Tired of trying to navigate and diagnose compressor performance and surge events with your current “black box” control? Want to have at your fingertips a complete view of performance control issues with the ability to adjust and maximize productivity and effectively avoid high-cost impacts of surge events?

Woodward’s easy-to-use, off-the-shelf Vertex control opens a new window into compressor performance and anti-surge control eliminating the “black box” and enabling you to configure, optimize, and manage production and protection of your plant process.

For more information: www.woodward.com/vertex.aspx

**OEM Qualified**
- Anti-Surge Detection ✓
- Performance Control ✓
- Patented Rate PID ✓

API 617 and API 672 Compliant
Integrated Solution

Vertex’s integrated HMI opens a new window into compressor control, especially in compressor load-sharing environments. Other solutions require multiple devices from several vendors that require substantial and continuous integration efforts. Now, you can have one integrated, purpose-built device for complete compressor control and anti-surge protection along with expanded I/O to control auxiliary functions. The control is field proven in over a thousand installations around the globe, continually delivering on Woodward’s foundation of reliability, performance, and excellent support.

Robust Platform

Proven robust Class 1, Div. 2 platform for industrial and power generation use including: upstream gas production, GOSP (gas-oil separation package), offshore, subsea, and NGL-LPG; downstream refining, ethylene/propylene, methanol, polyethylene, and PTA (purified terephthalic acid); and processes in steel mills, sulfur plants, utility plants, waste water treatment, cogeneration, chemical plants, and synthetic fuel processing.

Patented Anti-Surge

Woodward’s patented Rate Limiter PID control function senses the acceleration of the calculated control point to anticipate surge conditions and respond before a severe surge event occurs. Vertex utilizes proprietary flow filtering techniques and control algorithms that are invariant to changes of mole weight to ensure limited process variations and infrequent need for boost action.

Purpose-Built

The Vertex controller is field configurable, allowing users to configure/select the specific control algorithm required for the specific compressor loop and application. The control’s special stage-to-stage and performance controller decoupling logic allows stable control during normal compressor operation as well as during plant upsets, minimizing process over- or undershoot conditions.

NO MORE BLACK BOX, A NEW WINDOW OF CONTROL

For nearly 150 years, Woodward has provided leading-edge turbomachinery controls and fuel systems that are robust and reliable and that our customers rely and trust for their daily operations.