



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

## FISHER®-OPTIMIZED ANTISURGE VALVES MEET CRITICAL PERFORMANCE DEMANDS AT AN OLEFINS PRODUCTION PLANT IN BELGIUM

In late 2004, an olefins production plant in Antwerp, Belgium had problems with two antisurge valves that were inappropriately sized for the critical, gas-compressor application. The original specification required only a two-second stroking speed, which the valves provided. Plant operators soon realized that much more was needed from the valves in terms of performance. Problems with the original surge valves caused environmental issues that kept the plant from operating and resulted in serious lost-time production costs.

The site managers contacted Fisher® sales personnel in Brussels and surge-control experts from the Severe Service group in Marshalltown, Iowa, USA. Together, the Fisher team specified new valves to meet the site's critical performance parameters. Fisher supplied two replacement valves that retained the fast-stroking speed, but featured characterized trim, minimal hysteresis, improved performance monitoring, and the ability to respond to small step changes.

When placing the order, the customer included a bonus for meeting an expedited delivery schedule. The customer flew a team from Belgium to Iowa to witness the Factory Acceptance Test (FAT). Fisher Engineering and Manufacturing personnel worked together to ensure that these critical valves met customer expectations and shipped on time.

Fisher-Marshalltown shipped a 16-inch Design EU and an 8-inch Design ET with WhisperFlo® trim in November 2004. The heart of the Fisher®-optimized antisurge control valve system, however, is its actuation. Fisher antisurge valves improve operating performance, simplify startup and commissioning, and reduce by 50% or more the number of accessories typically found in antisurge valves. The Fisher-optimized system also reduces tuning time from an average of 12 hours (for conventional anti-surge valves) to as little as 30 minutes.

The two new Fisher valves are installed and operating as expected. Since the valves were installed, the facility has experienced no interruptions in its production of propylene, ethylene, and butylene.

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



Severe Service