

Valve Automation and Pneumatics For the Chemical Industry

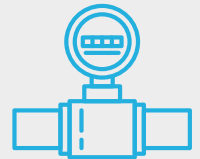
Ensure the process reliability and certainty of
your chemical operations.

Challenges

Maximize Valve Uptime in Harsh Conditions

Chemical operations need durable solenoid valves that can pilot process valves while standing up to the harsh conditions of chemical plants. Only valves that incorporate the right combination of high-grade materials and tight seals can achieve success in these applications.

**ENSURE
RELIABILITY
OVER MILLIONS
OF CYCLES.**



Protecting Downstream Components

Media filtration solutions prevent downstream process contamination, improving the safety and reliability of chemical operations. Plant owners need durable, high-flow units that can achieve precise pressure regulation to downstream instruments and maximize overall process efficiency.

**PROTECT
DOWNSTREAM
EQUIPMENT.**



Receiving Reliable Position Feedback

Switchboxes deployed in harsh environments must provide actuator position feedback while maximizing functionality. These units should include position sensors, integral solenoid valves and bus network options, all while carrying global certifications for use in hazardous areas.

**MAXIMIZE
SWITCHBOX
FUNCTIONALITY.**



OUR SOLUTIONS: Robust Components to Keep Processes On Track

Chemical operations require pneumatic components that can deliver efficient, reliable piloting of process valves in harsh environments. To that end, we offer many robust solenoid valves and air preparation units that ensure your processes run smoothly with minimal downtime. For actuator position feedback, we also offer compact switchboxes with many options.

Rugged, Reliable Valves Ensure Process Safety and Reliability

Our valves and other components are built tough. For example, ASCO™ Series 551 solenoid spool valves feature hard T-seals and flexible O-rings for bubble-tight shutoff and dirt resistance over millions of cycles, while direct-acting ASCO Series valves include PTFE rider rings and graphite-filled seals to reduce friction and eliminate sticking.



Maximize Process Efficiency With Media Filtration Components

ASCO Series 641/642/643 Aluminum Filter Regulators, which achieve high flow rates and precise pressure regulation, feature a rugged aluminum design with a specialized coating, preventing downstream process contamination for maximum reliability.



Durable Switchboxes Maximize Functionality in a Compact Form Factor

TX-Series switchboxes offer full functionality in compact, direct-mount enclosures. Available with a variety of position sensors, integral solenoid valves and bus networks, the TX-Series is suitable for use in all hazardous areas and carries IECEx, ATEX, and UL certifications. These durable units are also Type 4, 4X, IP66/67 rated, feature a wide temperature range of -76° to 175°F (-60 to 79°C) and include aluminum, composite and stainless steel materials.



ASCO™ Series 327 3/2 Way Direct-Acting Solenoid Valve



ASCO™ Series 551 Solenoid Spool Valve



TopWorx™ TX-Series Switchbox



ASCO™ Series 641/642/643 Aluminum Filter Regulator



For more information: www.Emerson.com/Chemical

