



ANNOUNCEMENT - SIL CERTIFICATION



FPS 9650 Valve Series - SIL Certification

Fossil Power Systems Inc. (FPS) is dedicated to the continued development of new and existing products to provide a diverse offering to our customers. FPS is excited to announce the receipt of a **Functional Safety Certification for the FPS 9650 Valve Series.**

The 9650 Valve Series are electro-pneumatic quarter-turn automated ball valves and serve as a final element in a Safety Instrumented System (SIS). The safety function of the element is to return the ball to the designed fail-safe position within a specified time. The functional safety certification has been assessed as per the requirements of IEC61508:2010 and meets the requirements of providing a **Safety Integrity Level of SIL 3.**

Unlike conventional automated ball valves used in functional safety applications where the individual components of the assembly – valve body, actuator, solenoid – contain individual sets of failure data, the FPS 9650 Valve Series is a complete SIL rated assembly. This provides customers and end users alike with failure data for a complete automated packaged which streamlines SIF calculations and allows FPS to provide a designed comprehensive valve package.

The 9650 Valve Series is capable for use in SIL2 @ HFT = 0 and SIL 3 @ HFT = 1

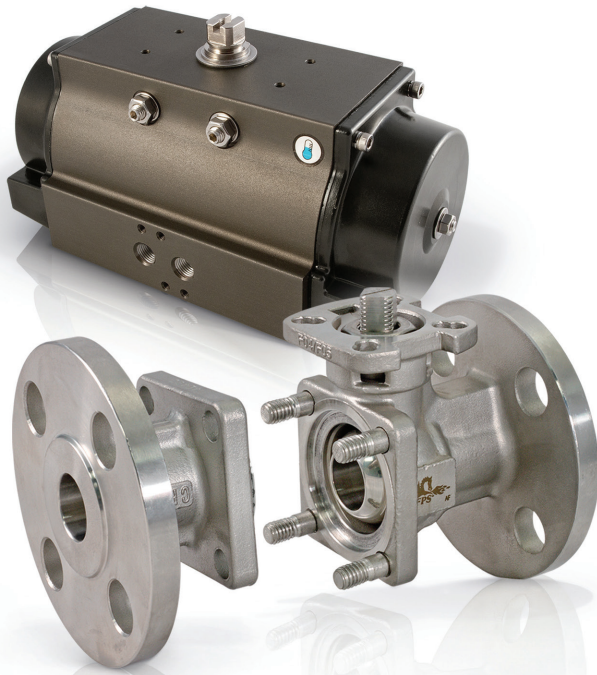


New Opportunities for Risk Mitigation

CERTIFIED ASSEMBLIES



Valve Body	Line Size	End Connections
Series 88	1/4" - 2" NPS	SW and NPT
Series 90D	1/2" - 6" NPS	150# RF Flanged



PRODUCT DESIGN AND SPECIFICATIONS

- Bi-Directional Seal with PTFE or RTFE Soft Seats
- Suitable for Gas, Oil, Water, Air or Steam
- CF8M or WCB Body Material
- Spring Return Actuators
- ASCO Solenoids available in: 12VDC, 24VDC, 120VAC and 240VAC Operating Voltages
- Limit Switch with Visible Beacon Indicator and 2-SPDT Mechanical Switch
- Assemblies Rated for Non-Hazardous and Hazardous Areas
- Ambient Design Temperature Range:
-40degC to 50degC

Additional Approvals:

- API 607 FireSafe
- CSA 6.5
- FM 7400



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