

Control panel manufacturer reduces costs by installing a complete communications package

RESULTS

- Space-saving component design lowers material costs
- Ultimate cost savings of 12 percent
- Easy upgrade to fieldbus technology



APPLICATION

Valve and control panel system.

CUSTOMER

OEM of control panels and automation systems for the dairy industry.

CHALLENGE

An OEM of automation and control systems for dairy applications wanted to reduce the material and labor costs of its control panels by moving to fieldbus technology. The company required a compact, robust and easy-to-configure valve package with three-way pilot valves to operate other devices within the system.

SOLUTION

Emerson experts offered a complete package consisting of AVENTICS™ Series 501 and 503 directional control valves, paired with the Series 580 fieldbus communications node and dual three-way valves. Together, these components met the OEM's requirements for space, ease of configurability and cost savings.

For example, the 580 communications node features an integrated graphics display for simple commissioning and is already programmed for the EtherNet/IP™ protocol. It is also housed in a compact design—enabling it to be placed in a smaller enclosure or create room for additional valves.

Pleased with the high quality of these components, the OEM also switched to AVENTICS™ Series 652 filters, regulators and lubricators, as well as Numatics Delta Series water separators.

Thanks to the compact design of these various components and use of a single supplier, the OEM experienced cost savings of 12 percent.

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