Three steps for maintaining valve fugitive emissions certifications

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

As part of our commitment to environmental stewardship, we provide 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 crucial to supporting the valve's FE-qualified performance.

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

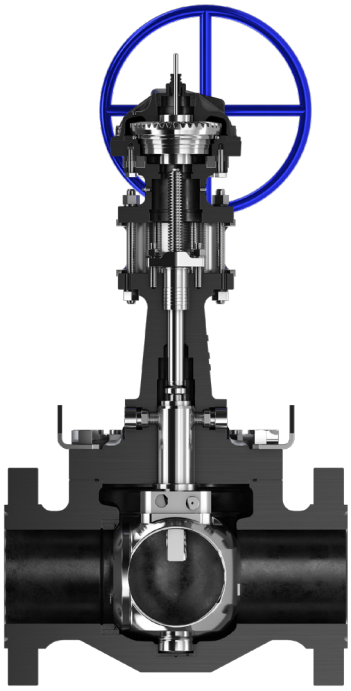
1. Operate the valve within its certification parameters

For FE-compliant valves, 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, operating the valve within these parameters is key to preventing 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 conducted on a specific configuration, including the seal materials, sealing stresses, surface finishes, and dimensional tolerance classes. When the valve is serviced or repaired, these configuration elements 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.

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.



All Orbit™ rising stem ball valves include SLB top-tier low emissions stem packing as a standard feature and the Orbit Low-E™ certified low emissions valve also employs high-performance gaskets.

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 performance and integrity monitoring of your valve population to help in managing fugitive emissions and reduce the risk of unplanned downtime.

Rely on SLB as your OEM partner 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 monitoring.

That's why you can count on SLB as the partner you need to support the FE-certified performance of your in-service valves.