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

FISHER ANTISURGE VALVES PROTECT COMPRESSORS AT NEW GAS PRODUCTION FACILITY IN QATAR

A new 1.75 billion cubic feet per day (BCFD) gas production complex in Qatar will use Fisher-optimized antisurge valves to protect its critical compressors from the detrimental effects of surge and rotating stall. Engineers from the Fisher Valve Division and its Severe Service group worked with the end-user in Qatar, a compressor supplier in Italy, and an engineering contractor in Japan to meet the application requirements.

After viewing "live" demonstrations and comparing performance-test results, the purchasing team chose the Fisher antisurge valve package. Conventional antisurge valves require the user to be at the device for tuning, but the Fisher-optimized antisurge solution enables users to tune and monitor the valve's performance from the comfort and safety of a control room.

For the Qatar facility, Fisher will supply a total of 19 antisurge valves ranging in size from 6- to 30-inches and covering the Design HP, EW, and FB (fabricated body) product lines. All of the valves include antisurge actuation systems, Whisper III and WhisperFlo® noise abatement trims, and FIELDVUE® digital valve controllers.

The valves will be installed in a gas production facility. The Fisher antisurge package meets fast-stroke application requirements, provides on-line diagnostic capabilities, reduces commissioning time, and improves long-term valve performance. The noise abatement trims were designed to meet a minimum turndown of 150 to 1.

On-line diagnostic capabilities were another important feature and selling point. Performance data can be collected, viewed and analyzed in real time without shutting down the valve or disrupting the process. Red, yellow, or green signal alerts identify and prioritize any potential problems. If an alert is triggered, the problem, its probable cause, and a recommended action are displayed, allowing operators to schedule maintenance before a costly failure occurs.

Valve shipments are expected to begin by year-end 2004.

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