

Green Technology for Reducing Sterilizer Water Consumption

Most modern autoclaves utilize a large amount of water in order to reduce the temperature of the effluent discharge (to drain) and comply with local building codes — sometimes using as much as 1,500 or 1,600 gallons per day. The Consolidated WaterEco® Series drastically reduces this water consumed by the autoclave.



Consolidated's WaterEco® Series



WaterEco® Basic

This system works by collecting drainage into a cooling reservoir. The effluent is cooled 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.

WaterEco® Benefits

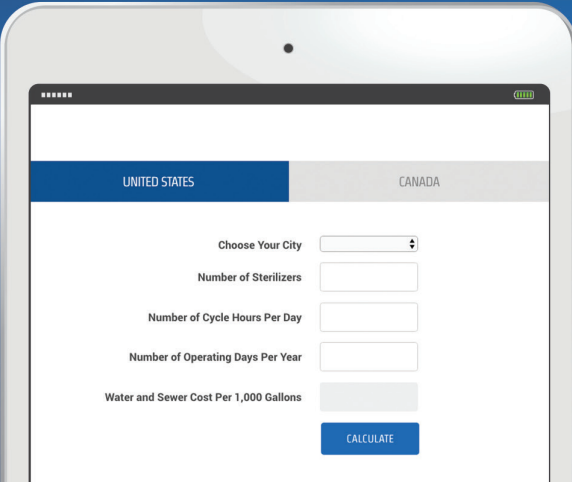
 <p>Water Savings*</p>	<p>Based on today's average utility costs, a single eco-friendly autoclave can save a facility over 60,000 gallons of water per year. That's the equivalent of \$100,000 over a fifteen-year period!</p>
 <p>Space Saving Integral Design**</p>	<p>All WaterEco® systems fit integral to the sterilizer saving valuable laboratory space.</p>
 <p>Easy to Retrofit</p>	<p>Both the WaterEco® Basic and WaterEco® Plus can be easily retrofitted onto existing sterilizers, regardless of manufacturer.</p>
 <p>Non-Electric Design</p>	<p>Both the WaterEco® Basic and WaterEco® Plus systems operate without the use of electricity by employing a temperature actuated, non-electric, mechanical valve. This helps save on additional resources, the environment, and cost.</p>
 <p>House Chiller System Integration</p>	<p>Both the WaterEco® Plus and WaterEco® Vac Plus easily integrate with house chiller systems to achieve maximum water savings on the autoclave.</p>
 <p>Eligible for LEED Credits</p>	<p>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.</p>
 <p>Building Code Approved</p>	<p>All WaterEco® Systems are designed to meet and exceed building code requirements on effluent discharge temperature to drain.</p>

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

**Dependent on model sterilizer and vacuum system



Calculate Your Water Savings Today



CONSTERIL.COM/CALCULATE

Or Contact Your Sales Rep Today: 617.782.6072



P.O. BOX 297 | 76 ASHFORD ST. | BOSTON, MA 02134-0003
 P: 617.782.6072 | F: 617.787.5865 | INFO@CONSTERIL.COM | CONSTERIL.COM

Featuring Green Technology for Energy Savings and Minimal Environmental Impact



©2016 Consolidated Machine Corporation V1 10/16