CAMERON
A Schlumberger Company

Three Steps for Maintaining Valve Fugitive Emissions Certifications

In-service and repair considerations for maximizing valve performance and minimizing environmental impact

Aligned with United Nations Sustainable Development Goals: 12—Responsible consumption and production, 13—Climate action.

Emissions Reduction:
Achieves up to 96% reduction in fugitive emissions.

As part of our commitment to environmental stewardship, we've established the oil and gas industry's most comprehensive portfolio of fugitive emissions– (FE–) qualified valves. But once you've selected the right valve and put it into service in your piping system, proper maintenance is critical to supporting the valve's FE-qualified performance.

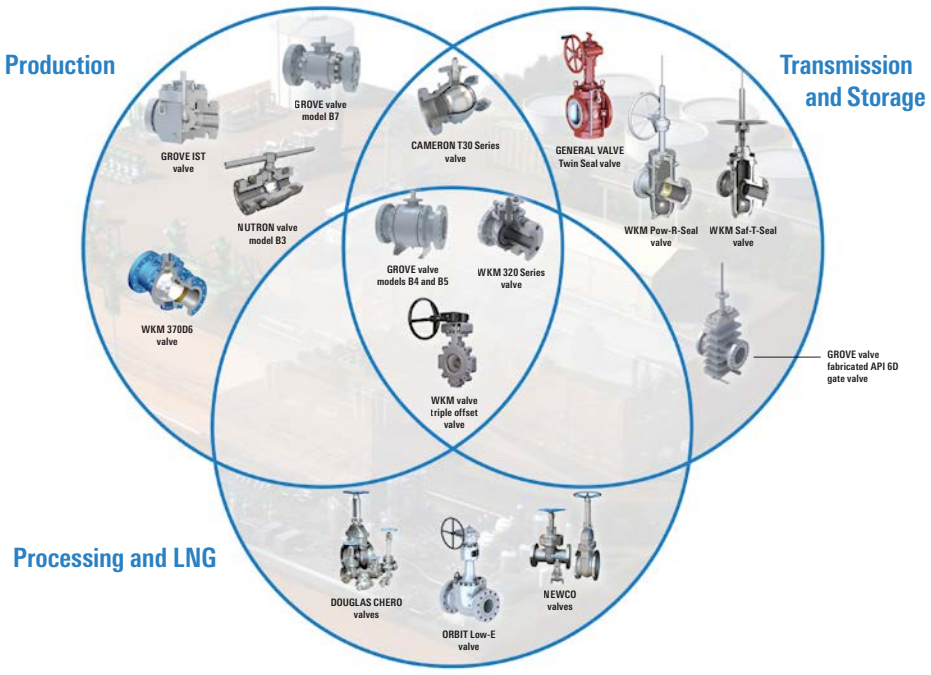
The following three steps will help you streamline maintaining a valve's FE certification.

1. Operate the valve within its certification parameters

When you receive an FE-compliant valve, check the certification to understand the valve's emissions performance over a specified number of mechanical cycles and across a defined temperature range. After installation, it is key that the valve operates within these parameters to prevent unwanted emissions. If temperatures deviate from the tested range or mechanical cycles surpass the qualified number, the emissions performance of your valve can be adversely affected.

2. Maintain the OEM elements of the FE-certified valve configuration

The qualification of your valve to an FE standard was based on a specific configuration, including the seal materials, sealing stresses, surface finishes, and dimensional tolerance classes. When you have the valve serviced or repaired, these elements of the configuration must be maintained to continue the valve's coverage under its original FE certification. If these elements are not maintained, the emissions performance of your valve can be suboptimal.



Cameron and Schlumberger offer an extensive portfolio of API- and ISO-certified low-emission valves for upstream, midstream, and downstream applications.

To ensure that your repaired valve maintains its FE certification, repairs must be made by the original equipment manufacturer or authorized service partner using OEM parts.

3. Monitor valve performance and integrity

The emissions performance of valves in operation should be verified through a leak detection and repair (LDAR) program. This can be augmented with real-time performance and integrity monitoring for your valve population. Process Live Uptime Assurance for valves provides real-time insights and alerts on individual valve performance that can help in managing fugitive emissions and reduce the risk of unplanned downtime. In addition, real-time monitoring with Process Live GHG Control delivers a facility-wide view of emissions performance.

Rely on Cameron and Schlumberger as your OEM partners for maintaining FE-certified valves

No one else has our capabilities: extensive experience as an OEM in managing emissions, servicing valves to maintain FE certification, and providing condition monitoring with data-driven recommendations through Process Live Uptime Assurance for valves and Process Live GHG Control across a facility.

That's why you can Count on Cameron and Schlumberger as the partners you need to support the FE-certified performance of your in-service valves.

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