

Ball Valves

Customer: Sherwood Mechanical, San Diego, CA

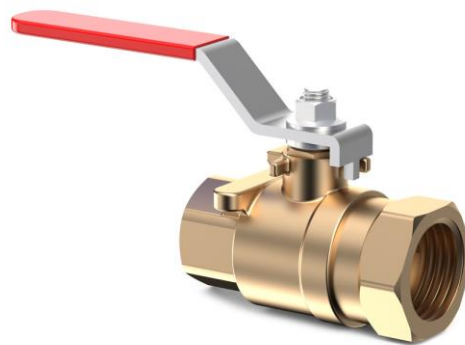
SHERWOOD MECHANICAL INC.

Category: Commercial

Application: Ball Valves



Ball valves allow areas of plumbing in high rise buildings to be isolated. Water can be shut-off to just portions of the facility to allow maintenance and repairs without taking down the entire building and inconveniencing tenants



“Exercising” the ball valves (turning off and on rapidly) is part of the normal maintenance procedure in a building.



The Challenge: Calcium precipitates (falls out of solution) and sticks to the inside of ball valves as limescale in the form of Calcite calcium.

Over time this can cause the ball valve to freeze and be very hard to open and close, making exercising the valves difficult and time consuming.

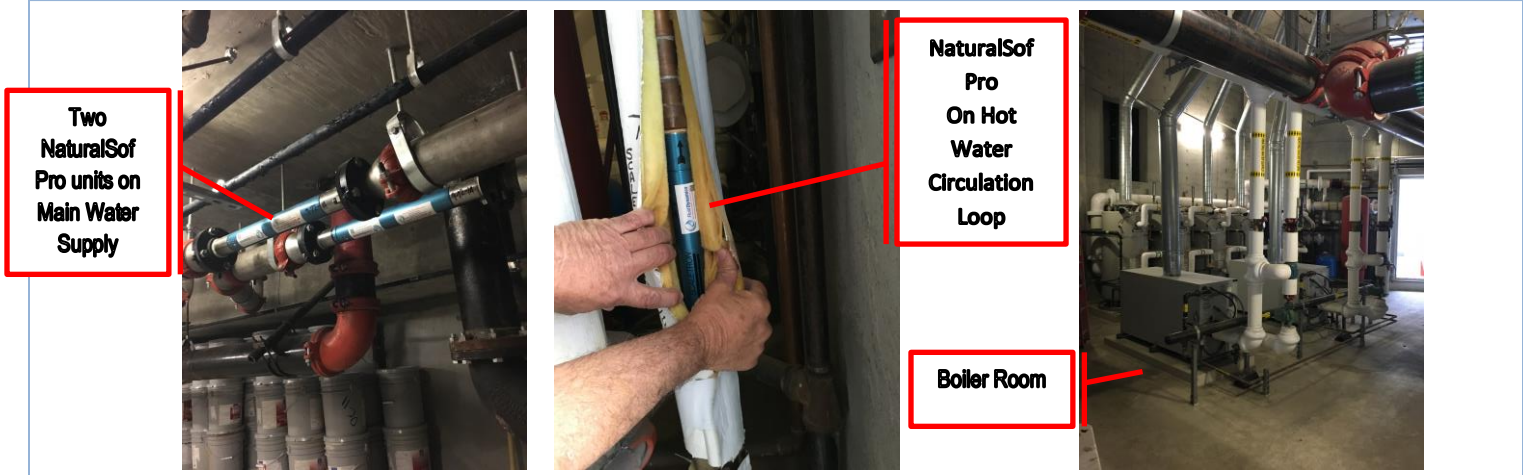
At its worst the valve can fail due to scaling and either begin to leak or no longer turn or seal. If this happens and a building leak cannot be isolated it can create a lot of maintenance and repair costs for the owners.



This 1 1/2" Ball Valve was removed from a hot water re-circulation loop in a facility in Poway, CA.

It seized and would no longer function due to scaling caused by the hard water.

The Solution: Sherwood brought NaturalSof Pro Catalytic Water Treatment to their customers who were experiencing high maintenance costs due to the issues caused by hard water in Southern California. NaturalSof Pro units were specified based on flow rates of a building and pump model(s) in hot water re-circulation zone(s). Entire buildings can be protected, or specific loops can be treated at the point of use.



Two NaturalSof Pro units on Main Water Supply

NaturalSof Pro On Hot Water Circulation Loop

Boiler Room

Results: Sherwood Mechanical has protected several of their customers' buildings and re-circulation systems by installing NaturalSof Pro.

Exercising the ball valves is now quick and easy as part of their routine maintenance schedule and valves that were previously frozen shut now open and close with ease.

Sherwood recommends NaturalSof Pro to all their new building construction customers as well as any who call on them for maintenance and repair due to hard water damage.