

## Case Study: Sprinkler System Check Valve Inspection for NFPA 25 Compliance

Company: Fire Protection Firm in WA State

Location: Tacoma, WA

Scope of Project: Inspected 12 check valves at a commercial residential complex

**Key Points:** All the check valves at the Tacoma location were in satisfactory condition and the customer was able to comply with NFPA 25 using remote visual inspection which avoided the significant cost of excavating the valves. Inspection was completed in 3 hours.

### Special Considerations/Challenges:

NFPA 25 requires periodic inspection of the condition of check valves in sprinkler systems for commercial residential buildings. As NFPA 25 becomes more widespread, fire departments and insurance providers are requiring compliance more and more.

This inspection, while ultimately simple, poses serious technical challenges. Most sprinkler system pipes are only 2" internal diameter, and all have at least one 90 degree bend, most with 2 bends. Usually a technician must have both a video probe (6mm or 8mm diameter) as well as a small diameter push camera (1" to 2" diameter).

