

Emerson's ASCO™ valve improves reliability of manufacturer's fire suppression equipment

RESULTS

- Provided sample for initial customer testing
- Offered high reliability and extended service life
- Achieved FM rating for hazardous location operation

APPLICATION

Nitrogen generators

CUSTOMER

Fire suppression equipment manufacturer

CHALLENGE

The manufacturer of fire suppression equipment designed a new line of nitrogen generators. The new products filtered bacteria, particulates, and impurities from the system's fill water and eliminated the oxygen that corroded the sprinkler piping. During a regularly scheduled piping system fill test, the operator would place the nitrogen generator in manual bypass mode, triggering an audible and visual alarm. A 24 VDC signal was sent to a solenoid valve to open the system's diversion path. The manufacturer needed a highly reliable valve for the new product line, since the bypass function was a critical part of the fill test. The valve also required FM approval for hazardous location operation.

SOLUTION

Emerson quickly delivered a sample of an ASCO™ Series 210 solenoid valve for testing in the nitrogen generator's bypass circuit. Based on the successful completion of the test, plus the ASCO product line's reputation for quality, the fire suppression equipment provider chose the Emerson solution. The customer valued that Emerson tested ASCO valves to more than one million cycles. In addition, the Series 210 valve was FM-rated, making it easier for the manufacturer to achieve FM approval for its entire product line. The customer was pleased with the valves' performance and will be purchasing ASCO angle-body piston valves for another product line.



The customer was impressed with the performance of the ASCO™ Series 210 solenoid valve and plans to purchase other ASCO valves to use on their machinery.

Emerson Automation Solutions

160 Park Avenue
Florham Park, NJ 07932 USA
+1 800-972-2726
ASCO.Info-Valve@Emerson.com

The Emerson logo is a trademark and service mark of Emerson Electric Co.
The ASCO trademark is registered in the U.S. and other countries.
© 2019 Emerson Electric Co.

ASCO™

For more information:
www.Emerson.com/ASCO