



MDM Manifold Pilot Solenoid Valves for use with Piston Actuated Valves

Description

A series of 3 way normally closed, solenoid operated, manifold pilot valves that are joined together and supply pressure to operate a corresponding number of Piston Actuated Valves. This manifold assembly may be mounted in any position. They are suitable for air or water media.

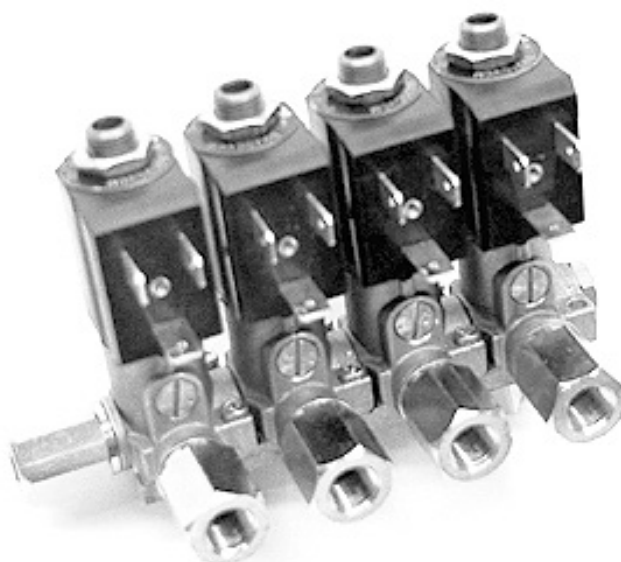
Standard for each manifold valve is a manual override button, FKM seals, a strain relief electrical connector with IP65 protection.

Technical details

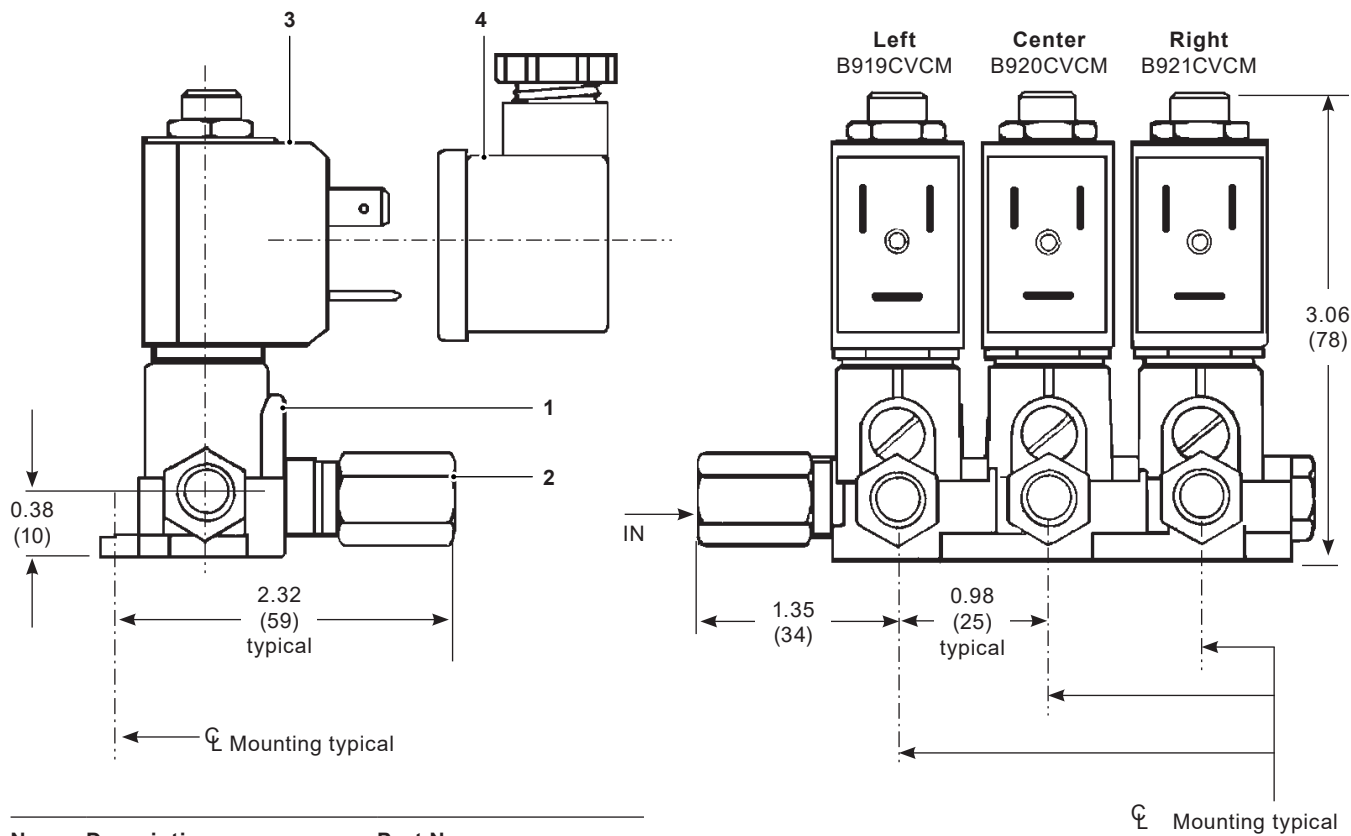
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|--------------------------|--|
| Construction material: | Body — Brass Seals — Viton |
| Mounting: | Universal, any position Accepts #6 machine screws |
| Manual Override: | Slotted 180° turn-button |
| Pilot Valve Connections: | 1/8" NPT common "IN" 1/8" NPT individual "OUT" |
| Electrical Connection: | DIN 43650 Form B |
| Coil Consumption: | AC: 9 VA (holding) 14 VA (inrush) DC: 7 W |

