



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

## LNG FACILITY LOOKS TO FISHER TO MEET ANTISURGE NEEDS

An LNG facility in Brunei needed to replace all of its existing propane and mixed refrigerant compressor antisurge valves. The 25 existing valves will be replaced by the Fisher optimized antisurge control valve system. The plant turned to the Fisher Severe Service group, who have proven their ability to understand and meet stringent valve-performance criteria.

The heart of the Fisher® optimized system is its actuation design. The actuator is installed with a cushioning system that provides a controlled deceleration into the travel stops, preventing the damage that can occur when the heavy valve plug moves from one stop to the next. The optimized package also reduces by 50% the number of actuation accessories typically found in antisurge valves. This not only improves operating performance but also reduces startup and commissioning time.

Because reliable, high-performance antisurge control requires the latest technology, Fisher antisurge valve assemblies feature two important accessories. The 12-inch through 30-inch valves include WhisperFlo® noise abatement trim with its field-proven, spoked-plug design. This multi-path, multi-stage noise-abatement technology can reduce noise by up to 40 dBA. The ability to custom-characterize the WhisperFlo trim optimizes the valve's size yet minimizes the size of its downstream piping. A FIELDVUE® Digital Valve Controller enables plant personnel to monitor these critical valves on-line. Diagnostic information can be collected, viewed and analyzed in real time, without shutting down the valve or disrupting the process.

Because antisurge valves are critical to plant operation, users learn to appreciate features and benefits of the Fisher optimized system.

- The valves will open in less than two seconds, as well as meet stringent closed-loop control criteria.
- The linearity of the control signal is less than 0.75%, and the valves will have minimal overshoot in the open and closed directions.
- It typically requires about 12 hours to tune a conventional antisurge valve. With fewer accessories and diagnostic capabilities, tuning time for a Fisher antisurge valve averages 30 minutes.

All this adds up to a more reliable antisurge-valve solution for protecting compressors, increasing efficiency, and enabling predictive maintenance that reduces the risk of operations downtime.

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

