

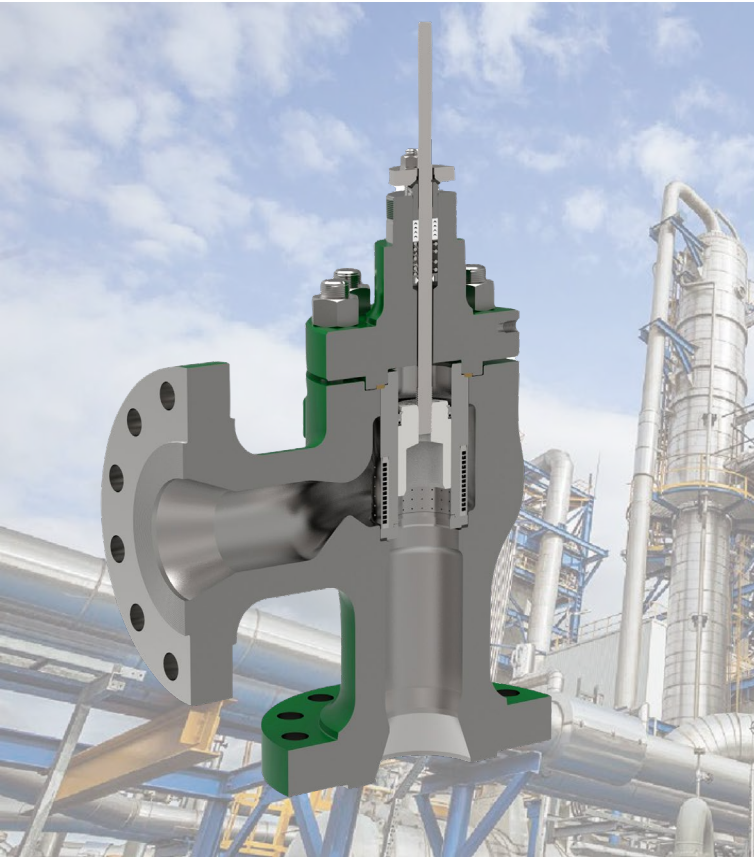
Fisher Controls OTSG Steam Letdown Valve

Severe Service Technology



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Customer Problem: Steam erosion with some liquid cavitation can cause steam blowdown valves to experience body and trim damage.



Fisher HP series control valves are single-port, high-pressure, globe- or angle-style valves with metal seats, cage guides, and push-down-to-close valve plug action.

These valves are designed for demanding high-pressure applications in process control industries such as power generation, hydrocarbon production, chemical processing, refining and oilsands.

Local Service

Spartan's Fort McMurray repair facility offers 18,000ft² of shop space with dedicated service advisors, valve and actuator technicians. 10T bridge crane w/ 20feet lift height and a hydro stand capable of shell and seat leak testing for up to 36" valves makes for safe, efficient and effective repairs

Reduced Cost of Maintenance

Extends service life of valve decreasing downtime

Upgradeable

Depending on the Fisher Valve installed it may be upgradeable to a new trim solution for longer service life.

Allow Spartan Controls to be your valve partner for your oil sands applications.

Contact Matt Neilands at Spartan Controls Calgary.
403-695-2570



The protected inside seat for control valves addresses seat leakage due to plug-tip erosion.



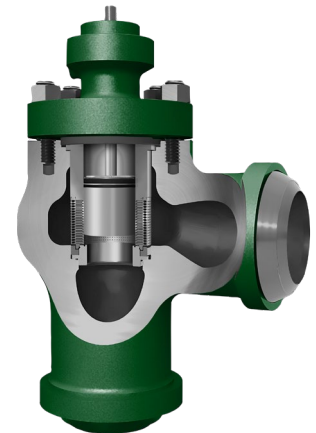
The Fisher protected inside seat is designed to address seat leakage due to plug-tip erosion caused by entrained particulates in the flowing medium. The damage can occur when the particulate, driven by the water exiting the cage holes, causes serious damage when the plug tip is located in front of the holes for an extended period of time. This damage prevents proper plug and seat contact, resulting in decreased shutoff capabilities of the valve assembly. The decreased shutoff of the valve assembly can then lead to further and accelerated trim erosion damage.

Solution

Control valves are not meant for isolation. Unlike ESD (on-off) valves, control valves (by design) will always pass once in service. Further, when subjected to dirty service, the leakage specifications are degraded the longer the valves are in service.

Over time, seals and shutoff surfaces get compromised ultimately leading to higher leakage rates than when valves are tested on the bench.

Spartan has tested and proven that with the Protected Inside Seat; we can reduce downtime, reduce maintenance costs, and provide a longer lasting trim and maintain a Class IV shutoff.



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