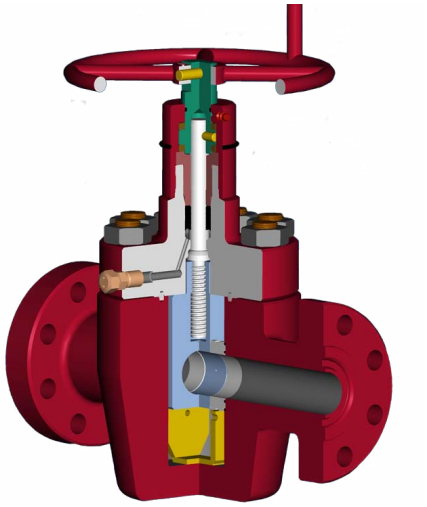
WFT-S Gate Valve

Weatherford's WFT-S gate valve uses the natural force of line pressure to provide an effective seal on the flow stream. The floating/slab-gate design of these valves creates a positive metal-to-metal seal, gate-to-seat and seat-to-body.

Designed for reliability and durability, this bi-directional valve controls flow and prevents materials from flowing past the seat back face. The WFT-S gate valve is available in flanged- or threaded-end configurations.

The WFT-S gate valve is engineered and manufactured to meet the highest quality standards and is documented per API-6A specifications, qualifying it to bear the API-6A monogram. In addition to a wide variety of trims, temperature ratings, and PSL levels, The WFT-S gate valve is also available as either PR1 or PR2.



Applications

- Wellhead Christmas trees, manifolds, and casing valves

Features, Advantages and Benefits

- The WFT-S gate valve's positive metal-to-metal sealing (gate-to-seat and seat-to-body) provides reliable, effective metal sealing.
- A non-rising stem of tungsten carbide high-velocity oxy fuel (HVOF) is featured on the gate and Stellite® 3 seat interface, providing longer valve life.
- Two V-type spring-loaded seat seals are pressure-energized and non-elastomeric. These seals are designed on each seat body, preventing foreign materials from flowing past the seat back face.
- Spring-loaded, pressure-energized steam seals are designed with a thermoplastic material for reliable performance.
- The WFT-S gate valve features a metal-to-metal bonnet gasket (modified BX design).
- The back-seat stem feature enables seal replacement under pressure for safe operations.

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