

Emerson solution accelerates fermentation facility start-up at pharmaceutical plant

RESULTS

- Provided compact process control solution
- Installed panel-mounted valves that saved time and cost
- Offered easy access to valves and manifolds
- Integrated valves directly with DeltaV DCS
- Eliminated need for Ethernet IP communications
- Reduced commissioning time



APPLICATION

Pharmaceutical preparations

CHALLENGE

A pharmaceutical company built a new fermentation facility that was controlled by an Emerson DeltaV™ distributed control system (DCS). The company wanted an Emerson process control solution that was easy to configure within the DeltaV environment and offered complete interoperability with the production system. A single connection and seamless integration from the pneumatic control valves to the DeltaV architecture were desired with redundant communications and backup power. In addition, the pharmaceutical manufacturer wanted the control valves installed in panels for easy access.

SOLUTION

Emerson provided the drug company with a complete process control solution that included panel-mounted ASCO™ Numatics Series 501 directional control valves in dual, three-way manifolds, plus an ASCO™ 580 CHARM Node. With the compact solution the customer had easy access to the valves and saved time and cost. The 580 CHARM Node enabled the connection of the control valves directly to the DeltaV DCS via electronic marshalling, making integration effortless and eliminating the need for Ethernet IP communications.

By working with a single supplier, the customer reduced commissioning time and accelerated start-up of the fermentation facility.

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