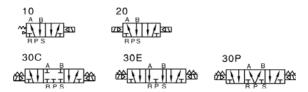
# M4V 300 Series In-line Valves

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.



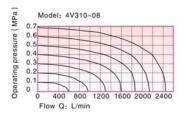
# Symbols

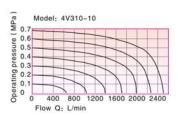


#### **Product Features**

- 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.
- Special manufacturing techniques ensure low start pressure and long service life.
- 6. Maybe used lubrication free.
- 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 Chart





#### Specification

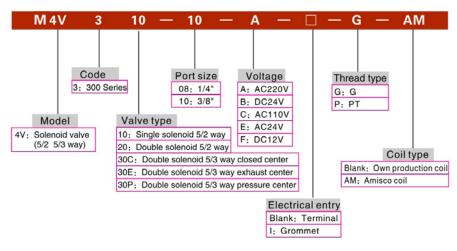
Model	4V310-08 4V320-08	4V330C-08 4V330E-08 4V330P-08	4V310-10 4V320-10	4V330C-10 4V330E-10 4V330P-10
Fluid	Air( to be filtered by 40um filter element)			
Acting	Internal piloted			
Port size ①	In=Out=Exhaust=1/4"		In=Out =3/8" Exhaust=1/4"	
Orifice size	25.0mm² (Cv=1.40)	18.0mm² (Cv=1.00)	30.0mm² (Cv=1.68)	18.0mm² (Cv=1.00)
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 ℃	-20~70			
Material of body	Aluminum alloy			
Lubrication 2	Not required			
Max. frequency 3	4 cycle/sec	3 cycle/sec	4 cycle/sec	3 cycle/sec
Weight	4V310-08:310g 4V320-08:400g	450g	4V310-10:310g 4V320-10:400g	450g

- 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.
- 3. 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

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

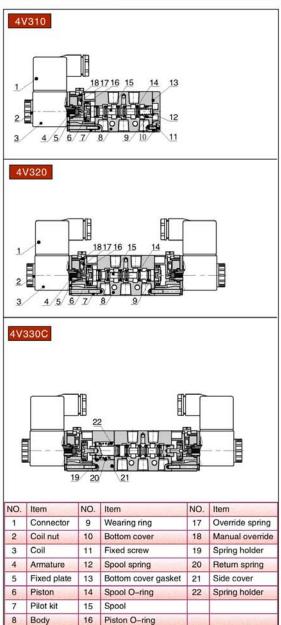
**Fax:** +44(0) 1903 851943

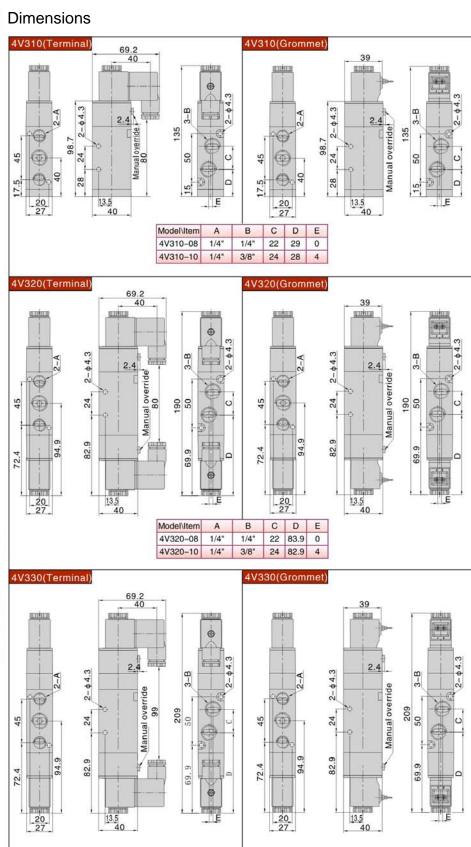
Email: sales@mead.co.uk



# M4V 300 Series In-line Valves

# Inner structure





OCT11/RW/A



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

Model\Item

4V330-08

4V330-10

В

1/4

3/8"

A

1/4"

1/4"

CDE

22 83.9 0

24 82.9

