



**CONSOLIDATED
STERILIZER SYSTEMS**

ECO-FRIENDLY AUTOCLAVE SOLUTIONS

The most reliable, easy-to-use, and sustainable steam autoclaves in the world.



Water Conservation

Most modern autoclaves utilize a large amount of water to comply with local building code and reduce the temperature of the effluent discharge to the drain. Sometimes this water quenching uses as much as 1,600 gallons per day! The Consolidated WaterEco Series drastically reduces water consumption; eliminating up to 99% of water consumed by other autoclaves on the market.

Consolidated's WaterEco® Series



WaterEco®

This system is included on all Consolidated sterilizers. In addition to saving water, it monitors water consumption and cools effluent using a combination of air, previously cooled effluent and a minimal amount of cold water.



WaterEco® Plus

This system reduces water consumption through a stainless steel heat exchanger that utilizes facility chilled water supply – virtually eliminating once-through cooling water.



WaterEco® Vac Plus

This system integrates with pre-vacuum autoclaves when chilled water is readily available. The full recovery system uses chilled water to cool the vacuum water and exhaust and is the best solution to minimize water.

Chilled Water Solutions

Water Consumption Impact and Savings



Ask how you can save over **\$100K!**

Click here to calculate your water savings

WaterEco® Benefits



Water Savings*

Based on today's average utility costs, a single-eco friendly autoclave can save a facility over 60,000 gallons of water per year. That's the equivalent of \$100,000 over a fifteen-year period!



Space Saving Integral Design**

All WaterEco® systems fit integral to the sterilizer saving valuable laboratory space.



Easy to Retrofit

Both the WaterEco® and WaterEco® Plus can be easily retrofitted onto existing sterilizers, regardless of manufacturer.



Water Monitoring

All WaterEco® systems communicate with the sterilizer control system to provide real-time data for cooling water consumed per cycle, day, month, and year.



House Chiller System Integration

Both the WaterEco® Plus and WaterEco® Vac Plus easily integrate with house chiller systems to achieve maximum water savings on the autoclave.



Eligible for LEED Credits

Any autoclave installed with a WaterEco® System assists architects in achieving LEED (Leadership in Energy and Environment Design) credits as set forth by the U.S. Green Building Council.



Building Code Approved

All WaterEco® Systems are designed to meet and exceed building code requirements on effluent discharge temperature to drain.

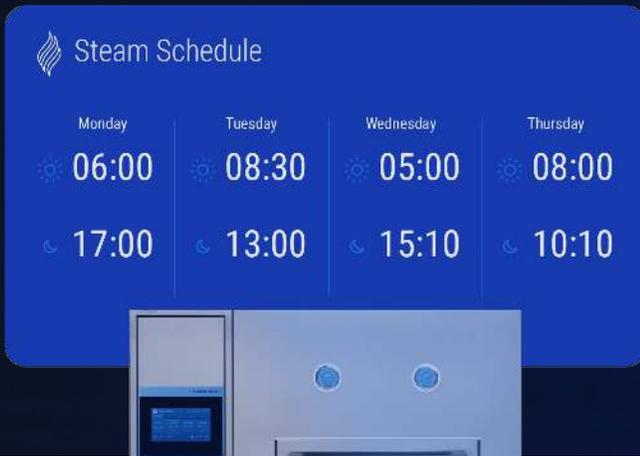
*Assumes SSR-3A, 3 cycles per day, 30min at 250F with 5min dry

**See model specification sheets for specific performance

Easily Monitor Water Consumption

Estimated Cooling Water Consumption	
Last Cycle:	2 Gal
Today: 1	2 Gal
Week To Date: 7	7 Gal
Month To Date:	281 Gal
Year To Date: 7	22 Gal
All Time:	722 Gal

X1 User-Interface Display - "Water Usage" Screen



EcoCalendar™

All sterilizers are equipped with a calendar-based automatic start-up and shut-down feature known as EcoCalendar. This feature helps minimize utility consumption and HVAC load through a software controlled, automatic steam shut-off program. Utilities can be programmed for automatic start-up and shutdown based on time of day and day of the week.

Auto Idle Shut Off

Like the EcoCalendar™, Auto Idle Shut-Off helps save energy by shutting the autoclave off when not in use. It functions similarly to a “sleep-mode” for your home computer. Simply set the desired idle time and the autoclave will enter sleep-mode after the set idle time has elapsed. Press anywhere on the X1™ touchscreen to “wake up” the autoclave.



Hood Controls

This feature integrates the sterilizer with a local canopy hood to reduce unnecessary venting of conditioned air. Form C Dry Contacts signal your building automation system to power-down the hood when the door of the autoclave is closed. This allows labs to better control the heat-load and environmental conditions within the lab.

EcoJacket

EcoJacket is included on all new sterilizers and automatically lowers the temperature of the sterilizer jacket in between cycles, thereby reducing steam and water usage and heat-load to the room.





Consolidated's Commitment to Sustainability

Consolidated Sterilizer Systems is one of the first major steam sterilizer manufacturers to receive the [Accountability, Consistency, and Transparency \(ACT\) Label](#) for all of our top-selling models. Our commitment to sustainability is evident in our innovative water- and energy-saving features, which come standard in all of our units. Saving water and energy not only helps the planet, but also lowers the total cost of ownership for our products.



