

**Billco®**

MOVING GLASS FORWARD.

WASHING CUTTING LAMINATING HANDLING INSULATING DATA

BIOCLEAN WATER CARE SYSTEM

The BioClean Water Care System simplifies the process for properly maintaining a glass washer. The self-sanitizing technology reduces process-damaging bacteria and organic growth without the use of harsh disinfectants.

WHY

To obtain optimal cleaning results, it is essential to properly maintain and sanitize the washer on a regular basis. Process damaging bacteria and organic growth can develop in the water and on surface areas, causing potentially detrimental effects on the final product.

WHAT

The BioClean Water Care System revolutionizes the maintenance process for your washer. The water in each tank is circulated through an ion generation process. Positively charged copper and silver ions are introduced into the water to react with and neutralize bacteria and organic growth. The process eliminates the need to handle and store harsh disinfectants such as chlorine, bromine, hydrogen peroxide, ozone and other commonly used chemical processes. The water is then re-circulated throughout the machine, aiding the bacteria removal process on all surfaces and components that the water may contact.

HOW

The BioClean Water Care System significantly reduces manual maintenance requirements, minimizing both time and costs. In addition, as the treated water circulates through the machine, hard to reach areas and components can be reached by the residual ions, providing further cleaning without the use of harsh disinfectants.

ADVANTAGES

Removes Process-Damaging Bacteria: Potentially harmful bacteria and organic growth in water and on surfaces are neutralized and filtered

Reduces Labor and Time: Automated system reduces washing time

Self-Sanitizing Technology: Multiple stages provide thorough sanitizing of the water and internal wet zone surfaces

Environmentally-Friendly Processing: Bacteria and organic growth are neutralized naturally by positively charged copper and silver ions rather than harsh disinfectants

Supports 24 | 7 Operation Schedules: Integrated to work seamlessly with a regular operation schedule, minimizing downtime

Integrates with New or Existing Systems
Automated or Manual System Available

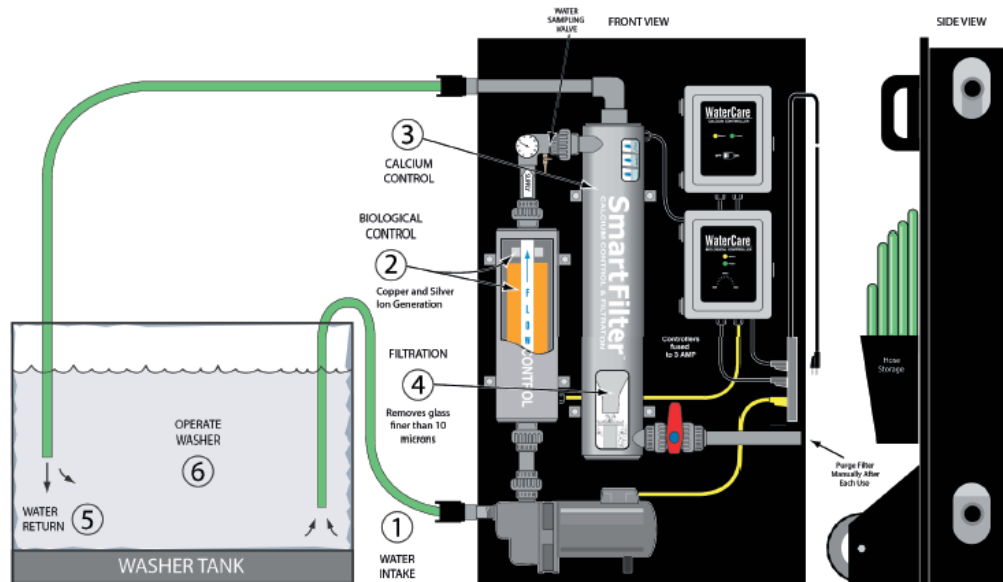
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BIOCLEAN WATER CARE SYSTEM

WASHING

TANK WATER SANITIZING PROCESS

1. **Water Intake:** Water is retrieved from a tank and circulated through the BioClean Water Care System
2. **Biological Control:** The water passing through the first flowcell, picking up positively charged copper and silver ions. These ions are attracted to the negative charge of harmful bacteria and organic growth, neutralizing them.
3. **Calcium Control:** Next, the water enters the SmartFilter technology where scale-forming calcium ions react with an electromagnetic field. The molecules are fragmented, filtered and calcium-forming crystals are evaded.
4. **Filtration:** An integral centrifugal filtration technology is utilized to remove debris from the water. Glass chips as small as 10 microns and even smaller are collected and removed.



5. **Water Return:** The treated and filtered water is returned to the tank system. Residual copper and silver ions continue to react with organisms in the water, on tank surfaces and wherever the water is circulated, providing additional cleaning.

WET ZONE SANITIZING PROCESS

6. **Operate Washer:** After the tank water is processed, running the washer allows the charged water to reach all interior wet zone surfaces. Recirculating the treated water allows the residual ions to get into hard to reach areas and components for greatly improved results, without the use of harsh disinfectants.

Billco Services

Billco provides the backbone for flat glass production lines, large and small, with high-quality equipment and 24 | 7 | 365 never-fail relationships. Our stability and expertise are backed by high customer satisfaction ratings, uptime statistics, impressive ROI, and a multi-million dollar industry of ready-to-ship replacement parts. Our Solutions Specialists, 24 | 7 | 365 Technical Support, and Replacement Parts Team are fully dedicated to keeping your line moving. Call or visit our website for more information.

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