

Vanessa™ Series 30,000 Triple Offset Valves

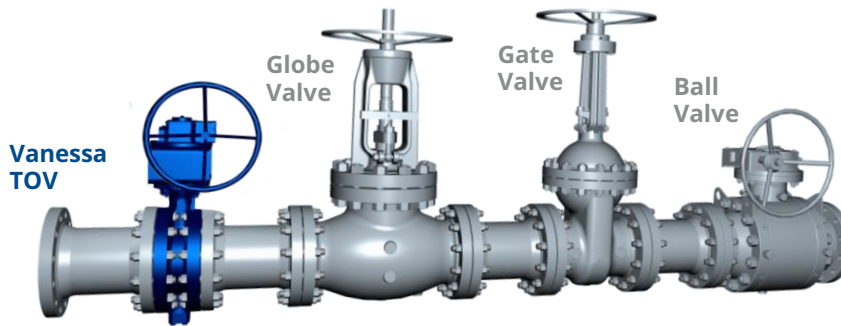
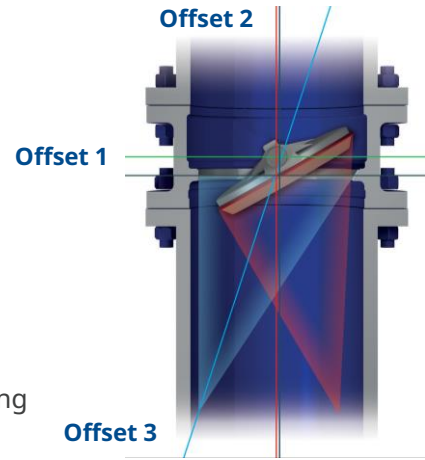
Drive cost out of your projects and ongoing operations through gate and ball valve replacement.

Your Selection of Valve Technology Matters

You are continually being challenged to deliver projects with reducing budgets and to run operations with diminishing resources. Valves represent a significant portion of your installed and ongoing costs, with direct impact on safety, sustainability, cost and reliability.

Vanessa Triple Offset Valve Technology

Emerson's Vanessa Series 30,000 Triple Offset Valve is the smart solution to replace ball and gate valves. The precision geometry eliminates rubbing through its quarter turn rotation to achieve metal-to-metal torque seating that delivers enduring tight shutoff with minimal maintenance. This unlocks improved process reliability with lower operating costs, all within a smaller footprint, reduced weight and with lower installation costs.



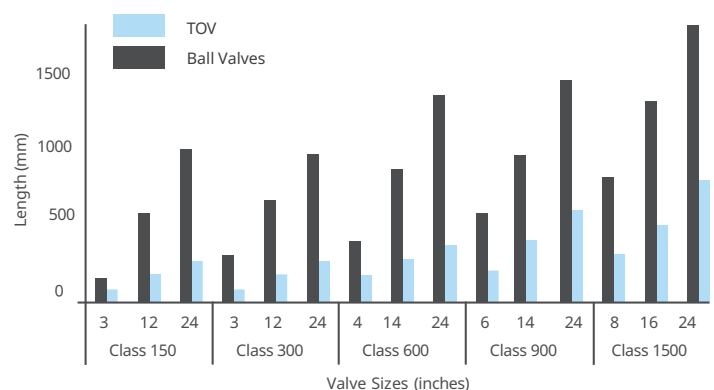
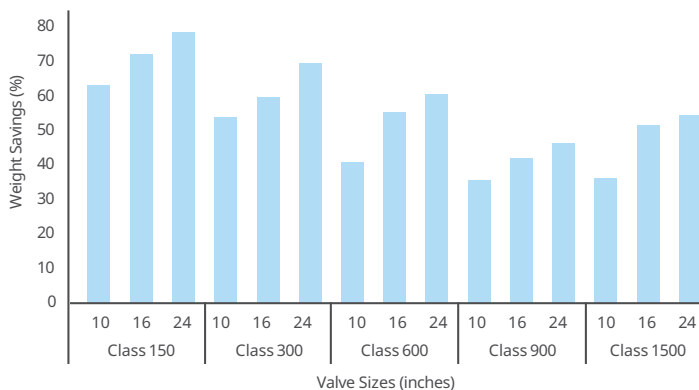
Reduced Weight

Triple offset valves are up to **80% lighter** than a comparable ball valve thanks to lower material use. In Class 1500, triple offset valves can be more than 50% lighter, which in absolute weight terms is a significant difference able to generate outstanding cost savings.

More Compact

Triple offset valves feature significantly shorter face-to-face dimensions which positively impact overall plant design. With **40-75% shorter laying lengths** compared to gate & ball valves, designers can minimize skid envelopes and boost reliability.

A comparison between triple offset valves and trunnion mounted reduced bore ball valves



Vanessa™ Triple Offset Valves

Isolation and Control in One



Vanessa TOVs allow isolation and control capabilities to be **combined in a single product**, eliminating the usual requirement for two distinct valves, further reducing the total installed cost, weight, and footprint.

Improved Safety Integrity Level (SIL)



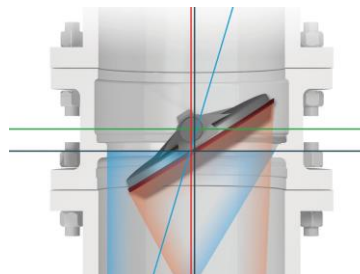
Vanessa TOVs can also contribute to reducing systemic failures. Their asymmetric design means the valves have an **intrinsically higher SIL**, compared to other valves as they are capable of supporting the protecting function, even in case of actuator failure.

Simplified Change Out



You can switch to Vanessa TOVs for improved process performance without the need for piping modification. Vanessa long face-to-face valves are designed in accordance with ASME B16.10 for a **simplified, rapid replacement upgrade** of gate, ball and globe valves.

Reduced Maintenance



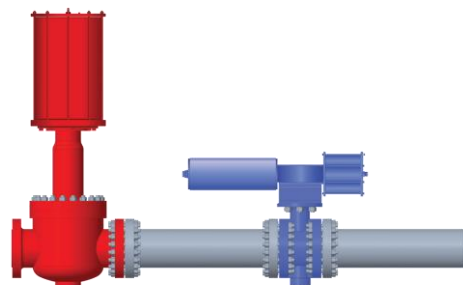
A non-rubbing design and zero cavities for solids accumulation **eliminates the need for planned maintenance in most applications**. For mandatory maintenance, simple, interchangeable spares are available at a lower cost compared to gate valves.

Minimized Fugitive Emissions



Vanessa TOVs improve process performance and **reduce fugitive emissions** with their quarter turn rotation design that eliminates any negative effects on packing caused by rising stems, such as extrusion and abrasion.

Lower Cost of Actuation



Thanks to the non-rubbing, metal-to-metal, quarter turn rotation, Vanessa TOVs feature a **lower and consistent torque demand** over the entire lifecycle, allowing for minimized safety factors and therefore reduced actuator sizing and footprint.