



# COMPRESSOR ANTI SURGE VALVES FOR LNG LIQUEFACTION APPLICATIONS

It all flows from expertise.

## Engineered Excellence for LNG ▶

At Severn, we have a strong track record in the provision of Compressor Anti-Surge Control Valves for some of the world's largest and most significant LNG processing facilities.

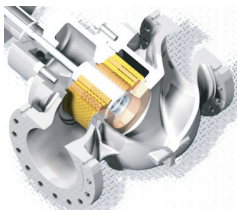
Our experienced valve engineers have the skills and knowledge to develop effective solutions for the most challenging process conditions. This including severe service applications and processes which involve extreme temperature and pressure variations.

## Severn Trim Solutions ▶

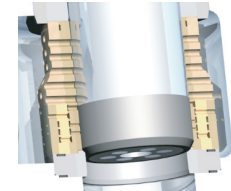
The Severn trims are specifically designed to offer the maximum amount of energy dissipation within the valve trim. The trims are tailored to the specific process condition, Enabling the valve to operate at its full potential. Preventing issues such as increased noise and valve hunting. The unique way our trims are designed to ensure all the process conditions are handled correctly means the user can ensure the valve is operating at maximum efficiency.



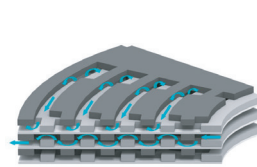
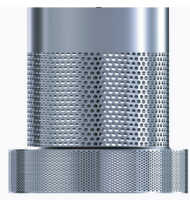
**30" 150# Compressor Anti Surge Valve**



**1CC :** The trim balances pressure and noise control with high capacity, providing robust pressure letdown in less severe applications.



**Vari Stage :** By accommodating both high - pressure/noise reduction at low lifts and the high capacity required for anti-surge, this trim provides the end user with an optimal solution.



**MLT:** Our patented technology allows the Multi Labyrinth Trim to incorporate up to 48 turns in a compact design, effectively minimizing on-site noise and vibration problems.

## Why to Choose Severn's Compressor Anti-Surge Valves? ➤

### Proven in Critical LNG Applications:

Engineered for reliability and speed, our valve has consistently excelled in anti-surge and process control applications within demanding LNG environments, ensuring optimal performance and operational safety.

### Very Fast and Accurate Response:

Combines ultra-fast opening capability upto 24-inch stroke and a smart Positioner for precise control, ensuring rapid and stable anti-surge protection.

**Energy and Flow Efficiency:** Severn Trim Technology optimizes flow paths and dissipates energy efficiently, reducing noise, cavitation, and wear.

**Reliability:** The Severn solution has been proved over decades of use in the most extreme environments. We have provided the anti surge solutions for many high-profile customers that were required to meet the most stringent anti surge specifications in the market.

**Capacity:** Severn's anti-surge valve capacity is determined through meticulous selection, combining detailed application analysis, process condition assessment, and extensive industry experience, ensuring reliable, high-performance solutions with minimized lifecycle maintenance.

**Ability to achieve stringent performance with no concessions:** Severn understand the stringent requirements of achieving the performance specifications for anti surge valves. Severn can provide accurate real-world modelling of the final design to ensure the end user receives the best performing valve for the application. No concessions and a reliable product for the most demanding applications.

## Contact ➤

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### Also available



Field Cryogenic  
Valves



Cold Box Cryogenic  
Valves