

# 5-Year Obstruction Inspection Service

**Help protect life and property with code-required inspection of your automatic sprinkler system**



## **Obstruction inspection specified in NFPA 25**

Like your car, an automatic fire sprinkler system has components that can age or wear out over time. Piping, valves and other devices can become obstructed by foreign materials or corrode to the point where they might leak or fail under pressure. And that can put lives and property at risk.

In 2002, the National Fire Protection Association (NFPA) strengthened the inspection code requirement for automatic fire sprinkler systems. In a move that is helping to drive proper maintenance of these critical life-safety systems, NFPA adopted a code requiring that an internal inspection of piping be conducted every five years or when conditions indicate the need for an internal inspection. This type of inspection can identify Microbiologically Influenced Corrosion (MIC), rust and slime that may obstruct the piping and compromise the system.

## **NFPA 25. Inspection Code Requirement for Automated Fire Sprinkler Systems**

13.2.1 (2006 edition) An investigation of piping and branch line conditions shall be conducted every five years by opening a flushing connection at the end of one main and by removing a sprinkler toward the end of one branch line for the purpose of investigating for the presence of foreign organic and inorganic material.

## **Our obstruction inspection**

Tyco SimplexGrinnell offers a five-year obstruction inspection for automatic fire sprinkler systems that can help keep your system ready and in good working order. Should a Tyco SimplexGrinnell inspection identify any obstructions or corrosion, we can take samples and have them tested by an independent lab. At the conclusion of that process, we can make recommendations for appropriate corrective actions.

## **Knowledgeable, experienced sprinkler professionals**

Our sprinkler professionals receive formal training regarding the inspection of fire sprinkler systems. Plus, they are experienced in various types of water-based fire sprinklers, including wet, dry, pre-action, in-rack and ESFR (Early Suppression Fast Response) systems. With this combination of training and experience, they can inspect components and pipes, confirm system readiness, and provide a written report of the findings. The detailed Tyco SimplexGrinnell reports provide a valuable historical record of inspections that can be used for insurance purposes and liability claims.

## **Advanced inspection technology**

Tyco SimplexGrinnell can arrange for a five-year sprinkler system obstruction inspection. The inspection can be performed visually, as outlined in NFPA 25, or through an independent supplier using scopes, water chemical analysis

## **Customer Benefits:**

- // Keep your system in shape to help safeguard people, property and assets
- // Support code compliance efforts – NFPA 25 requires an obstruction inspection every five years
- // Help identify obstructions and/or corrosion of piping that could compromise your system
- // Achieve financial return – the costs of replacing sprinkler pipes can be high
- // Get inspections from experienced sprinkler professionals

and water/deposit sampling. Specifically, the inspection tests can include:

- Corrosion studies – Determines losses in the wall thickness of your pipes that can be caused by various corrosive events precipitated by internal interactions involving oxygen, water and steel
- Microbiologically Influenced Corrosion – Identifies the biological microbes that actively or passively attack metal in a sprinkler system
- Obstruction identification – Determines if foreign materials such as rust, slime or MIC are obstructing piping, valves or other devices

### **Potential insurance savings**

Can five-year inspections have a positive effect on insurance rates? Buildings completely outfitted with an automatic sprinkler system often benefit from reduced rates. We recommend that you check with your insurance company to see what impact a five-year inspection might have on rates.

Insurance costs aside, there are a number of compelling reasons to make compliance with the NFPA 25 five-year obstruction inspection requirement a priority. The costs are very reasonable, whether for an internal obstruction inspection or, in the event deposits are found, for follow-up water/sample deposit testing. Perhaps above all else, the five-year inspection can strengthen your system's ability to do its job – help protect life and property.

### **Why not consider more comprehensive maintenance?**

Our five-year obstruction inspection can meet a specific need of building owners and facility managers focused on compliance with the NFPA 25 requirement. Customers who want more

regular system inspections – and a more comprehensive overall program – can select Tyco SimplexGrinnell's broad-ranging coverage that includes maintenance services. In addition to covering the five-year obstruction inspection, this plan encompasses annual inspections and 24/7 emergency service. With this coverage, you can make one convenient annual payment while avoiding unbudgeted costs and overtime charges for after-hours repairs. You can also add a Central Station Monitoring agreement with Tyco SimplexGrinnell. Put all these benefits together, and you've got a truly cost-effective program that works especially well for large manufacturing plants, retail complexes, healthcare institutions and government facilities. What's more, this coverage comes with the overall Tyco SimplexGrinnell commitment to high-quality, timely service.

### **Advancing safety and security with smart, customized solutions**

Tyco SimplexGrinnell, a longtime leader in the life-safety industry, serves over a million customers with best-in-class fire alarm, sprinkler, suppression, security, and healthcare communications solutions. As a Tyco business, we advance safety and security by finding smarter ways to save lives, improve businesses, and protect where people live and work.

With our total solutions capabilities, Tyco SimplexGrinnell stands out as a single-source partner that can install and service all of your life-safety systems.

### **We're here to help**

For more information on how we can support your business or institution through state-of-the art life safety, call us at **1-800-746-7539**. Or visit **[www.tycosimplexgrinnell.com](http://www.tycosimplexgrinnell.com)**.



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Printed in USA



MC104-2013-001  
0316