



Manitowoc® Parts & Service Communicator

Subject: Ice Machine Cleaner and Sanitizer Usage

Cleaner and Sanitizer Usage

Ice machine cleaner and ice machine sanitizer perform two equally important, but separate functions. Always follow the procedure and solution concentrations for your model when cleaning and sanitizing. The specific details are on the ice machine front panel label and in your models Installation, Use and Care Manual.

 **Caution - Do not mix cleaner and sanitizer together.**

MANITOWOC ICE MACHINE CLEANER

Ice machine cleaner is used to remove lime scale and mineral deposits from ice machine components. Ice machine cleaner contains citric and phosphoric acid which breaks down this lime scale (calcium) from its solid state to a form that is soluble with water. This water is then flushed from the system to remove the lime scale.

Many environmental factors are involved that result in excess calcium and minerals being deposited on an ice machine. This makes it difficult to predict the exact amount of lime scale that will be deposited on an ice machine in a specific location and given time period. Due to the cleaners corrosive nature, cleaner/water solutions with concentrations higher than the recommended amount, or frequency of cleaning that is shorter than two months must be avoided. The recommended frequency for cleaner usage is 6 month intervals.

Ice machine cleaner must not be used on a weekly or monthly basis. Cleaner is only required when there is visible lime scale buildup on the evaporator or other parts. Use of an approved filtration system with a polyphosphate scale inhibitor is highly recommended for all ice machine installations and will significantly reduce the need for cleaner application in hard water applications.

MANITOWOC ICE MACHINE SANITIZER

Ice Machine Sanitizer is used to remove algae, slime growth and to disinfect. Recommended frequency for sanitizer is a minimum of once every six months. In areas with a high concentration of airborne yeast (such as bakery's) more frequent sanitizing will be required. For maximum effectiveness the correct solution of sanitizer and water must be prepared and adequate contact times must be maintained. Manitowoc sanitizer has been tested with a challenge bacteria that is particularly resistant to chemical attack and cold water. Passing this test allows Manitowoc ice machines to display the NSF label. Assurance that Manitowoc sanitizer and the sanitizing procedure have been tested and proven effective.

An additional benefit with Manitowoc ice machine sanitizer is it's classification as a no rinse sanitizer. No potable water rinse is required after the application of Manitowoc ice machine sanitizer eliminating a step from our sanitizing process.