

ACL

Manufacturing Inc.

ACL-SV-SSO Series Safety Shutdown Valves ($\frac{1}{8}$ " NPT - $\frac{1}{32}$ " x $\frac{1}{32}$ " Orifice)

ACL $\frac{1}{8}$ " NPT Solenoid Valves

ACL-SV-SSO $\frac{1}{8}$ " NPT 3-way solenoid valves are **certified safety shutdown valves** typically used on the pilot line of combustion valve trains. Available in a wide range of operating voltages with extremely low power consumption (see valve specifications below), they are ideally suited for use at remote locations where an adequate power supply may be a concern. ACL solenoid valves do not require air to operate/assist.

Features

Low wattage • 12 or 24 VDC and 120 VAC • Explosion proof (Class 1, Div 1) • Low temp operation (-40°C to +65°C) • Stainless steel body and internals

Recommendations for Installation

- Piping should be flushed clean of dirt, burrs, and welding residue that may collect in or damage the seat/orifice
- Place a strainer upstream of the valve with a porosity \leq 400 microns
- Mount the valve preferably on a horizontal pipeline with the coil upright
- **CAUTION:** 12 VDC valves are polarity sensitive - incorrect wiring may cause equipment malfunction/damage

Valve Specifications

- Power supply: 12 or 24 VDC, 120 VAC 50/60Hz
- Wattage: .85 watts for 12 VDC
1.8 watts for 24 VDC and 120 VAC
- **Orifice: $\frac{1}{32}$ " x $\frac{1}{32}$ "**
- Operating temp range: -40°C to +65°C
- Proof pressure: 120 psi
- Explosion proof (Class 1, Div 1)
- Service: Natural gas, NGL

Valve Certifications

- CSA 6.5-2000-C/I (ANSI Z21.21-2000)
- CGA 3.9-M94 (ANSI/UL Standard 1002)
- CSA C22.2 #30-M1986 (R1999)



3-way solenoid valve - normally closed ($\frac{1}{8}$ " NPT)

Valve Size (NPT)	Cv Coefficient
$\frac{1}{8}$ "	.022