

High-flow, durable piston valves significantly reduce maintenance calls for water recirculation systems

RESULTS

- The customer experienced a decline in service calls for its water recirculation equipment
- By switching to ASCO™ valves, the company consolidated suppliers—leading to cost savings



APPLICATION

Angle body piston valves in water recirculation systems

CUSTOMER

The company installs, maintains and repairs automated car and truck wash equipment

CHALLENGE

The company—a specialist in the installation and repair of car wash equipment—offers a variety of standard and customized machinery and accessories, including rinse systems, vacuums and compressors, chemicals and more. One of its equipment options is a water recirculation system that, at the time, required constant maintenance due to regular valve failure. To reduce the costs and downtime associated with these unplanned service calls, the company wanted to replace the fragile valves with units that offered superior reliability and durability.

SOLUTION

Emerson experts stepped in and recommended the ASCO Series 290 angle body piston valve, which provides high flow rates for reliable water control. Designed to handle even aggressive fluids, these units integrate many standard features that provide superior reliability in water recirculation systems and other demanding applications:

- The Series 290 features a rugged, watertight actuator made from a tough fiber composite, while a cold-rolled stainless steel stem provides added strength

The customer experienced a significant decline in the number of service calls and was pleased with Emerson's high-quality fluid control components.

- A fluoroelastomer wiper keeps grit away from the spring-loaded stem seal
- Ribbed rings clean the stem grooves—extending the valve’s service life by preventing debris from reaching the chevron packing
- Units include ASCO pilot valves, which are the industry-standard for reliability and durability in industrial environments

As an added accessory in this application, Series 290 units also included a reed switch—providing valuable position feedback.

Emerson Automation Solutions

160 Park Avenue
Florham Park, NJ 07932 USA
+1 800-927-2726
ASCO.Info-Valve@Emerson.com

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