

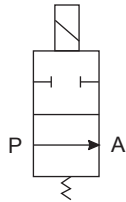
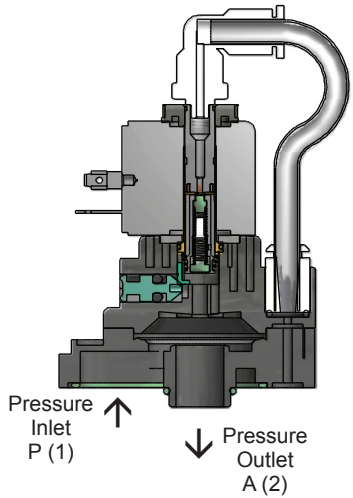
# Series 35KR

## Application and Installation Guide



Series 35KR Media Separated 2-Way, 2-Position, Normally Open and Normally Closed Solenoid Valves.

### Two-Way, Two Position, Normally Open



- Position 1) Coil De-energized. Pressure inlet port P (1) is open to outlet port A (2).
- Position 2) Coil Energized. Pressure inlet port P (1) is blocked to outlet port A (2).



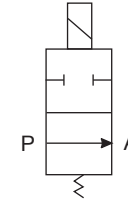
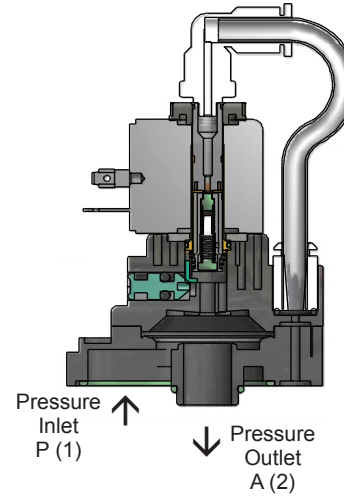
# Series 35KR

## Application and Installation Guide



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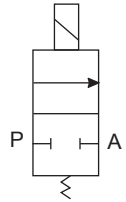
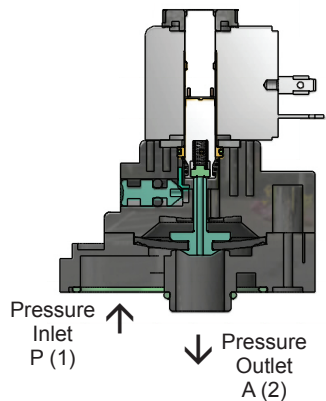
### Two-Way, Two Position, Normally Open



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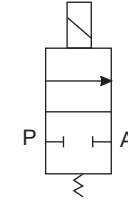
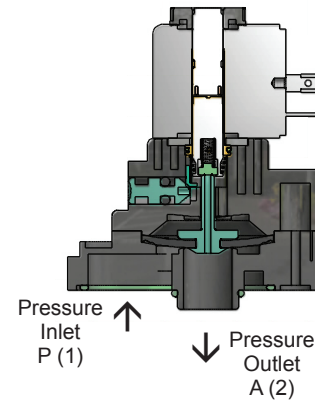
### Two-Way, Two Position, Normally Closed



- Position 1) Coil De-energized. Pressure inlet port P (1) is closed from outlet port A (2).
- Position 2) Coil Energized. Pressure inlet port P (1) is connected to outlet port A (2).



### Two-Way, Two Position, Normally Closed



- Position 1) Coil De-energized. Pressure inlet port P (1) is closed from outlet port A (2).
- Position 2) Coil Energized. Pressure inlet port P (1) is connected to outlet port A (2).



#### Warranty Information

Solenoid valves and all other products manufactured by Spartan are warranted by Spartan to be free from defects in material and workmanship for a period of 1 year from the date of purchase. Spartan's obligation under this warranty is limited to repair or replacement of the defective product or refund of the purchase price paid solely at the discretion of Spartan and provided such defective product is returned to Spartan freight prepaid and upon examination by Spartan such product is found defective. This warranty shall be void in the event that the product has been subject to misuse, misapplication, improper maintenance, modification or tampering. This warranty is expressed in lieu of all other warranties, expressed or implied from Spartan Scientific, Inc., representatives or employees.

