



Anti-Scale PRODUCT DATA SHEET

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. When hardness levels appear at 25 gpg (grains per gallon) or higher pre-treatment or additional media may be required. Please consult a specialist for this condition.

The Solution

Eaglesorb SP3 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 independent testing facilities Eaglesorb SP3 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 Eaglesorb SP3 Anti-Scale Media prevents scale formation and "de-scaling" was observed after only 3 weeks of treatment.

Filtersorb SP3

The technologically advanced Eaglesorb Anti-Scale Media is an innovative solution that prevents all of the negative effects of calcium and magnesium, while allowing the positive health benefits to remain. The system is maintenance free, salt free and does not require costly regeneration and backwashing.

The Principal Behind our Anti-Scale Media

The principal behind our Eaglesorb Anti-Scale Media is quite simple. The Anti-Scale Media acts as a dosing catalyst by accelerating the transformation of the calcium and magnesium minerals into harmless "Nano" particles. When the raw inlet water enters into the water conditioning tank the up flow pulls the water through the fluidized Eaglesorb Anti-Scale Media. Eaglesorb then acts as a dosing catalyst by pulling the calcium and magnesium hardness minerals out of the solution and transforming these minerals into inactive "Nano" crystal particles. Because the hardness minerals have been transformed into "Nano" particles, these particles make their way through plumbing systems without attaching to pipes, fixtures, valves, or heating elements. An important secondary benefit is that the existing scale in pipes and equipment is also dissolved over time. The calcium and magnesium already built up on the walls of pipes and equipment will slowly dissolve and in just a few short weeks mineral build up will be eliminated.