

Fisher Commercial Service Regulator Eliminates Secondary Overpressure Protection Device

CHALLENGE

Due to limited relief capacity in an existing commercial service regulator at a natural gas utility, overpressure protection was required for the downstream system. Traditionally, overpressure protection was achieved by means of a secondary overpressure protection device (relief valve and a vent stack). Unfortunately, the relief valve and vent stack increases the cost, installation time, meter set footprint, and a number of connections for potential leaks.

SOLUTION

A Fisher CS800IQ Commercial Service Regulator was selected and installed to provide an increase in relief performance over the existing regulator. In the event of an overpressure occurrence, the CSR800IQ also satisfies the downstream system protection relief requirements. This eliminated the need for a secondary overpressure protection device and associated piping.

RESULTS

The CS800IQ high capacity relief satisfied the downstream system overpressure protection requirement, alleviating the need for a secondary overpressure protection device. This eliminated the cost of the secondary overpressure protection device itself, and also reduced the cost and time needed for fabrication and installation. Finally, this change also eliminated the potential leak point associated with a secondary overpressure protection device, no longer required with this upgrade to the Fisher CS800IQ.

One-Time Savings (per meter set): \$1,800



Existing regulator with secondary relief and vent stack downstream of the regulator.



CS800IQ with high capacity relief eliminated the need for secondary overpressure protection device.



CONTROL SOUTHERN 

When integrity leads, success follows