DeOx™ - DeOxygenation System™

Introducing the Patent Pending DeOx™ - DeOxygenation System™

The silver bullet to inhibiting Wet System Corrosion...!

Wet Sprinkler Systems experience interior pipe wall corrosion as a result of the Oxygen-Water interface, which occurs at high points within the piping. There’s one way to put this problem to rest. Introduce 98%+ pure Nitrogen and DeOxygenated water into the sprinkler system, effectively eliminating internal corrosion and the costs stemming from premature pipe failure.

HOW IT WORKS

Sprinkler systems are charged with highly oxygenated water, a process that traps air (containing 20.9% oxygen) at high points throughout the piping. The resulting Oxygen-Water interface on the steel piping creates ideal conditions for corrosion. The Patent Pending DeOx™ System inhibits corrosion in two ways. It eliminates trapped air pockets with an initial purge of 98%+ pure Nitrogen, then introduces DeOxygenated water (1.0 ppm) - the key to inhibiting corrosion in Wet Sprinkler Piping.

BENEFITS

- Easily integrates into new or pre-existing FPS
- Targets both aerobic and anaerobic bacteria
- Filters particulates & removes impurities from fill water
- Reduces Oxygen content from 10 PPM to < 1.0 PPM
- Water containing 1.0 PPM or less Oxygen inhibits the corrosion reaction
- Eliminates the problematic Oxygen-Water interface
- Protects installation & extends life of sprinkler piping

PIPE PRIOR TO DEOX INTRODUCTION

- Trapped air pocket containing 20.9% O2
- Water containing 10.0 PPM of O2
- Pipe environment that supports the corrosion reaction

PIPE AFTER DEOX INTRODUCTION

- Trapped air pocket containing <2% O2
- Water containing <1.0 PPM of O2
- An environment that doesn’t support the corrosion reaction

Designed & Manufactured by South-Tek Systems, the Leader in Corrosion Inhibiting Technology

We ARE Nitrogen.™ phone: 888.526.6284 | www.southteksystems.com