M3V 200 Series 3/2 In-line Valves

The M3V-Series In-line 3/2 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.



Symbols







Specification

Model	3V210-06	3V220-06	3V210-08	3V220-08
Fluid	Air(to be filtered by 40um filter element)			
Acting	Internal piloted			
Port size 1	In=Out=1/8"		In=Out=1/4"	
Orifice size	14.0mm²(Cv=0.78)		16.0mm²(Cv=0.89)	
Valve type	3 port 2 position			
Lubrication 2	Not required			
Operating pressure	0.15~0.8MPa(21~114Psi)			
Proof pressure	1.5MPa(215Psi)			
Temperature ℃	-20~70			
Material of body	Aluminum alloy			

- 1. G (BSP) threads are standard (NPT threads are available as an option on request)
- 2. If lubrication is preferred, lubricants similar to ISO VG32 or equivalent are recommended.

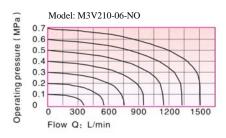
Product Features

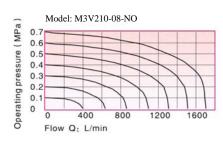
- 1. Internally pilot-solenoid operated valve series.
- 2. Spool type, with low leakage and low friction action.
- Double solenoid valves have position memory using seal friction to retain the spool position.
- 4. Special manufacturing techniques ensure low start pressure and long service life.
- 5.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

Coil Specification

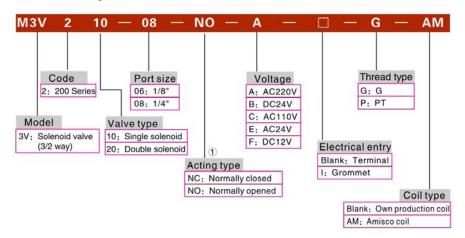
Item	Specification		
Standard voltage	AC220V、AC110V、AC24V、DC24V、DC12V		
Scope of voltage	AC: ±15% DC: ±10%		
Power consumption	AC: 3.5VA DC: 3.0W		
Protection	IP65 (DIN40050)		
Temperature classification	B Class		
Electrical entry	Terminal, Grommet		
Activating time	0.05 sec and below		

Flow Charts





Model/Ordering Codes



1. 2 position double solenoid versions have no difference between NO and NC, thus leave the code blank Refer to In-line Valve Manifold section for mounting options

OCT11/RW/A

Mead Engineering Services Ltd.

Unit 9b, Parkland Business Centre, Chartwell Road, Lancing, West Sussex, United Kingdom, BN15 8UE

Tel: +44(0) 1903 854625

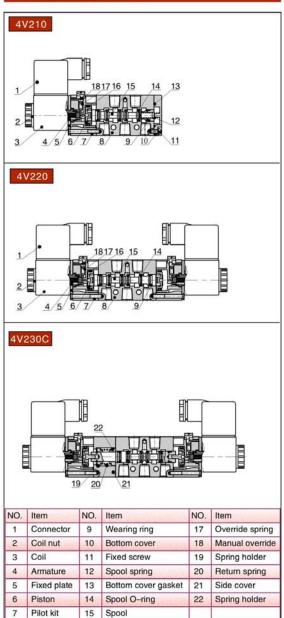
Fax: +44(0) 1903 851943

Email: sales@mead.co.uk

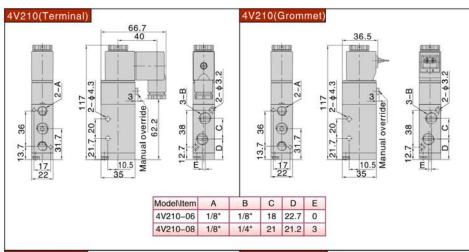


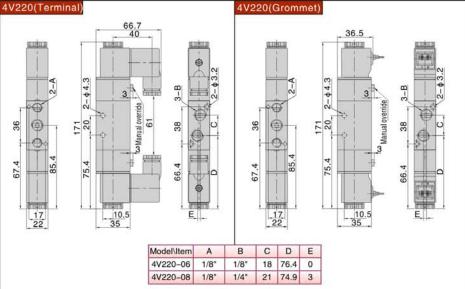
M3V 200 Series 3/2 In-line Valves

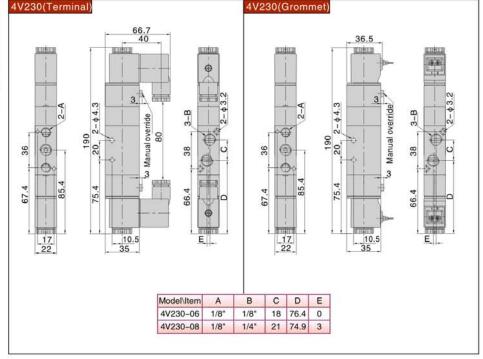
Inner structure



Dimensions







OCT11/RW/A



Unit 9b, Parkland Business Centre, Chartwell Road, Lancing, West Sussex, United Kingdom, BN15 8UE

Tel: +44(0) 1903 854625

Body

16

Piston O-ring

Fax: +44(0) 1903 851943

Email: sales@mead.co.uk

