



For **Severe Service** Control Solutions, Turn to Fisher Technology and Innovation

## FISHER SOLUTION PROTECTS COMPRESSORS ON CHINA'S EAST-WEST PIPELINE

When completed, the 2500-mile-long East-West Pipeline in China will carry 12 billion cubic meters of natural gas per year. The majority of this gas will be used for the country's ongoing power generation. The pipeline includes ten separate compressor stations responsible for maintaining pipeline pressure. To protect the compressors from the detrimental effects of surge or rotating stall, each station will include Fisher® antisurge valves. Besides protecting the mechanical components of the compressors, these valves will improve turndown ratios, minimize energy consumption, and enhance compressor efficiency.

The twenty, 12-inch Fisher optimized antisurge valves will incorporate the latest technologies for noise attenuation and vibration control. The valves must be able to open quickly in the event of a surge condition while providing accurate throttling control with minimal overshoot during normal operation.

The valve assemblies include FIELDVUE® Digital Valve Controllers, which represent the latest in on-line diagnostic technology. With these instruments, diagnostic information can be collected, viewed, and analyzed in real time, without shutting down the valve or disturbing the process. A red, yellow, or green light indicator identifies the severity of the problem. If an alert is triggered, the performance problem, its potential cause, and a recommended action are displayed. These alerts enable plant operators to schedule maintenance, rather than wait for a potentially costly valve failure to occur.



Besides providing the latest in valve-performance monitoring, the Fisher optimized solution also reduces field-tuning time. Traditional antisurge valves require up to 12 hours of in-field tuning to yield desirable results. With the Fisher optimized solution, tuning time is reduced to an average of 30 minutes, without the need for a factory-trained technician. This is possible because Fisher designed the system with accessories that work well together.

Antisurge valves are critical to the proper operation of any compressor station. Technical advancements add up to a more reliable solution for protecting the compressor, increasing its efficiency, and reducing both cost and risk. Thus, the Fisher Severe Service group will help China keep its East-West pipeline on-line and operational.

For more severe service solutions, see us at [www.fishersevereservice.com](http://www.fishersevereservice.com).