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www.spartanscientific.com

P.O. Box 9792, Boardman, Ohio 44513  
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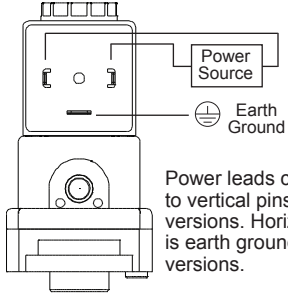
# Series 35KR

## Application and Installation Guide



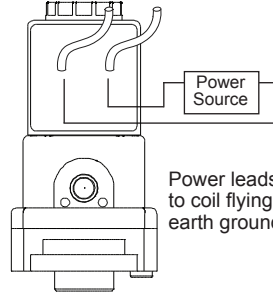
### Electrical Hook-Up

#### Spade Style Coil



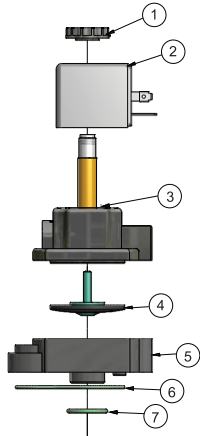
Power leads connected to vertical pins on all versions. Horizontal pin is earth ground on all versions.

#### Flying Lead Style Coil

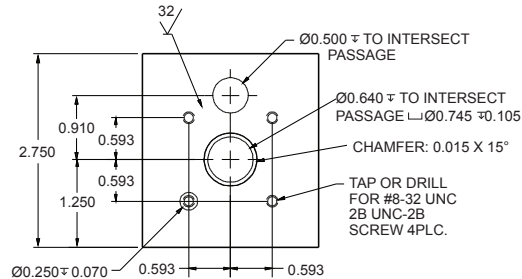
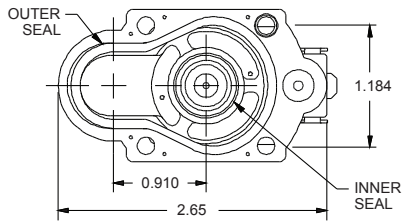


Power leads connected to coil flying leads. No earth ground present.

### Mounting and Installation



- 1) Unscrew top nut(1) from operator assembly (3) and top of coil(2)
- 2) Slide coil(2) off of operator assembly(3)
- 3) Remove wire ties to separate the KR plate(5) from Operator assembly(3)
- 4) Fit large o-ring(6) into contour of KR plate(5) as shown
- 5) Slide small o-ring(7) over boss of KR plate(5)
- 6) Place KR plate(5) onto manifold. KR plate(5) is keyed for correct orientation.
- 7) Insert diaphragm assembly(4) into counterbore of KR plate(5)
- 8) Place Operator assembly(3) over post of diaphragm assembly(4) and press firmly onto KR plate(5); orientation as shown.
- 9) Insert four #8-32 mounting screws thru Operator assembly(3) and KR plate(5); thread into manifold.
- 10) Slide coil(2) over Operator assembly(3); orient 360° as desired.
- 11) Screw top nut(1) onto Operator assembly and top of coil, until firmly in place.



### Caution

Do not use media, voltage or pressures other than that recommended by Spartan Scientific Inc. as valve malfunction could result. Misuse or misapplication of Spartan solenoid valves could cause serious bodily injury or property damage.

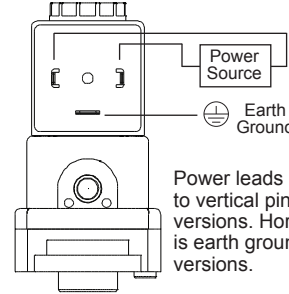
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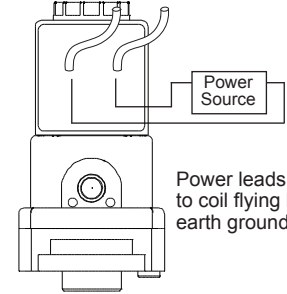
### Electrical Hook-Up

#### Spade Style Coil



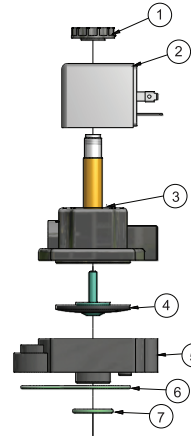
Power leads connected to vertical pins on all versions. Horizontal pin is earth ground on all versions.

#### Flying Lead Style Coil

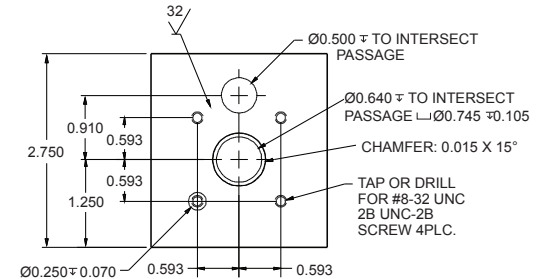
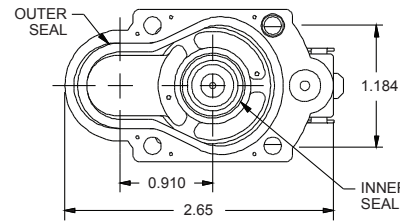


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