

Emerson solution controls flow on new gas distribution panel

BENEFITS

- Easy integration with other components
- Offered proven reliability
- Controlled gas flow at multiple pressures
- Conformed to CRN and CSA standards
- Enabled real-time pressure monitoring



APPLICATION

Electric & gas welding and soldering equipment

CHALLENGE

A company selling industrial equipment and services into welding, plasma-cutting, and gas management markets developed a new automatic gas distribution panel. The panel enabled users to switch from one CO₂ tank to another while maintaining constant flow and pressure. The product was designed for food and beverage, medical, and industrial applications, and required a pressure regulator and solenoid valves to control the gas flow. Specifications called for highly reliable components that conformed to CRN and CSA standards, the option to control flow at different inlet pressures up to 5000 psi, and real-time monitoring capability.

SOLUTION

The equipment manufacturer selected an Emerson package that included TESCO[™] SG1 Series regulators and ASCO Series 381 solenoid valves. The ASCO valves passed the CSA endurance test to 100,000 cycles, and the TESCO regulators could control gas flow at multiple inlet pressures. Both products conformed to CRN and CSA standards and enabled real-time pressure monitoring and could be easily integrated with the other components in the gas distribution panel. In addition, the customer valued Emerson's brand promise for quality and reliability.

Emerson provided the customer with high quality, reliable TESCO[™] pressure regulators and ASCO[™] solenoid valves that met CRN and CSA standards. The customer was impressed with the products' simple integration with other components.

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