



Valtek® Compressor Anti-Surge Valve

Achieve maximum productivity while reducing surge risk

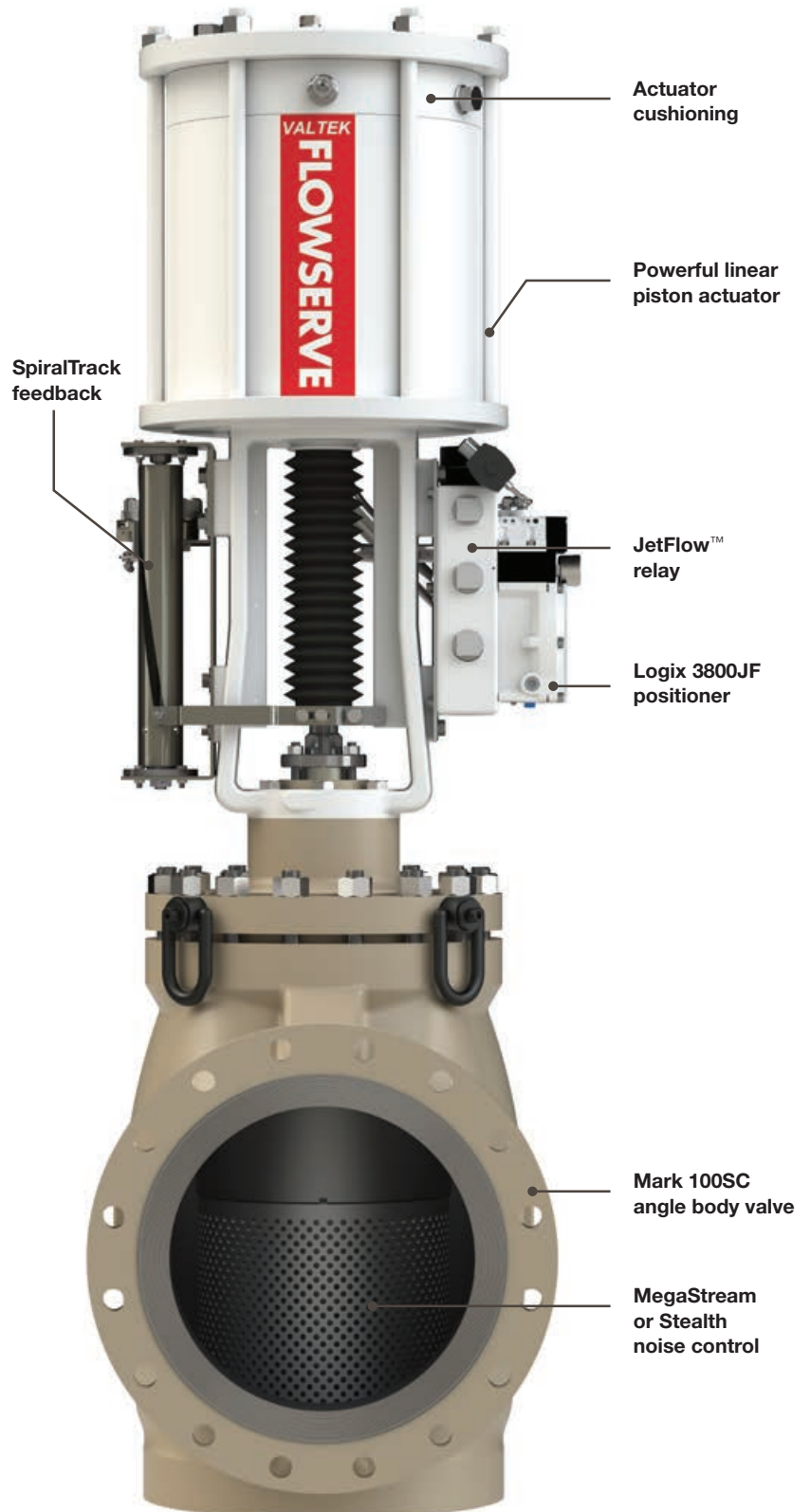
Operators pushing the limits of their compressors risk inducing compressor surge, which results in equipment failure and downtime. While compressor anti-surge valves help reduce this risk, most fall short in capacity requirements, control and speed.

