

SUREFIRE 12 VOLT ACTUATOR

Part #51901065



- Controls the main fuel gas to the main burner
- Factory programmed and pre-wired so no adjustment is necessary
- 3-wire termination
- Applications include: pilotless single stage operations, non-venting fuel trains, and flare systems
- Compatible with all SureFire BMS controllers

SPECIFICATIONS

- 12 volts DC
- Duty cycle – 75%
- Torque – 200 in lbs
- Timing – 5 sec/90° closed; 30 sec/90° open
- ¼" turn with 2 positions
- Visible indicator dome
- Stainless steel full port ball valve with Teflon seal
- Locked rotor amp – 4.2 amps

CERTIFICATIONS

- Class I Groups C & D
- Class II Groups E, F, & G
- Division 1 & 2
- Explosion proof NEMA 7 cast aluminum enclosure

SUREFIRE 1" SOLENOID VALVE

Part #51900605 K



- Fail-closed device
- No adjustment necessary
- Simple termination and installation
- Applications include: pilotless operations, non-venting fuel trains, and flare systems
- Compatible with all SureFire BMS controllers

SPECIFICATIONS

- 12 volts DC
- 4.5 watts, 0.375 amps
- 12 Cv flow
- Full port
- 2-wire termination
- Teflon coated diaphragm
- Stainless steel valve

CERTIFICATIONS

- Class I Groups A, B, C & D
- Class II Groups E, F, & G
- Division 1 & 2
- Explosion proof coil

SUREFIRE 2" SOLENOID VALVE

Part #51900608 K



- Fail-closed device
- No adjustment necessary
- Simple termination and installation
- Applications include: pilotless operations, non-venting fuel trains, and flare systems
- Compatible with all SureFire BMS controllers

SPECIFICATIONS

- 12 volts DC
- 4.5 watts, 0.375 amps
- 48 Cv flow
- Full port
- 2-wire termination
- Teflon coated diaphragm
- Stainless steel valve

CERTIFICATIONS

- Class I Groups A, B, C & D
- Class II Groups E, F, & G
- Division 1 & 2
- Explosion proof coil

1/4" ASCO SOLENOID VALVE

Part #51900601



- Fail-closed device
- No adjustment necessary
- Simple termination and installation
- Applications include: direct pilot (#72 orifice) and/or pneumatic valve operation
- Compatible with all SureFire BMS controllers

SPECIFICATIONS

- 12 volts DC
- 0.55 watts
- 0.06 Cv flow
- Orifice size: ½ inch (0.05")
- 2-wire termination
- Stainless steel valve

CERTIFICATIONS

- Class I, Groups A, B, C & D
- Class II Groups E, F & G
- Division 1 & 2
- Explosion proof coil



Components

AND ACCESSORIES



PRESSURE SWITCH

Part #51901001



- Used normally open or closed for standbys and shutdowns
- 316 SS construction, wetted parts are NACE
- Field Adjustable from 1 psi – 15 psi
- Compatible with all SureFire BMS controllers



RESISTANCE TEMPERATURE DETECTOR (RTD)

Contact SureFire for part #

- Detects the process temperature
- Temperature range is 0°F – 850°F
- Simple three wire termination
- Available in: 5", 6", 9", 12", and 18"
- Compatible with the SureFire BMS-300 and BMS-350 controllers



SLOW FLOW VALVE

Part #51901043

- Reduces the inrush of fuel gas into the diaphragm valve for smooth and reliable ignition
- Required on all pilotless installations when not using an actuator valve
- Recommended for all piloted installations



THERMOCOUPLE TYPE K (T/C)

Contact SureFire for part #

- Temperature range is 32°F – 2400°F
- Simple two wire termination
- Available in 6" and 9"
- Compatible with SureFire BMS-350 controller



COALESCING FILTER

Part #51909050

- Removes 99.97% of particles in the 0.3 to 0.6 micron range
- Absolute removal rating at 0.75 micron level
- 99.98% efficient at removing oil "aerosols" from compressed air

OTHER COMPONENTS

- 120V AC to 12V DC Converter, Part #51903001
- Coalescing Filter Replacement Element, Part #51909052
- Peter Paul 0.83 Watt Solenoid Valve, Part #51900603 (while supplies last)



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