About the ACT Environmental Impact Label

Designed by My Green Lab (MGL) to verify the sustainability of laboratory equipment for both scientists and procurement specialists, the ACT Environmental Impact Factor (EIF) Label helps increase transparency surrounding manufacturers' overall environmental impact. Labels provide scores based on predefined EIF criteria for various categories, including manufacturing, user impact, and end of life.

Manufacturing Impacts

- Manufacturing impact reduction
- Renewable energy use
- Responsible chemical management
- Shipping impact
- Product content
- Packaging content

User Impacts

- Energy consumption
- Water Consumption
- Product lifetime

End of Life Impact

- Packaging end of life
- Product end of life
- Innovation credit

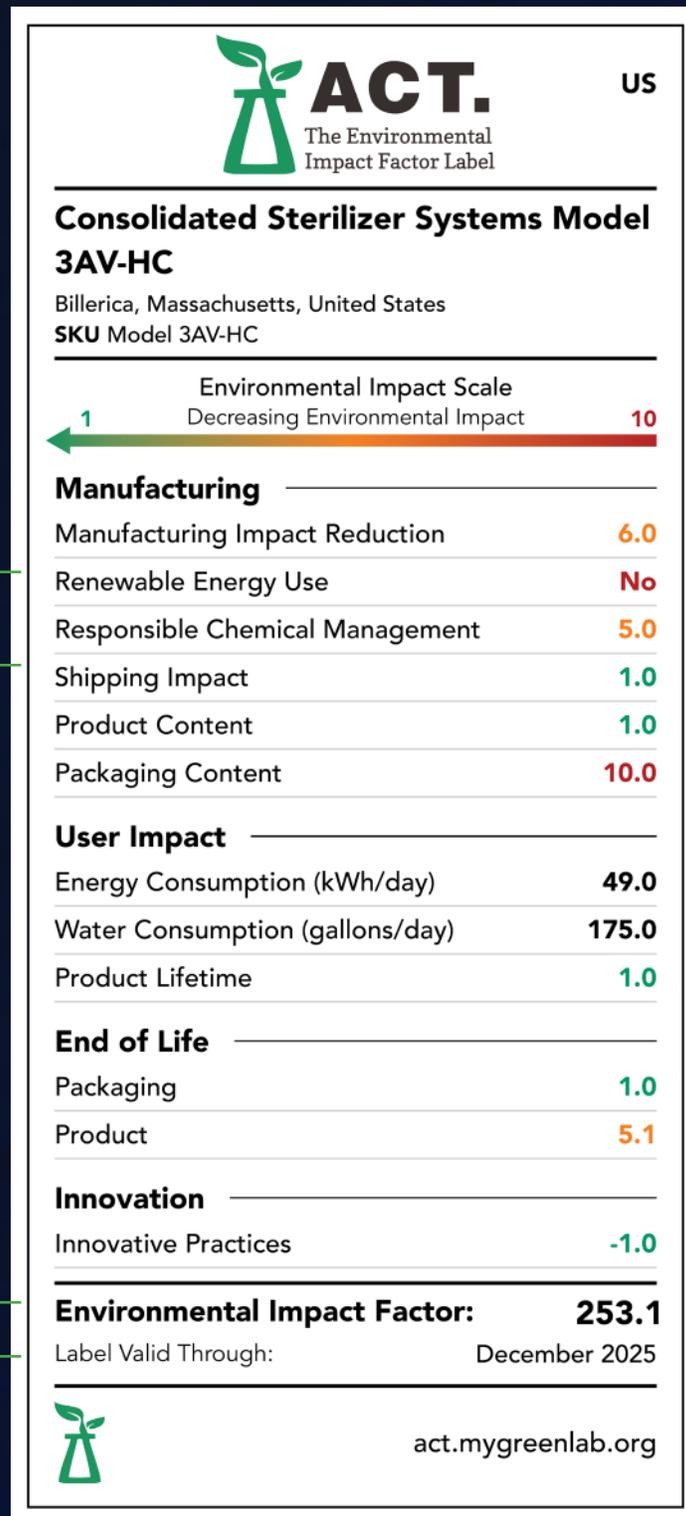
We're proud to say that the EIF label is currently available for six of our most popular steam sterilizers.



What is My Green Lab?

MGL is a non-profit organization dedicated to improving the sustainability of scientific research. It specializes in developing social and environmental impact standards and certifications, engaging in educational outreach programs, and running global advocacy campaigns.

How to Read Our ACT Label



Regional labels capture the differences in the Shipping and End of Life impacts for each region (US, EU, UK) in which the product is sold. The regional labels also showcase how the energy usage may vary across the markets and reports the water usage in units specific to the market (gallons per day or liters per day) for equipment.

These values are graded on a scale of 1-10, with 1 indicating the lowest environmental impact and 10 indicating the highest environmental impact.

These values represent actual daily consumption and apply only to equipment.

A lower number indicates a lower overall environmental impact.

The category is either yes or no

Detailed scoring explanations for each category are outlined in the verification guide

The sum of all values equals the Environmental Impact Factor.

ACT labels are valid for two years from the date of issue.

To learn more about our autoclaves, including their built-in sustainability features, [contact us](#) today.