



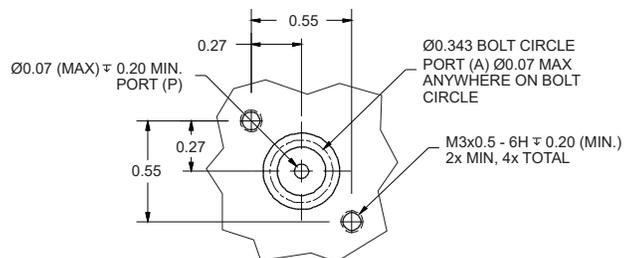
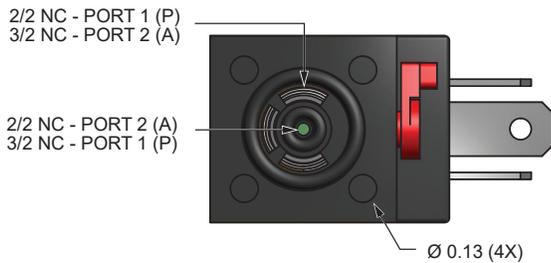
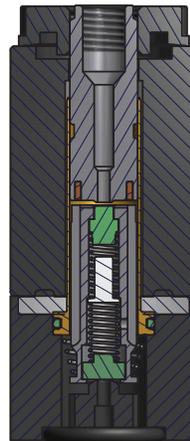
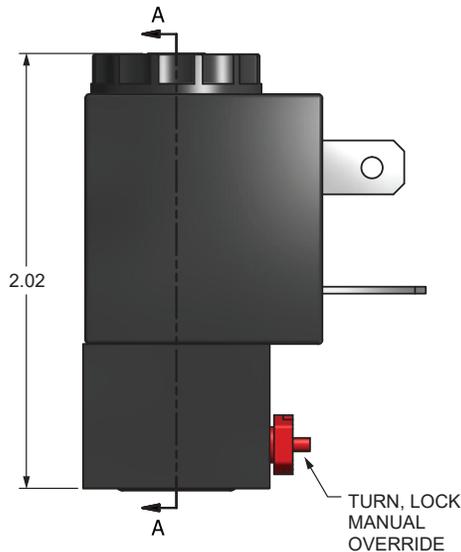
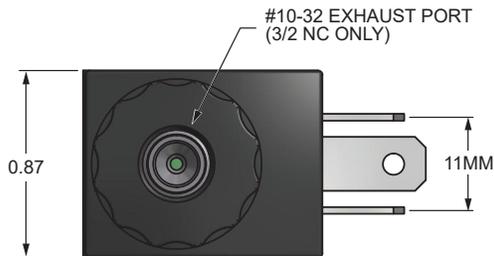
# Series 38KRE

## Solenoid Operators 2-Way & 3-Way Manifold Mount Pilot Assembly

The Spartan Scientific Series 38KRE is a miniature solenoid operator pilot assembly designed to control inert gases and liquids and is made to easily mount to a flat manifold surface. The 38KRE features a fully molded coil assembly that is available in spaded or flying lead configurations. The plunger and tube assembly are made from highest quality materials and exacting standards for long life and reliability. The valve body comes with turn locking manual override as standard. It can be assembled quickly to a manifold block by the use of two screws (provided).

### Dimensional Data

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



MOUNTING HOLE / PASSAGE PATTERN

SOLENOID OPERATORS



# Series 38KRE

## Solenoid Operators 2-Way & 3-Way Manifold Mount Pilot Assembly

SOLENOID OPERATORS

### Technical Data

**Function:** 2-Way, 2-Position; Solenoid Operating Pilot; Normally Closed.  
3-Way, 2-Position; Solenoid Operating Pilot; Normally Closed.

**Orifice Sizes / Flow Factor:** 1.2mm / 0.06 Cv  
1.5mm / 0.05 Cv  
Note: All values shown are for pressure rating of 90 psi.

