

Nano Soft Water

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Nansorb Anti-Scale Water Treatment System

The Problem

Calcium creates scale in pipes, on appliances and other plumbing surfaces. This leads to higher heating and energy costs and expensive repairs to appliances, such as ice machines, coffee makers, dishwashers and cooling towers in commercial buildings. Scale can also be a source for bacteria to grow, which can be a health concern in drinking water applications. Calcium on the other hand, is important to human health, and supplements are recommended if calcium is reduced or totally voided in ones diet.

The Solution

Nansorb Gold Anti-Scale systems transform calcium ions into calcium crystals, which are stable and cannot attach to pipes, surfaces, hardware, fixtures or heat exchange components. The crystals are so small they are easily rinsed away by the water flow.

As proven at San Antonio testing facilities Nansorb Gold will prevent calcium scale formation. Tests were performed using side-by-side glass vessels with heating elements (heated to 180°F) to simulate performance of a hot water heating system. Water, with 16-17 grains of hardness, was treated at specific flow rates. The testing proves that Nansorb Anti-Scale Media prevents scale formation and “de-scaling” was observed after only 3 weeks of treatment.

Side-by-side test stand



New heating elements in stand before test



Scale buildup on heating element in untreated water



Oxidation but no scale on element in treated water

