

Pressure release is inevitable. Your response is critical.



When pressure relief valves (PRVs) open, they can release pollutants, causing potentially massive regulatory fines and putting your staff and community at risk. Visual inspections for PRV releases are time consuming for your staff and don't tell you exactly when a release occurred. A PRV sock may even blow off in the wind, leading to unnecessary fines. More importantly, you may not know about a release until hours after it occurred, increasing your chances of a safety incident, polluting the environment, and potentially damaging your reputation.

LIMITED VISIBILITY TO PRESSURE RELIEF VALVE RELEASES

“The release of a pressure relief valve can potentially be disruptive and dangerous. I need a better way to monitor for releases so that I can respond quickly as well as identify the root cause to prevent future releases. Any new systems I install need to be low maintenance and require little or no employee training.”

IT'S DIFFICULT TO DEMONSTRATE ENVIRONMENTAL RESPONSIBILITY

“Releases of volatile organic chemicals from PRVs can result in steep regulatory fines and bad PR for our organization. I need to make sure my plant operates in an environmentally-responsible manner and adheres to all regulatory requirements.”

What if you could have constant visibility to all your critical pressure relief valves, to keep your operation running safely and smoothly and reduce your environmental impact?

Emerson is helping process plants significantly reduce the impact of pressure relief valve releases with automated PRV monitoring. With the Rosemount 708 Wireless Acoustic Transmitter, you'll have instant visibility to all your critical PRVs through a non-intrusive, wireless monitoring system. Backed by Emerson's proven experience in Smart Wireless and field instrumentation, the Rosemount 708 will enable you to keep your operation running safely and smoothly while reducing your environmental impact.

Keep Your Operation Running Safely and Smoothly

Pressure relief valves are a critical component of your safety system, but monitoring for releases can be a challenge. The Rosemount 708 Wireless Acoustic Transmitter provides constant visibility to all of your critical PRVs so that you can respond immediately to a release and correct underlying conditions before they become a safety issue.

Real-time Visibility to PRV Conditions

Manual rounds inspecting for displaced “socks” off Pressure Relief Valves are imprecise and expensive, putting you at risk for regulatory fines. And, for valves without a sock, you may not ever know a release occurred. Using the Rosemount 708 Wireless Acoustic Transmitter, you can constantly monitor your critical PRVs throughout all areas of your plant to address releases as they happen and minimize fines and environmental concerns. Real-time alerts tell you immediately when a valve has opened, and each alert is time stamped, which can help you identify the root cause of a release before it leads to a more dangerous situation.

- Ultrasonic acoustic event detection
- Smart Wireless system
- Time stamped, real-time alerts

Fast and Easy to Install and Maintain

Installing and maintaining new devices can increase costs if they are intrusive and require regular maintenance. With the Rosemount 708, you won't need to worry about adding complexity or workload. The system is easy, fast and flexible to install; no training required. The devices are non-intrusive and are “set and forget” with a 10-year battery life. Even replacing the power module is easy; low level alerts notify users when to change the power module and the intrinsically safe design allows for it to be changed in the field.

- Easy, fast, flexible to install
- Set and forget
- Intrinsically safe power module

Proven Technology that's Easy to Use

You need to be confident that any new technology you install is going to work as promised. Emerson's experience in wireless is unmatched in the industry and is backed by a broad range of services to help you get up and running quickly and

optimize your wireless technology. With the Rosemount 708 WirelessHART® solution, you can make use of your existing HART devices, tools and knowledge, making it easy for your staff to implement.

- Proven success
- Expert technical support
- WirelessHART®
- Easy to install, configure, and commission

Reduce your Environmental Impact

Process plants face significant challenges when it comes to environmental responsibility, both in operating practices as well as in maintaining positive public perception. One way you can reduce your environmental impact is through proactive monitoring of pressure relief valves with the Rosemount 708 Acoustic Wireless Transmitter.

Minimize Fines

Manual monitoring for releases is imprecise, which could inflate regulatory fines and make it difficult to identify when a release occurred. The Rosemount 708 offers up-to-the-second accuracy, so that you can be sure that a release occurred and exactly how long it lasted. Automated reporting will improve your environmental reporting. And time-stamped, real-time alerts can help you identify the root cause of a release so that you can take preventative actions to reduce emissions, minimize fines and maximize profitability.

- Accurate reporting data
- Automated reporting
- Time-stamped, real-time alerts

Reduce Severity of Releases

Demonstrating environmental responsibility is difficult to achieve when relying on a manual visual inspection of pressure relief valves with results that can be delayed and even wrong. The Rosemount 708 is a proactive monitoring system that notifies you immediately if a release occurs, enabling you to act quickly and reduce the severity of the release. And the time-stamped alerts allow you to conduct root cause analyses so that you can avoid future releases.

- Proactive monitoring system



Learn More at www.rosemount.com/monitorPRVs

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