

# DeOx™ - DeOxygenation System™



Green Technology for Wet Fire Protection Systems

## 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.



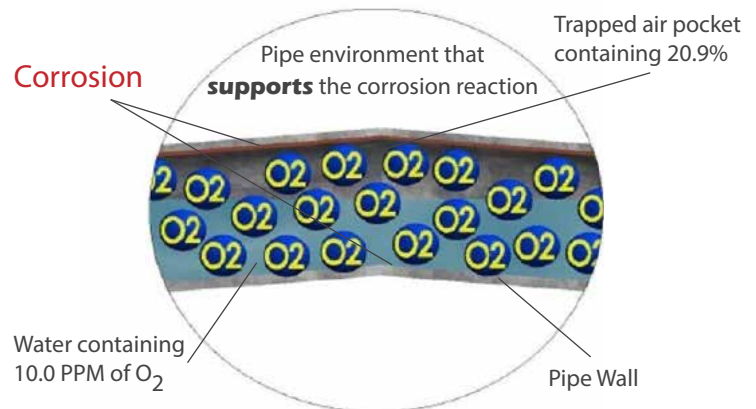
## HOW IT WORKS

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.

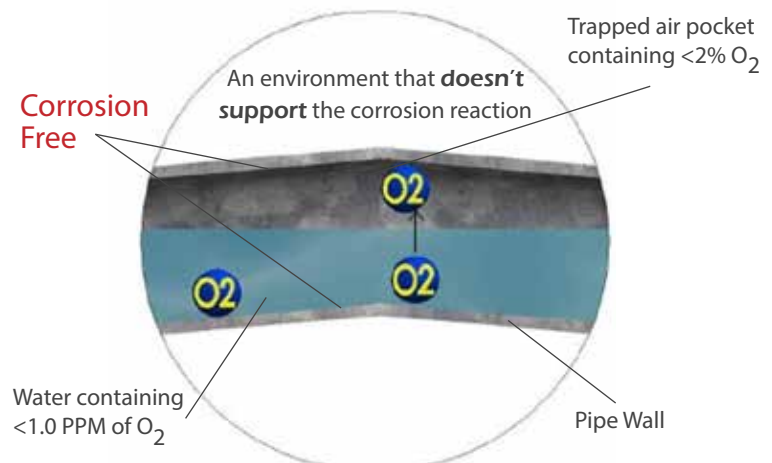
## BENEFITS

- 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



## PIPE AFTER DEOX INTRODUCTION



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

We ARE Nitrogen.™ phone: 888.526.6284 | [www.southteksystems.com](http://www.southteksystems.com)

