Steam Isolation Solutions

Improve safety, energy use and emissions with superior valve technology

Your utility steam system is critical to your production processes. However, without careful management, this system can introduce safety risks, elevated energy use and fugitive emissions to your facility. As producers seek to lower environmental impacts, your choice of isolation valve technology may be hampering your efforts...

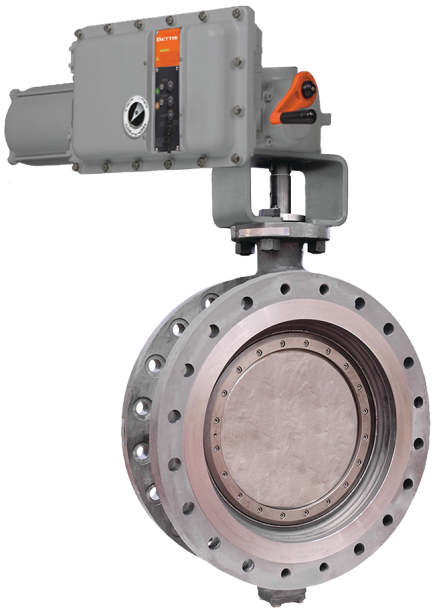
When steam isolation valves fail to seal, valuable steam is lost, requiring reprocessing that **increases production costs**, **energy use** and the site's **carbon intensity**.

High temperature, high pressure steam represents a significant hazard. Inferior steam isolation valves can **put plant personnel at risk** during operation and maintenance events.

Valves are **the leading source of a site's fugitive emissions**. Outdated technology, such as rising stem valves, is the primary cause and places producers at risk of **non-compliance penalties**.

As the need for and adoption of automation increases across industrial sites, **valve safety**, **sealing** and **reliability issues appear** when non-expert integrators attempt to automate valve packages.

What if you could solve these challenges with a single valve?



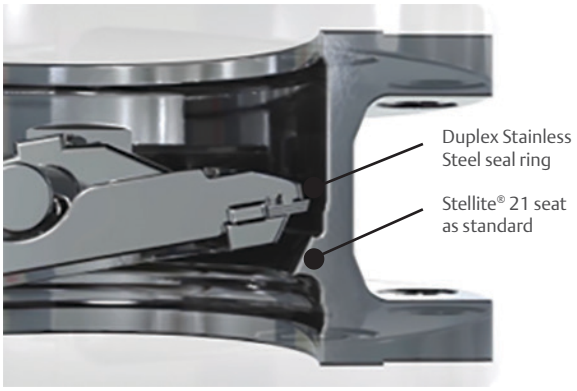
Now you can with the
Vanessa Triple Offset Valves ▶

VANESSA™

Vanessa™ Series 30,000 Triple Offset Valves

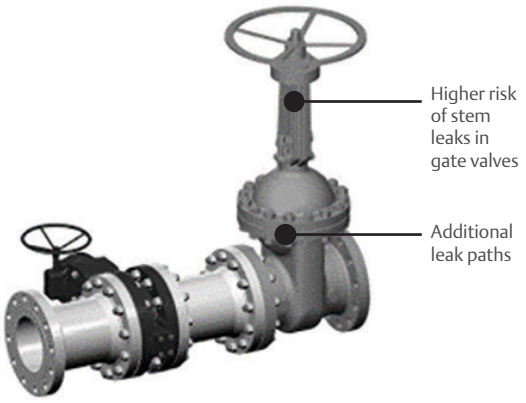
Improve safety, energy use and emissions at your site with superior valve technology for critical steam applications.

Discover enduring zero leakage sealing performance



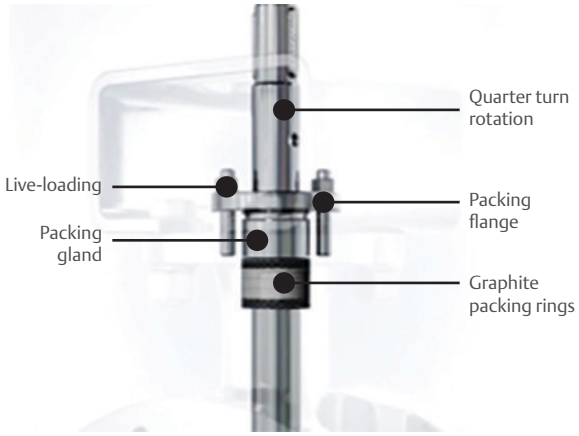
Deploy a unique seat design utilizing a proven radial compression seal. The resilient metal-to-metal seating offers repeated zero leakage shutoff and extremely low, consistent, predictable torque. This sealing performance is unaffected by pressure and temperature swings. The Stellite 21 hard seating surface resists galling, abrasion, erosion and corrosion.

Protect your most valuable assets



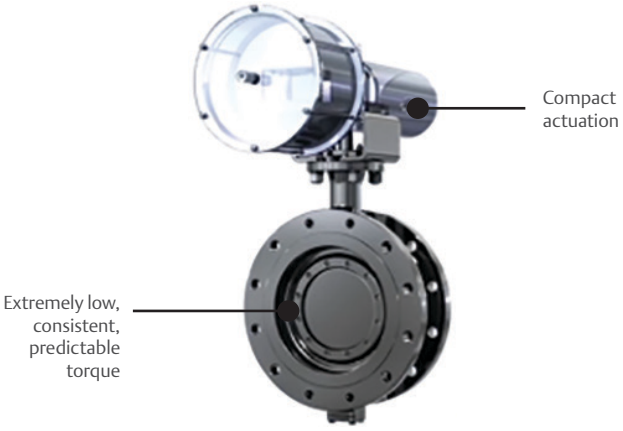
Safeguard your people by adopting valve technology with features designed to eliminate both internal and external leakage. Steam that leaks through the stem puts personnel directly at risk as they operate the valve. Due to its quarter turn rotation and proven sealing technologies, these risks are greatly reduced with Vanessa triple offset valves.

Futureproof your facility



Stay ahead of fugitive emissions compliance with the Vanessa design where all possible leak paths have been addressed to achieve stringent ISO 15848 certification. To improve fugitive emissions performance, replace outdated valve designs, such as gate valves, that extrude process out of the system with their rising stem action and require frequent maintenance to comply.

Automate your critical isolation assets



Improve efficiency through automation by installing complete automated valve packages that are designed, manufactured, assembled and automated by the manufacturer. This ensures that only qualified technicians calibrate components with the precise tolerances to achieve optimal torque sealing that ensures safe, effective and enduring isolation performance.

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EMERSON™