



Protecting the Heart of Energy Infrastructure

Engineered Fire Protection for High-Hazard Industrial Facilities

Compressor stations are a critical part of long-distance petroleum and natural gas delivery, maintaining the pressure needed to move energy through pipeline systems. Because these facilities handle pressurized fuels and operate continuously, leaks or equipment failures can create fire hazards. Potential incidents include flash fires, jet fires, pool fires, or fires in confined spaces where flammable fuel can accumulate.

A Layered Approach to Compressor Station Fire Protection

Effective fire protection at oil and gas compressor stations requires a multi-layered approach that combines both passive and active systems to reduce the risk of fire and explosion. Key elements include gas leak detection, flame detection, fire suppression systems, and well-defined emergency response plans.

ORR Protection provides custom-engineered fire protection solutions for Class I, Div 2 oil and gas compressor stations. Our systems are designed to meet strict manufacturer specifications and operational requirements while helping minimize downtime and maximize operational safety.

Why ORR?

Heat & Flame Detection

Advanced detection systems—including the Fike video flame detector—provide real-time visual feedback to your team. Systems support video flame detector stress testing to ensure performance under real-world conditions.

Gas Detection

Receive immediate alerts at probable leak locations in the compressor yard using point gas sensors or monitor large areas with open-path gas detection technology.

Water Mist Suppression

Fast-acting, high-efficiency water mist systems designed for flammable liquid hazards. These systems provide effective extinguishment while minimizing water consumption.

Specialty Enclosures

Explosion-proof enclosures and detectors protect system hardware in classified and hazardous locations.

Service Agreements

Flexible inspection, testing, and maintenance programs tailored to support the reliability and compliance of your operations.

Full Lifecycle Support

From new installations to system upgrades, ORR supports every phase of your fire and gas protection system throughout its operational life.

Trusted Brands

We integrate solutions using products from leading manufacturers known for reliability and proven performance in the industry.



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