



Valtek Burner Management

Safety Shutoff Valve Series



Experience In Motion



Valtek Safety Shutoff Valves

With more than 100 years of industry expertise, Flowserve understands the needs of the customer. Valtek Safety Shutoff Valves are the preferred valves to help ensure effective and safe operation for demanding burner fuel shutoff valve applications. Our robust valves and actuators offered with our advanced seat design, integrated limit switches and accessories are designed to cope with the demands of all types of burner fuels.

Ensuring all products are high quality and top performing are priorities for Flowserve. Valtek Safety Shutoff Valves are cost effective, compact, modular, high-performance valves that are optimized for exact control and continuous operation. These valves are designed according to the NFPA 85, 86, 87 and FM 7400 requirements and have a long life span and use advanced, innovative technology solutions. Customers across the globe can have peace-of-mind with Valtek Safety Shutoff Valves helping ensure safe operations.

Applications

In liquid and gas applications, high capacity and varying pressure drops are typically required – Valtek Safety Shutoff Valves can handle both, potentially eliminating the need for a costly upstream, pressure-reducing regulator. High flow rates are achieved by providing an unrestricted straight through port and the soft seat design provides ANSI/FCI 70-2 Class VI seat tightness, far exceeding the requirements of FM 7400 standards for safety shutoff valves.

Safety Shutoff Valve Service

- Provides Proof of Closure “POC” switch function as required with dome positioner indicator style
- Includes integrated solenoid valve
- Includes FM labeling as a Fuel Service Shutoff Valve
- General Industries – Oil and Gas
- Available in carbon steel, stainless steel, Hastelloy and Monel
- Less than one second closure per FM 7400 requirements
- Suitable for liquid or gaseous fuels
- Only available in soft seat design
- Valtek valve is SIL 3 capable



Valtek Limit Switches and Accessories for Safety Shutoff Valve Applications

XCL Limit Switches

Extreme switching accuracy for dependable, repeatable interface with burner management systems/PLCs. Available in explosion proof or intrinsically safe versions.

Solenoid Valves

Integrated solenoid valve for fast, immediate response to close or open commands. Available in brass, stainless steel and aluminum materials with either AC or DC coils.

Environmental Packing

Available with optional SafeGuard or Sureguard packing sets which are approved, tested and certified packing arrangements in accordance with ISO 15848-1.

Specifications

Materials

- Monel
- Hastelloy
- Contact factory for other special alloys

Sizes

- ANSI 1" to 10"

Pressure Classes

- ANSI Class 150 to Class 600

End Connections

- Flanged or Wafer, depending on size

Soft Seat Design

Valtek – Spring Cylinder Rotary Actuator

The Valtek spring cylinder rotary actuator combines high torque and pneumatic stiffness with excellent shutoff capabilities. These characteristics are designed in a lightweight, robust and compact assembly, making the Valtek rotary actuator the foremost choice for Valtek Safety Shutoff Valves.

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