Limiting conditions

| | |
|----------------------------|--------------------------------|
| Maximum media temperature: | 140 °F (60 °C) |
| Minimum media temperature: | 14 °F (-10 °C) |
| Protection class: | IP65 (with DIN connector) |
| Operating pressure: | 0 - 150 psi g (0 - 10.3 bar g) |



Materials, dimensions and weights (approximate) in inches (mm) and lb (kg)



| No. | Description | Part No. |
|-----|---------------------|----------------|
| 1 | Valve - Left | B919CVCM |
| | Valve - Center | B920CVCM |
| | Valve - Right | B921CVCM |
| 2 | Adaptor | 72415 |
| 3 | Coil | 270R - 240 Vac |
| | | 240R - 120 Vac |
| | | 220R - 24 Vac |
| | | 225R - 24 Vdc |
| 4 | Connector DIN 43650 | 001 |

| Station | C | Weight |
|---------|---------|-----------|
| 2 | 3 (76) | 1.3 (0.6) |
| 3 | 4 (102) | 1.9 (0.9) |
| 4 | 5 (127) | 2.5 (1.1) |
| 5 | 6 (152) | 3.1 (1.4) |
| 6 | 7 (178) | 3.7 (1.7) |
| 7 | 8 (203) | 4.3 (1.9) |
| 8 | 9 (229) | 4.9 (2.2) |

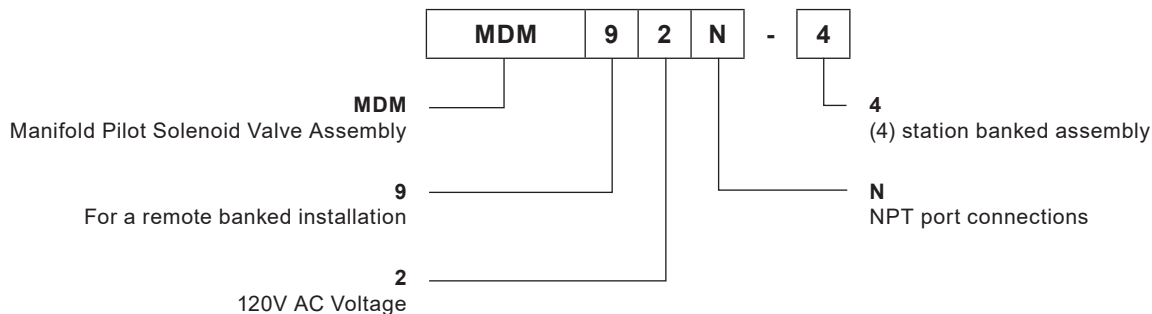
Installation

The manifold pilot solenoid valve assembly can be directly mounted to a system plate in any position. Incoming pilot pressure to connect with the common "IN" port (end). Outgoing pilot pressure to connect from the individual "OUT" ports (sides).

Each "Out" port line to connect to a corresponding Piston Actuated Valve actuator.

Note: When attaching to the PAV's with 2.5" (63 mm) or 3.5" (90 mm) actuator heads, it will be necessary to bush up from 1/8" NPT to 1/4" NPT.

Order information



Example: **MDM92N-4**

A (4) station manifold Pilot Solenoid Valve assembly, 120 Vac,

1/8" NPT for a 2.5" (63 mm) or 3.5" (90 mm) Piston Actuated Valve.

Available types

| Model Number | Pav actuator | Voltage/Frequency | Port connections |
|--------------|-------------------------|-------------------|------------------|
| MDM91N-X* | 1.8, 2.5" (45, 63 mm)** | 240 Vac | 1/8" NPT |
| MDM92N-X* | | 120 Vac | |
| MDM93N-X* | | 24 Vac | |
| MDM93N-X* | | | |

* X denotes number of manifold stations. Number may be from (2) to (8) depending on amount of PAV's requiring service. For information on additional stations, consult Spirax Sarco, Inc.

** 90 mm Actuators, consult Spirax Sarco, Inc.