

# An all-in-one valves and pneumatic solution streamlines the upgrade process and reduces costs for California winery

## RESULTS

- Estimated upfront savings of \$20,000 by using a single supplier for valves, manifolds and other components
- A more streamlined fermentation tank system with reduced materials cost i.e. reduced piping, wiring and components
- The newly streamlined system combined with G3 Electronics enabled easier access to critical valves and I/O diagnostics reducing overall downtime



## APPLICATION

Wine Production

## CUSTOMER

Winery

## CHALLENGE

A California winery wanted to upgrade the facility specifically, its 100+ fermentation tanks. The goal was to streamline the tank design using updated valves, pneumatic manifolds and other components, which would make the tanks easier to maintain and use. Originally, the winery approached Emerson to talk about valve solutions only and intended to use other suppliers for the other components.

## SOLUTION

Emerson experts stepped in with a better, all-in-one solution that would save the winery time and money. The winery was offered a complete package consisting of ASCO™ Series X290 Pressure Operated Piston Valve, G3 Fieldbus Electronics Communications Node and air filters. Ideal for fermentation applications, the Series X290 consists of two air-operated valves on a single body with six ports. This design lets beverage makers use only one valve body to control both hot and cold glycol supply and return flows—reducing installation time and the overall bill of materials. The Series X290 also allows tight shutoff in both directions, eliminating potential clogging issues.

*Emerson's all-in-one solutions package, provided quality products from one supplier—streamlining the upgrade process, reducing installation time and saving money.*

And finally, it is certified for use in alcohol beverage processes with no risk of contamination for products in contact with the valve (French EXCELL Laboratory green label certification).

Combining the Series X290 with the G3 Electronic Fieldbus Platform achieves even greater levels of automation in fermentation temperature control. Compact and modular, G3 includes a range of innovative features, including a graphics display for easy commissioning and fault diagnosis, as well as compatibility with a range of industrial communication protocols.

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