Bowie-Dick Test Pack
- Consists of a series of air removal and steam penetration barriers
- Advanced technology in thermochromic ink formulation can aid in the detection of steam quality issues

Printer Paper and Ink

Printer Paper Rolls
- Box of 3 printer paper rolls

Printer Ribbon
- Box of 2 cartridges

Other Steam Sterilizers

AMSCO® C Series Certified Pre-Owned Small Steam Sterilizer
- Certified, Preowned
- Available in Prevacuum or SFPP configuration

AMSCO® 400 Small Steam Sterilizer
- Validated for 25 lb. sets
- Accommodates larger bariatric and orthopedic devices

AMSCO® 400 Medium Steam Sterilizer
- Processes up to 375 lbs. of instruments
- AAMI ST-8:2008 compliant

AMSCO® Evolution® Floor Loader Steam Sterilizer
- Processes up to 625 lbs of instruments
- STERI-GREEN PLUS® reduces water consumption to 1 gal/cycle

Sterile Processing Department Equipment

Sterile Processing Department Accessories
- Prep and pack tables
- Steam sterilizer loading equipment
- Stainless steel transportation carts

Washing and Decontamination Systems
- Washer/disinfectors
- Ultrasonic cleaners
- Hospital cart washers
- Decontamination sinks

V-PRO® Low Temperature Sterilization Systems
- For terminal sterilization of heat- and moisture-sensitive devices
- Plasma-free process allows maximum use of chamber volume

SYSTEM 1® Liquid Chemical Sterilant Processing System
- For safe and effective reprocessing of heat-sensitive critical and semi-critical devices
- Rapid 23-minute cycle
Steam Sterilization CE Courses and Educational Resources

CE Courses

- **Steam Sterilization: Basic Principles**
  2.5 CE Hours

- **Understanding Steam Sterilization Study Guide**
  1.0 CE Hours

- **The Hot Issue of Immediate Use Steam Sterilization Study Guide**
  1.0 CE Hours

- **Moisture Assessment: It's More Than Just Wet Packs**
  2.5 CE Hours

Other Educational Resources

- **Complementary Roles of Bowie Dick, Leak, and Biological Testing in Steam Sterilization**

- **Guide to Stainless Steel Corrosion Removal**

- **Guide to Steam Sterilization Cycles - Steam Flush Pressure Pulse**

- **Guide to Optimal Steam Generation**
**Service Manual**

**AMSCO Evolution Steam Sterilizer**
Maintenance Manual

**Service Training Courses**

**Classroom Training for AMSCO Evolution Steam Sterilizer**

**On-Site Training for AMSCO Evolution Steam Sterilizer**

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**Water Quality for Reprocessing:**
The Source Matters

**Wet Pack Toolkit:**
Troubleshooting workbook, preparation and packaging best practices, and more