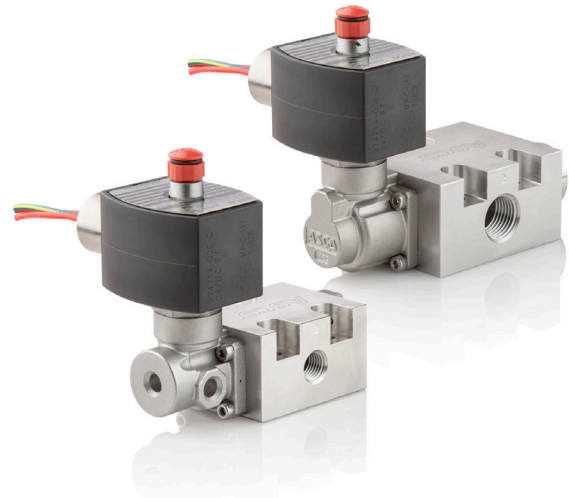


ASCO™ Series 381 High-Flow Poppet Valves for Harsh Environments

1/4" - 1/2" NPT | Stainless Steel, 3-Way Valves

Applications

- Extremely harsh and corrosive environments, such as those found on offshore and near-shore oil platforms
- High-flow applications requiring quick actuator response times
- Extreme environmental conditions with broad operating temperatures
- Rated for air, inert gas, and sweet dry natural gas



Features & Benefits

Increased Flow Over Competition

- Higher flow results in faster process response time

Low Pressure Operation

- Requires zero main pressure to operate when using the externally piloted version

Extreme Temperature Operation

- Broad operating temperature range of -60°C to 80°C (-76°F to 176°F) for both ambient and media allows for use in extreme environmental conditions
- Capable of passing the CSA (No. 139) endurance test for safety shut-off valves (10K cycles at -60°C (-76°F) and 90K cycles at 80°C (-76°F))

Compatible with Speed Control

- Allows users to control flow to prevent abrupt opening/closing of actuator

Rugged 316L Stainless Steel Body

- Designed to withstand harsh and corrosive environments

Simplified Supply Chain

- Popular constructions are available through the ASCO Express shipping program which allows for fast part replacement and greater availability
- Extensive solenoid options including:
 - Low power
 - Intrinsically Safe
 - Electronic Voltage Ranging
 - Class I, Division 1 & 2 junction box options

Specifications

| | |
|-----------------------------|---|
| Type | 3-way Normally Closed, Single Solenoid/Spring Return |
| Construction | Available in internally or externally piloted versions |
| Body | 316L Stainless Steel |
| Pipe Size | 1/4", 3/8", and 1/2" NPT |
| Cv | 1/4" = 2.2 3/8" = 2.6 3/8" High Flow = 4.8 1/2" = 6.2 |
| Pressure | Up to 200 psi (depending on solenoid type) |
| Media | Air, inert gas, and sweet dry natural gas |
| Temperature Range | -60°C to 80°C (-76°F to 176°F; depending on solenoid type) |
| Wattage | Low Power: 0.55W, 0.7W, 0.75W, 1.4W, 1.7W, 1.8W, 2.0W Intrinsically Safe: .48W Standard: 10.1W, 11.6W For solenoid options, please visit Series 381 configurator at www.asco.com |
| Solenoid Approvals | UL, CSA: Class I, Div 1 (Solenoid Only); ATEX, IECEx: Ex d mb (For EV Redhat II Solenoid; approvals dependent on solenoid type, please refer to catalog page and configurator) |
| Valve Certifications | CRN, Functional Safety evaluation by Exida |

For more information:
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