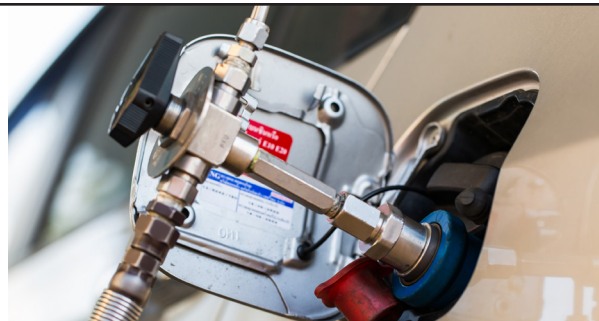


TESCOM™ Regulators Take Pressure off CNG Fueling Equipment OEM

RESULTS

- Upgraded back-pressure regulators for reduced hysteresis
- Provided better pressure control and higher field reliability
- Eliminated alarm trips and system shutdowns resulting from improper BPR operation
- Allowed easy installation with minimal configuration



APPLICATION

Back-pressure regulators for CNG filling equipment

CUSTOMER

CNG fueling station equipment manufacturer

CHALLENGE

A compressed natural gas (CNG) fueling station manufacturer desired a better experience for the customers using its equipment. The company strove to provide the same convenience as diesel and gasoline fueling stations in terms of fill time, simplicity, and safety. To improve the field performance and reliability of its equipment, the manufacturer required optimized back-pressure regulators (BPR) to control the filling and recharge pressure of its CNG tanks. The previous BPR unit had difficulty controlling the pressure, causing alarm trips and system shutdowns. In addition, the BPR needed time-consuming field configuration, since it could not be preset at the factory.

SOLUTION

The customer selected Emerson's TESCOM 54-2300 Series regulator for the CNG compressor's pressure control to enable rapid recharge of the filling tanks. Emerson's technical team worked with the customer to provide substantially reduced pressure hysteresis during normal operation for better control and field reliability. In addition, the TESCOM BPR could be preset at the factory, allowing easy installation and minimal configuration. The customer has not experienced any performance issues over the first 12 months of operation and is standardizing on Tescom BPR products.

Emerson's technical team worked with the CNG fueling equipment OEM to provide substantially reduced pressure hysteresis during normal operation for better control and field reliability.

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