

Series APV-10

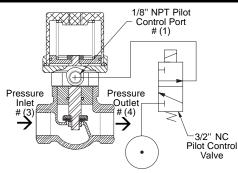
1/8" NPT Pilot

Application and **Installation Guide**

Series APV-10

Application and Installation Guide

Two-Way, Two Position, Normally Closed



Two-Way, Two Position, Normally Open

Normally Closed -

Normally Open -

port #2 on APV10.

operate.

1

2.

3.

4

- Requires a 3/2 way normally closed pilot valve to operate.
- 1. Connect inlet port of pilot valve to air supply.
- Connect outlet port of pilot valve to cylinder port 2. #1 on APV10.
- 3. Connect main media supply to port #3 on APV10. Main media outlet port is shown as port #4. 4.

Requires a 3/2 way normally closed pilot valve to

Connect inlet port of pilot valve to air supply.

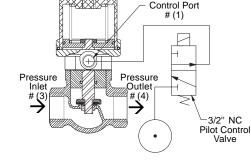
Connect outlet port of pilot valve to cylinder

Main media outlet port is shown as port #4.

*Note: If pilot supply is interrupted, APV10 will fail open.

Connect main media supply to port #3 on APV10.

*Note: If pilot supply is interrupted, APV10 will fail closed



Two-Way, Two Position, Normally Open

1/8" NPT Pilot

Control Port

(2)

Pressure

Inlet

#(3)

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Two-Way, Two Position, Normally Closed

Normally Closed -

Requires a 3/2 way normally closed pilot valve to operate.

- 1. Connect inlet port of pilot valve to air supply. 2. Connect outlet port of pilot valve to cylinder port
- #1 on APV10. Connect main media supply to port #3 on APV10. 3
- 4 Main media outlet port is shown as port #4.

*Note: If pilot supply is interrupted, APV10 will fail closed.

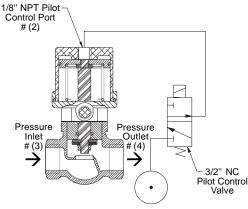


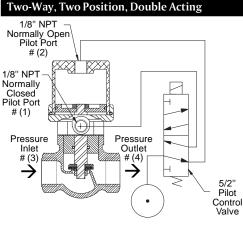
Requires a 3/2 way normally closed pilot valve to

operate. Connect inlet port of pilot valve to air supply.

- 1. Connect outlet port of pilot valve to cylinder 2. port #2 on APV10.
- 3 Connect main media supply to port #3 on APV10.
- Main media outlet port is shown as port #4. 4.

*Note: If pilot supply is interrupted, APV10 will fail open.





SPARTAN SCIENTIFIC

Double Acting -

- Requires a 5/2 way pilot control valve to operate. 1. Connect inlet port of pilot control valve to air
- supply. 2. APV10 Function Control
- A. Normally closed operation
 - 1. Connect normally open outlet port on pilot control valve to cylinder port #2 on APV10. Connect normally closed outlet port on pilot control valve to cylinder port #1 on APV10.
- B. Normally open operation 1. Connect normally open outlet port on pilot control valve to cylinder port #1 on APV10.
- 2. Connect normally closed outlet port on pilot control valve to cylinder port #2 on APV10.
- Connect main media supply to port #3 on APV10. 3
- 4. Main media outlet port is shown as port #4.

*Note: In most cases, if pilot supply is interrupted, APV10 will fail open.

P.O. Box 9792, Boardman, Ohio 44513 (330) 758-8446 Fax: (330) 758-3314

2.

- 1. supply.
 - APV10 Function Control

 - 1. Connect normally open outlet port on pilot control valve to cylinder port #2 on APV10. Connect normally closed outlet port on pilot control valve to cylinder port #1 on APV10. B. Normally open operation
 - 1. Connect normally open outlet port on pilot
 - 2. Connect normally closed outlet port on pilot control valve to cylinder port #2 on APV10.
- Connect main media supply to port #3 on APV10. 3.
- 4.

*Note: In most cases, if pilot supply is interrupted, APV10 will fail open.

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3/2" NC

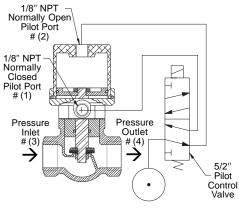
Two-Way, Two Position, Double Acting

Pressure

Outlet

#(4)

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SPARTAN SCIENTIFIC

Double Acting -

- Requires a 5/2 way pilot control valve to operate. Connect inlet port of pilot control valve to air

 - A. Normally closed operation

 - control valve to cylinder port #1 on APV10.

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- Main media outlet port is shown as port #4.

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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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