

327 Series

Direct Acting Solenoid Valves



Introducing the ASCO 327 Series

The ASCO 327 Series from Emerson is a universal, direct acting solenoid valve available in multiple variations of materials, power, flow and certification. Due to our flexible range and industry expertise, it is suitable for a wide variety of applications, such as actuator piloting, compressor unloading and utilities control, and also as part of a broader offering of engineered solutions that includes actuator control packages, redundant control systems and bypass panels.

With its unique design and strong safety accreditation, it is clear to see why the 327 Series is a proven safe, reliable and adaptable solution that can withstand even the most demanding environments in the process industry, with over one million valves installed in the industry to date.

| At a glance | 327 Series |
|---|--|
| Valve body material | 316L Stainless Steel/Brass/Alu |
| Size | 1/4" 1/2" |
| Flow rate | Up to 1.5 m3/h |
| Pressure | ΔP o-16 bar |
| Operation and Certification temperature | -60°C to +90°C |
| SIL rating | up to 3 (Exida and TÜV) |
| Electrical rating | Down to 0.5W |
| Solenoid housing material options | Aluminium, 316L Stainless Steel, Epoxy moulded |
| Accessories | Manual operator, Manual reset, Removable manual operator |
| Global Ex certification | ATEX, IECEx, NEMA/UL/CSA, CU TR, NEPSI, PESO, INMETRO, KOSHA, etc. |
| Safety certification | Exida, TÜV |





Safe, Flexible and Reliable

Research has shown that a significant proportion of process plant failures and unplanned shutdowns are down to valve malfunction. So why not fit valves you know you can trust? The 327 Series' robust design ensures reliable operation while the unique seal concept prevents valve sticking.

The 327 Series offers a wide range of benefits, including features that dramatically reduce your engineering time and commissioning costs. Our unique under pressure removable manual operator (MO) can be removed without isolating the valve or shutting down the instrument air system, and ensures a safe process without unnecessary downtime costs, and the low power consumption helps to reduce installation costs.

The provided SIL certification and PFD failure rate information helps to cut engineering time by simplifying the design process. The compact design and mounting holes of the 327 Series make the device easy to assemble to the actuator. It can also be incorporated into an actuator control system to make mounting and assembly even simpler. Add to this a wide choice of explosive environment protection and it soon becomes clear that the 327 Series is the ideal choice for a huge spectrum of applications which require excellent functional safety initiatives.



Designed with Safety and Reliability in mind

The non-breathing design, unique seal construction and extended coil life make the 327 Series solenoid valves inherently reliable and ensure the long lasting safety of your application.

Benefits at a glance:

Reduced engineering time

- Certified PFD failure rates make safety calculations easier
- Engineered solutions reduce design and assembly time
- Full range of materials, power ratings, accessories and flow rates makes standardisation easier

Lower installation and commissioning costs

- Low power options reduce size of power supplies and cabling
- Unique 'removable under pressure' manual operator reduces commissioning time

Improved reliability

- Low power increases service life
- NACE-compliant materials cut corrosion risk
- Removable manual operator reduces accidental trips
- Epoxy H Class coils offer extreme long life expectancy
- Vibration resistant
- Unique non-breathing seal concept prevents valve sticking



Getting your products quicker reduces downtime, allowing for greater productivity and improved efficiency. Plus, faster shipment lets you cut lead times and provide more accurate timing estimates when scoping out projects. The 327 Series is available on our **FASTSHIP** program, which guarantees shipment within 5 working days from the production location.



Solenoid Options

Certification



and more...

New Offshore/NACE-compliant

- Corrosion resistant and NACE-compliant to suit a NACE atmosphere (including solenoid housing internals)
- Vibration tested to IEC 60068-2-6 and as included in Lloyds specification
- Suitable for safety systems – Exida certified and SIL 3 capable



Explosion-proof

The 327 Series comes with a wide range of explosion-proof options and certifications that make it suitable for most applications and hazardous environments.



Manual reset / manual operator options

The 327 Series is available with several types of manual operators and manual resets, including a Manual Operator (MO), Manual Reset (NVR), Manual Screw Operator (MS) and the unique 'removable under pressure' Manual (Screw) Operator, which reduces commissioning time.



Why Emerson

Emerson has an established worldwide reputation for technology innovation and industry leadership. Our technologies have served to transform entire industries, from the creative solutions provided by the smallest detail, to their greater collective impact on the environments we live and work in. Helping our customers achieve that distinct competitive advantage is all part of our plan for meeting your goals.

Problem solving is our passion. We are committed to driving technological progress and setting the standards of the future by maintaining a strong focus on research and development. Our approach includes extensive research on both emerging technology and key global market trends, and our own customer challenges enable us to prioritise our R&D efforts.

We also recognise that the key to customer satisfaction is providing full support and an outstanding service from development to delivery. Choosing an ASCO 327 direct acting solenoid valve from Emerson promises to satisfy all of your business requirements.

Emerson. Consider it solved.

Discover more

To find out more about how the 327 Series can benefit your business, please visit asconumatics.eu/327, or contact your local Sales Department.



Scan to see ASCO in action
Or go to www.asconumatics.eu/327

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