

ASCO™ Series 327C Direct Acting Solenoid Valve

Increase the operational efficiency and reliability of your process valve actuation application



Industry leading performance, simple to install and maintain

- **Increase operational efficiency** – best-in-class power to flow ratio enhances process valve actuation efficiency
- **Low power requirements** – design optimized to minimize friction, reducing power consumption and removing need for additional power supplies
- **Greater operational certainty** – designed to operate reliably in the most extreme conditions
- **Enhanced reliability** – molded pin terminal design enhances water ingress protection and low power design eliminates heat degradation
- **Simplified installation** – external terminals to expedite testing and minimize field commissioning time
- **Reduce supply chain complexity** – global and regional certifications, along with manual reset and intrinsically safe constructions, enable part standardization

ASCO™


EMERSON™

Consistent and reliable performance over an extended lifespan

The ASCO Series 327C is the next generation of direct acting solenoid valves, offering industry leading performance and reliability to help increase the operational efficiency of your process valve actuation application. An optimized non-breathable design and Emerson's advanced sealing technology ensure suitability for the most extreme applications (including hazardous areas) and long periods of dormancy, while also simplifying installation, commissioning and maintenance.

Increase operation efficiency

- Lower power design reduces the need for extra power supplies and enables more coils to be powered with single controller
- Higher flow rate of the standard construction reduces the need for booster valves, 20% more flow than leading competitors
- Intrinsically safe design - achieve over 3x faster response times without the need for booster electronics

Simplified installation and maintenance

- External test terminals allow for quick, easy coil testing without opening the enclosure
- Wide opening to enable easier access to terminal block for faster commissioning
- Fully rotatable coil with locking mechanism



Reduce supply chain complexity

- Global approvals to simplify supply chain by enabling global standardization
- Standard model has ATEX Ex d / UL Class 1, Div 1 approvals to simplify purchasing and installation
- Comprehensive portfolio of options including standard, manual reset and intrinsically safe constructions for enhanced safety and versatility

Increase operational certainty

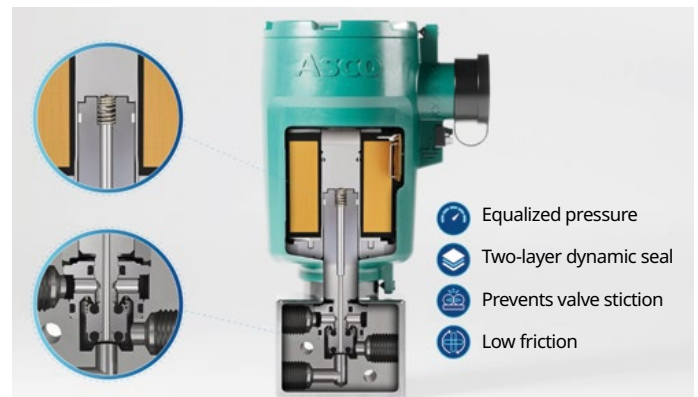
- Non-breathing design with an enclosed core protects internals from corrosive external environment
- 316L SS enclosure provides superior protection in harsh environments, suitable for extreme applications, including temperatures of -60°C to + 90°C
- Pin terminal connection reduces the risk of moisture ingress into coil, preventing corrosion and ensuring long life



Emerson sealing technology

Static seals that do not rub against moving parts incur less wear and tear compared with a packing seal construction.

Two-layer dynamic seal reduces need for heavy spring. Unique design of guiding ring produces low friction and is non-sticking, preventing jammed valve stems due to deterioration of seals.



ASCO™ For more information:
www.Emerson.com/en-us/catalog/asco-327