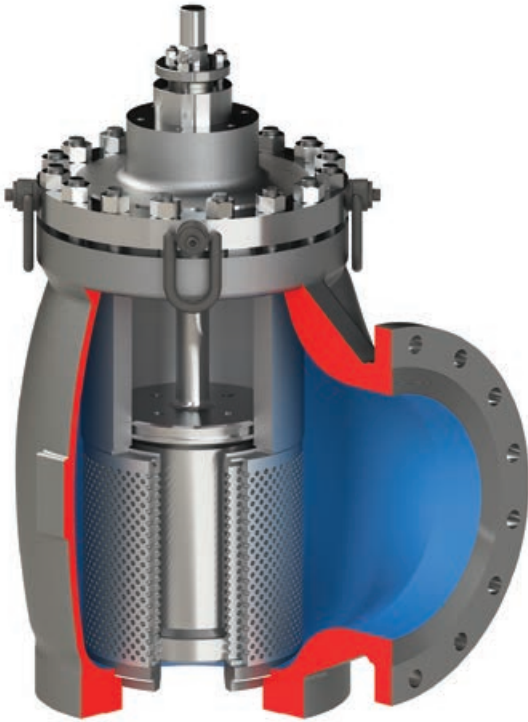
The Flowserve Valtek Compressor Anti-Surge Valve is a revolutionary solution to anti-surge control that combines precise control and fast responsiveness in an easy-to-calibrate and easy-to-maintain valve. It lowers the risk of intermittent surge and provides both noise and velocity control while balancing precise positioning capability and extremely fast stroking speeds.

With the Valtek Compressor Anti-Surge Valve, operators can run their compressors near the surge line, increasing productivity without the risk of catastrophic surge damage.

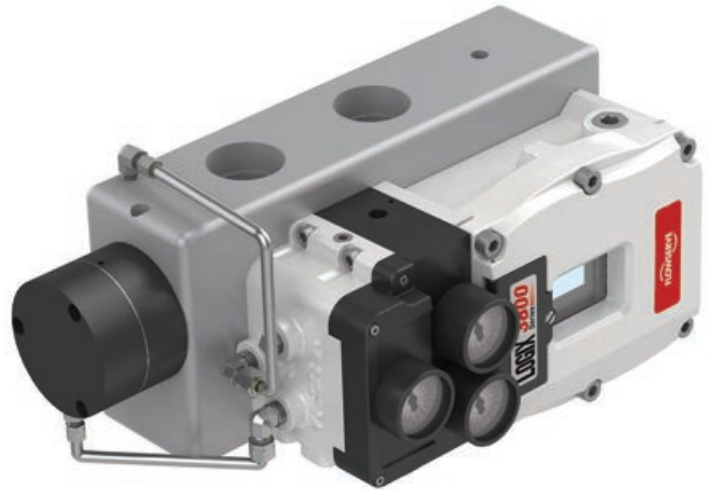
Key components

- Mark 100SC™ angle body valve
- Logix 3800JF™ positioner
- MegaStream™ noise control
- Stealth™ noise control
- Linear piston actuators
- Actuator cushions
- SpiralTrack™ feedback





Mark 100SC angle body valve



Logix 3800JF positioner

Features and benefits

Precision control and fast stroke speed — The revolutionary Logix 3800JF positioner overcomes the conflict between precision and speed, delivering exceptionally fast stroke speed coupled with precision control.

Simple to set up and tune — A simple design reduces complexity and eliminates the need for volume boosters. A one-button configuration simplifies set-up and tuning.

Noise and vibration control — Longer service life and reduced system wear and tear are enabled by advanced noise control trims that deliver high flow rates while keeping emitted noise and resulting vibration levels low.

Ease of maintenance and upgrades — The easy-to-maintain design can be tuned and repaired without the need to rely on factory experts. Additionally, the Logix 3800JF positioner is easily retrofitted to existing installations.

Applications

Flowserve designed the Valtek Compressor Anti-Surge Valve to succeed when facing the difficult challenges of liquefied natural gas (LNG) surge control applications. The valve is also suited for many other industries and applications. Typical applications include:

- LNG processing
- Natural gas transmission stations
- Refinery gas compression
- Olefin production
- Chemical plants using natural gas as feedstock
- Oil and gas exploration