

Natural Gas Pipeline Company Selects Auma Electric Actuator with Remote Mounted Controls For Pipeline Vibration Application

The Client

Gas Transmission Co.

The Challenge

- Safe Operation
- Pulsation
- Cold & Snowy Western New York Winters

The Solution

- (8) SAEx10.2/GS125 for 12" Cameron T-31 with Remote Mounted Controls
- (2) SAEx07.6/GS80 for 4" Rockwell Plug Valve with Remote Mounted Controls

The Result

- On-Time Project Completion



One of the largest Natural Gas Transmission Utilities in North America awarded R.M. Headlee Co., Inc. with two orders for AUMA electric valve actuators. These explosion proof actuators are installed at a transmission compressor station on ANSI Class 600 suction, discharge and by-pass API-6D trunnion ball valves and plug valves.

The challenge was sourcing an alternative actuator from their standard that would offer safer installation for technicians operating the valves in local mode. To reach each valve required a tech to crawl under pipe headers in very small space. Furthermore, pulsation induced vibration from the reciprocating compressors was causing faults and mechanical failures.

The solution to both issues was specifying the AUMA units with vibration trim, remote control heads and robust limit switch machined gears. The indicator plate assembly has a double O-ring design rated to IP68-8 eliminating rain or snow water ingress that would freeze and crack the actuator housing. Adaption plates and hardware were provided allowing easy field installation to older valves.