**Pressure Range:** 0 to 150 psi (depending on orifice size and function)

**Temp. Range:** Fluid Max.: +10° to +50°C  
Dry Range: Ambient +10° to +50°C

**Response Time:** 8 to 15ms Complete Cycle

**Media:** Air, inert gases

**Manual Override:** Turn Lock

**Environment** IP65 (IEC 144), NEMA 4

**Protection:** Dust-tight and water resistant (with electrical connector)

**Mounting:** M3 x 0.5 20mm long flathead mounting screws (2)

**Wetted Materials:** Elastomers: EPDM, FKM, NBR  
Operator: 300 and 400 Series Stainless Steel and Brass  
Shading Ring: Copper (AC Only)  
Springs: 300 Series Stainless Steel  
Valve Body: Glass-Filled Polyester

**Coil Data:** Duty Cycle: Continuous (within specifications)  
Encapsulation: Glass-Filled Nylon  
Insulation: Class F  
Power Rating: 6.5 Watt VDC, 8.5 VAC (others available on request)  
Voltage: 6, 12, 24 VDC  
24, 120, 220, 240 VAC 50/60 Hz  
Voltage Tolerance: +/- 10% Nominal  
Winding: Class H

**Connections:** Spades: Terminals AMP 6.3x0.8 width 11mm (Available in DIN Style "A" EN175301-803 for 3.0mm orifice or larger)  
Flying Lead: PVC 22 AWG, Multi-Strand Copper Wire, 300V, 12" minimum length

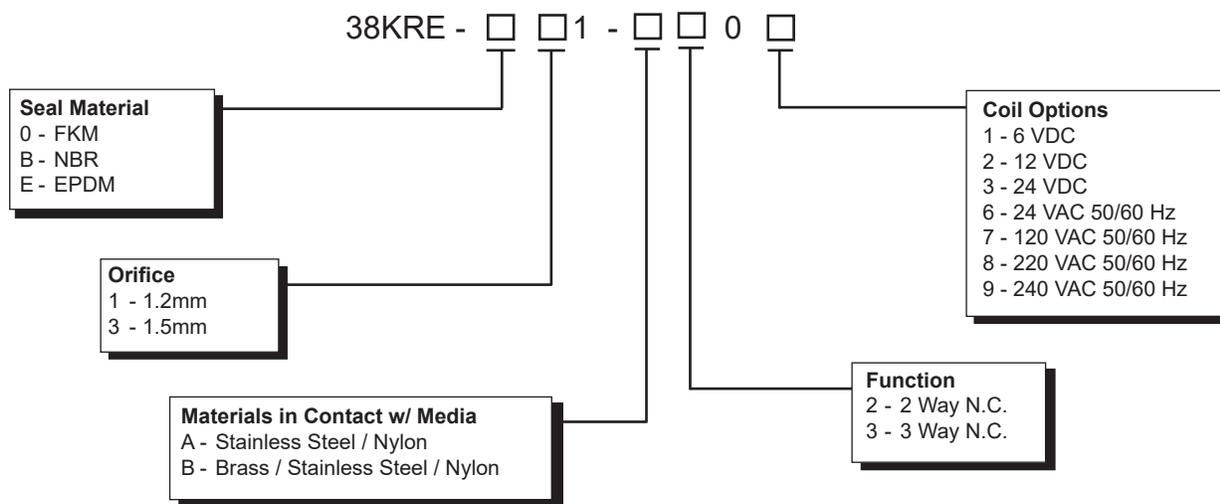
**Packaged Weight:** 0.20 lbs.

ORIFICE SIZE / VOLTAGE

|          |        |       |       |
|----------|--------|-------|-------|
| FUNCTION |        | 1.2mm | 1.5mm |
|          | 2/2 NC | 150   | 150   |
|          | 3/2 NC | 150   | 150   |

MAX. PRESSURE RANGE (psi)

### How To Order



Order Example: 38KRE-011-B201  
FKM, 1.2mm Orifice, Brass/ Stainless Steel / Nylon, 2 Way N.C., 6 VDC