

# ASCO™ valves help bourbon distiller keep sour mash under control

## RESULTS

- The stainless-steel construction could withstand the distilling process
- Reduced energy consumption with a 0.55-watt coil
- Provided exceptional reliability with multi-million-cycle service life



## APPLICATION

Distilled Liquors

## CHALLENGE

A bourbon distillery was looking to upgrade the automation packages that controlled its production process. As part of the effort, the company had to replace the solenoid pilot valves that operated the process valves and actuators regulating the ingredients, sour mash, and whiskey in its tanks. The distillery needed a low-wattage valve with manual override that would connect to a PLC. Explosion-proof rating were also necessary for most parts of the facility where the liquor distillation process was operating. Finally, a highly reliable valve was desired to ensure limited downtime. A pilot valve failure could result in the loss of large batches of product. Due to the rigorous demands of the of the distillation process, the company searched for a valve supplier that would address their needs.

## SOLUTION

For its automation upgrade project, the distiller chose the ASCO™ Series 551 solenoid spool valve with an explosion-proof rating. The compact valve was available with a stainless-steel construction plus an extremely low 0.55-watt coil that easily connected to the system's PLC. In addition, the valve was available with and without manual override to meet the distillery's needs. The ASCO Series 551 valve's wide flow range met the requirements of a variety of actuators, reducing the number of part numbers and simplifying maintenance. The company appreciated Emerson's ability to meet the deadlines of a large and complex project.

*The distiller valued the ASCO product's reputation for exceptional reliability. The valves' unique design combined hard T-seals and flexible O-rings for bubble-tight shutoff, dirt resistance, and multi-million-cycle service life.*

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