

Simplified maintenance for drug manufacturer's new fermentation line is prescribed by Emerson

RESULTS

- Offered easy pneumatic system integration with DeltaV DCS
- Cut system installation time
- Provided quick access to panel-mounted components
- Simplified troubleshooting with onboard diagnostics
- Reduced production downtime with Auto Recovery Module



APPLICATION

Pharmaceutical Production Line Solution

CHALLENGE

A pharmaceutical manufacturer built a new fermentation facility and specified an advanced control system to manage production. The system called for a comprehensive pneumatic control solution with Profibus communications that was easy to install and configure. The drug maker wanted technicians to have easy access to the panel-mounted control valves. In addition, the specifications required the pneumatic system to generate diagnostic messages that allowed for prompt identification of maintenance issues.

SOLUTION

The drug company was impressed with Emerson's product reliability and expertise in pharmaceutical production. Emerson was the only supplier that could offer a complete pneumatic solution that integrated easily with the drug company's DeltaV™ distributed control system (DCS). The solution consisted of a Numatics™ G3 electronic fieldbus platform, Numatics Series 501 directional control valves, and 12-station manifold with Profibus communications. The panel-mounted, dual 3-way valve configuration enabled easy valve access, and onboard diagnostics simplified trouble shooting. The G3 platform's Auto Recovery Module generated English-language messages for quick identification of maintenance issues. It also reduced production downtime when a component needed replacement or if system failure required a rapid reset.

The drug company valued Emerson's expertise in the pharmaceutical industry. The addition of the G3 electronic fieldbus reduced downtime if a replacement was needed or if there was a system failure.

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