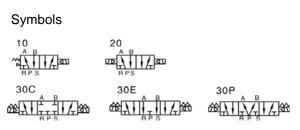
M4V 200 Series In-line Valves

The M4V-Series In-line 5/2 and 5/3 Solenoid actuated valves provide an extensive range of flow options at low prices. The range may be used Lubrication free and be Manifold Mounted for multi-task applications. The Solenoid versions feature interchangeable coils and push/twist—lock Manual Overrides. As well as Pressure Held and Pressure Release 5/3 versions, the range also includes a Pressure Applied spool option.

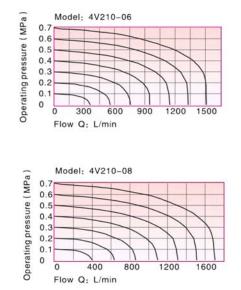




Product Features

- 1. Internally pilot-solenoid operated valve series.
- 2. Spool type, with low leakage and low friction action.
- 3. 5/3 valves have a choice of three centre functions.
- 4. 5/2 double solenoid valves have position memory using seal friction to retain the spool position.
- 5. Special manufacturing techniques ensure low start pressure and long service life.
- 6. Maybe used lubrication free.
- 7. The valve range may be manifold mounted for space saving and to reduce installation costs.
- 8. Push/twist-lock Manual Overrides are standard to assist with installation testing and debugging.
- Several standard voltages are available with interchangeable coils.

Flow Charts



Specification

Model	4V210–06 4V220–06	4V230C-06 4V230E-06 4V230P-06	4V210-08 4V220-08	4V230C-08 4V230E-08 4V230P-08
Fluid	Air(to be filtered by 40um filter element)			
Acting	Internal piloted			
Port size ①	In=Out=Exhaust=1/8"		In=Out =1/4"	Exhaust=1/8"
Orifice size	14.0mm ² (Cv=0.78)	12.0mm ² (Cv=0.67)	16.0mm ² (Cv=0.89)	12.0mm ² (Cv=0.67)
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
Operating pressure	0.15~0.8MPa(21~114Psi)			
Proof pressure	1.5MPa(215Psi)			
Temperature °C	-20~70			
Material of body	Aluminum alloy			
Lubrication (2)	Not required			
Max. frequency ③	5 cycle/sec	3 cycle/sec	5 cycle/sec	3 cycle/sec
Weight	4V210-06:220g 4V220-06:320g	360g	4V210-08:220g 4V220-08:320g	360g

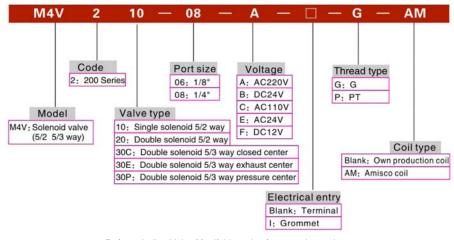
1. G (BSP) threads are standard (NPT threads are available as an option on request)

If lubrication is preferred, lubricants similar to ISO VG32 or equivalent are recommended.
The maximum actuation frequency is for the valve only (no load condition).

Coil Specification

Item	Specification		
Standard voltage	AC220V、AC110V、AC24V、DC24V、DC12V		
Scope of voltage	AC: ±15% DC: ±10%		
Power consumption	AC: 3.5VA DC : 3.0W		
Protection	IP65 (DIN40050)		
Temperature classification	B Class		
Electrical entry	Terminal, Grommet		
Activating time	0.05 sec and below		

Model/Ordering Codes



Refer to In-line Valve Manifold section for mounting options

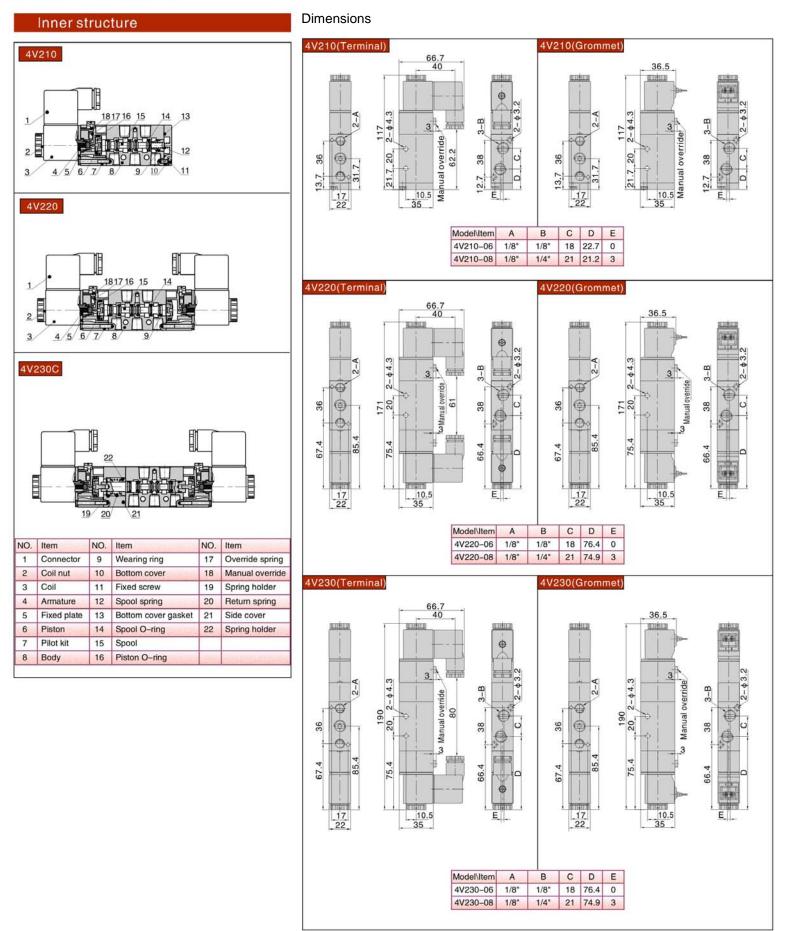


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Control Valves

M4V 200 Series In-line Valves



Mead Engineering Services Ltd. Unit 9b, Parkland Business Centre, Chartwell Road, Lancing, West Sussex, United Kingdom, BN15 8UE OCT11/RW/A

ENGINEERING SERVICES LTD

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