Semler Industries, whose roots date back to 1905, has supplied the aviation industry with ground support equipment for over 45 years. Our reputation for durability and quality construction has made us the world-class leader in the potable water industry.

Our rugged stainless steel cabinet construction and high polish finish guarantee long life, and the easy-to-clean design promotes sanitary conditions. The electrical components are UL listed or UL Recognized. Customized options, including CSA approved components, are available to meet your specific needs.

AWOCS™

AWOCS™ is a cleaning tool developed to sterilize aircraft drinking water systems and potable water cabinets by using an extremely safe and effective cleaning agent called ozone.

Why Ozone?

Ozone is faster, safer, and more environmentally friendly than traditional chemicals. Ozone’s ability to oxidize (kill) anaerobic organisms is 3000 times more powerful than chlorine. Yet as utilized in the AWOCS™, ozone presents no danger to workers. Ozone is nature’s perfect biocide. There is no post-use residual, only oxygen and gray water. Both the EPA and FDA have investigated the AWOCS™ and both agencies found its process to be acceptable. (Letters of acceptance are on file).

AWOCS™

Currently sanitizing planes for the following airlines:
- American Connection
- American Eagle
- Chautauqua Airlines
- Comair
- Continental Express
- Delta Connection
- Express Jet
- Republic Airlines
- Shuttle America
- Southwest Airlines
- United Express
- U.S. Airways Express

What is AWOCS™?

AWOCS™ is a cleaning tool developed to sterilize aircraft drinking water systems and potable water cabinets by using an extremely safe and effective cleaning agent called ozone.

<table>
<thead>
<tr>
<th>AWOCS™</th>
<th>Other Approaches</th>
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<tbody>
<tr>
<td>Dramatic time saving tool</td>
<td>Long down time</td>
</tr>
<tr>
<td>No chemicals required</td>
<td>Cost of chemicals, inventory &amp; protective equipment</td>
</tr>
<tr>
<td>No hazardous waste to dispose of</td>
<td>Requires disposal of hazardous waste</td>
</tr>
<tr>
<td>Requires one sanitary drain</td>
<td>Requires special waste containers</td>
</tr>
<tr>
<td>Displays results of sanitization in real-time</td>
<td>Post cleaning testing required to determine results could take days</td>
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Sanitize your aircraft water systems and potable water cabinets at the speed of flight...

- NO chemicals
- NO hazardous waste
- Real-time results

AWOCS™ Touch Screen Displays

AWOCS™ touch screens show status and give maintenance personnel “check list” operating simplicity.

Main Set-Up Menu

Select ACFT or PWC for use on Aircraft or Potable Water Cabinets respectively.

When in Aircraft Mode, the aircraft type is selected from a pre-programmed list, customized specifically around each customer’s aircraft fleet.

Operations Display Screen

The operations screen is animated to show the operator exactly what’s going on as the AWOCS™ unit sanitizes. The tank water level and both pumps change colors as the process advances. Two on-screen message centers communicate with the operator regarding system status and items that need addressing.

Pump Hours Display Screen

Semler pre-sets the recommended service hour intervals however the customer can adjust these as experience dictates.

AWOCS™ Instrument Panel

ORP stands for Oxidation Reduction Potential. It indicates the concentration of the aqueous ozone disinfectant being produced by AWOCS™. As Ozone disinfects it gets used up. AWOCS™ continually generates and circulates Ozone into the cleaning process until the Feed ORP and the Return ORP are at adequate and essentially equal concentrations. This indicates Ozone is no longer being used up because there are no longer active organisms present. Under these conditions the touch screen monitor will display a message signaling that this step in the cleaning process is complete.

AWOCS™ users have experienced a 50 – 75% decrease in sanitizing time over their previous cleaning methods.