

STEAM STERILIZER

**A New Shape.  
A New Standard.**

The Amsco® Evolution™  
Steam Sterilizer

 **STERIS**



## AN EVOLUTIONARY ADVANCE IN STERILIZER CONTROL

The difference in Evolution's controls is obvious, even from across the room. The end results – improvements in efficiency and productivity – will be just as clear.

A dramatic redesign of Evolution's controls and displays includes crystal clear, high-resolution graphics and an Ethernet-enabled PC control. With one touch, operators can begin to learn it and put the control to work.

Look forward to Evolutionary differences in your Sterile Processing Department with greater throughput, reduced downtime and improved efficiency.

Sterilizer settings are easily customized according to department needs



One-touch control display at ergonomic height

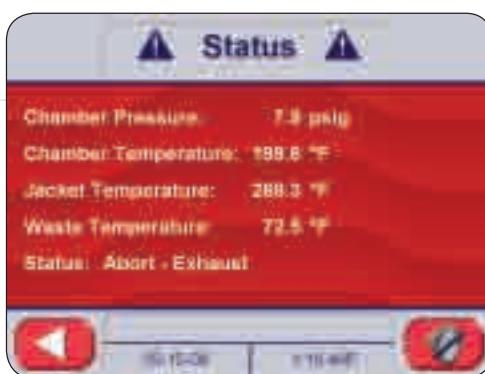




Password protected, operator adjustable cycle parameters



Large "time remaining" display is visible from across the department



Bold color graphics clearly indicate cycle phase and status

Large "time remaining" display is visible from across the department

**Amsco Evolution's new advanced control technology yields significant benefits now and for the future:**

#### Productivity and efficiency

- > Large 8.4" touch screen - high resolution graphics
- > Intuitive navigation
- > Multi-lingual
- > Front mounted temperature and pressure gauges

#### Connectivity and cycle documentation compliance

- > On-board permanent ink printer
- > Instrument tracking system interface
- > Proactive remote monitoring system

#### High performance

- > Precision control – consistent, reliable processing
- > 12 programmable cycles – gravity, prevacuum, liquid and optional steam flush pressure pulse (SFPP)
- > Faster, deeper vacuum – improved conditioning and drying



Elliptical chamber provides maximum capacity for maximum productivity



## AN EVOLUTIONARY ADVANCE IN FORM AND FUNCTION

Open the door and look inside. This is where Amsco Evolution's unique shape really shines, providing consistent quality, reliability and productivity beyond other chamber designs.

Evolution's inherently strong round or elliptical form promotes even pressure distribution within the chamber. The 26" wide chamber opening facilitates the loading of wide instrument sets and the processing of large volumes of instruments with minimal steam consumption. The fully jacketed chamber promotes even heating and minimizes the formation of excess condensation. Evolution's steam activated gasket lessens the possibility of air entering the chamber, helping to ensure safe, efficacious processing for your patients.

Staff safety and productivity are enhanced with the new Evolution loading system and patented door lock system. The self-aligning transfer carriage makes loading effortless and the loading car nearly doubles instrument processing capacity compared to previous generation sterilizers. Operator contact with hot load contents is virtually eliminated and the low-effort door lock opens in seconds.

With a unique form, which improves function and helps to reduce operating costs over time, Evolution is an advance worth looking into.



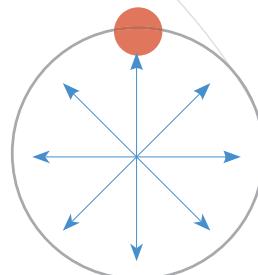
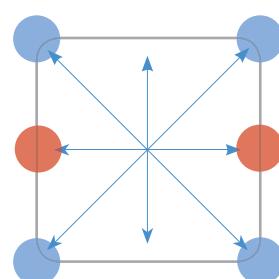
Round chamber provides strength, durability and efficiency



One-piece door gasket requires no lubrication and is warranted for two years

**Evolution eliminates the stress points associated with 90° bends in chamber metal.**

**Inherently strong shape promotes even pressure distribution.**



**Amsco Evolution's unique features combine to optimize functionality and create maximum value for healthcare facilities and patients alike.**

#### Quality

- > Corrosion resistant, solid 316L stainless steel construction – chamber and jacket
- > Fewer welds – less metal fatigue
- > Fully jacketed – less internal condensation

#### Productivity and efficiency

- > Wide chamber
- > High capacity loading

#### Staff and patient safety

- > Easy open doors
- > Ergonomic loading equipment
- > Steam activated gasket

#### Productivity Comparison

Sterilizer	Chamber Size	Trays per Load	Lbs. per Tray	Lbs. per Load*
Evolution	66"	20	25	500
Previous Generation	60"	15	17	255

\*Validated load weight



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

## AN EVOLUTIONARY ADVANCE IN INSTALLATION AND OPERATION

Space is always at a premium in the sterile processing department. To minimize service clearance requirements, Evolution's exquisitely engineered modular piping and electrical system can be rolled into place to the left or right of the chamber – with all the connections completed in about five minutes.

Leading edge plumbing components work together in a freestanding design that makes perfect sense for ease of installation, operation and service accessibility.

But inside is where quality parts make a real difference in system performance and uptime. Evolution's modular piping system features reliable, high performance Burkert valves to minimize service and maintenance requirements. Sensors securely transmit information to STERIS's ProConnect™ remote monitoring system to proactively monitor system performance and improve service support - all to keep your department at its most productive.\*

The Evolution high efficiency two-stage vacuum pump improves drying and reduces water usage compared to other vacuum systems. Additional sensors minimize water and steam consumption to help reduce operational costs.



Long-life Burkert valves for maximum uptime



Quick, flexible connections to utilities and drain. Available with stainless piping and triclamp fittings.



\*Requires connection to the ProConnect Response Center.



Completely modular,  
completely portable



Powerful 72 kw integrated  
steam generator in carbon or  
stainless steel



Two-stage vacuum  
pump reduces water  
consumption and provides  
quick, quiet, consistent  
chamber evacuation

The Amsco Evolution modular piping system provides your department with tangible benefits beyond the norm.

- > Quick, easy, flexible installation that conserves valuable department space
  - Reliable, long-life components
  - Improved service accessibility
  - Proactive remote monitoring system
  - Improved drying
  - Available clean steam capability
- > Economical, green operation
  - High efficiency electric vacuum pump
  - Sensor technology minimizes utilities usage

## AMSCO EVOLUTION – ACCESSORIES

Evolution can be accessorized to meet specific environmental and workflow requirements for maximum productivity and improved throughput in your Sterile Processing Department.

### Door Options and Cabinet Packages

- > All models can be recessed in the wall or fully enclosed in a cabinet.
- > Evolution is available with manual hinged or fully automated door operation.

**Hinged**



Chamber Dimensions
26 x 37.5 x 42in
26 x 37.5 x 54in
26 x 37.5 x 66in

**Horizontal**



Chamber Dimensions
26 x 37.5 x 42in
26 x 37.5 x 54in
26 x 37.5 x 66in

**Vertical**



Chamber Dimensions
26 x 37.5 x 39in
26 x 37.5 x 49in
26 x 37.5 x 61in



### Loading/Unloading System

- > High capacity for maximum throughput
- > Eliminates operator handling of hot loads
- > Swivel casters for easy maneuverability
- > Low profile docking mechanism for easy alignment
- > Racks and shelves for selected chamber sizes

### Mixed Sources

Product group from well-managed forests, controlled sources and recycled wood or fiber



Printed with Soy based inks and water based coatings on FSC/Green Seal-certified paper.