The MM3-Series In-line 3/2 Mechanically operated valves provide an extensive range of control options, that may be easily interchanged. The range may be used Lubrication free and have M5, G1/8 or G1/4 ports.

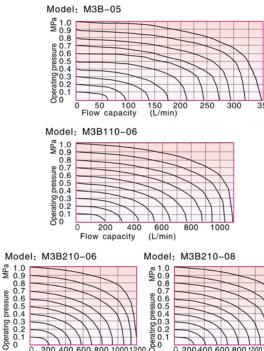


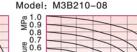
## Symbols

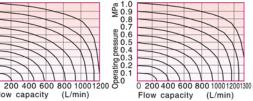
# Product Features

- 1. Balanced spool construction is not influenced by pressure changes.
- 2. Low leakage and low friction action.
- 3. Spring return
- 4. Special manufacturing techniques ensure low start pressure and long service life.
- 5. Maybe used lubrication free.
- 6. Compact 13mm, 18mm and 22 valve widths.

# Flow Charts





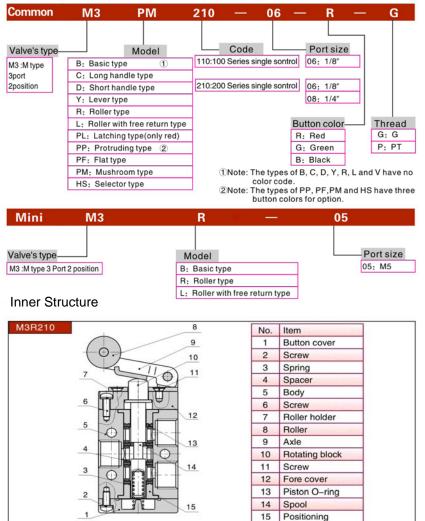


#### Specification

Model		M3B	M3C	M3D	M3R	M3L	M3Y	МЗРМ	M3PP	M3PF	M3PL	M3HS	
Fluid		Air (to be filtered by 40µm filter element)											
Operating		External control direct acting type											
Port size 1		05: M5; 06:1/8"; 08:1/4"											
Orifice size mm <sup>2</sup>	Mini type	05: 2.5mm²(Cv=0.14);											
	110	06: 8.0mm <sup>2</sup> (Cv=0.45)											
	210	06:9.0mm <sup>2</sup> (Cv=0.50);08:12.0mm <sup>2</sup> (CV=0.67)											
Valve type		3 port 2 position											
Lubrication (2		Not required											
Pressure range		0~1.0MPa(0~145Psi)											
Proof pressure		1.5 MPa(215Psi)											
Temperature °C		-20~70											
Material of body		Aluminum allov											

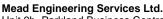
G (BSP) and M5 threads are standard (NPT threads are available as an option on request) 2. If lubrication is preferred, lubricants similar to ISO VG32 or equivalent are recommended.

## Model/Ordering Codes



#### **Operator Stroke**

		Com	Mini type					
Туре	Spool stroke	Button stroke	Type	Spool stroke	Roller (handle)stroke	Туре	Spool stroke	Roller stroke
M3B	2.0~3.3	-	M3R	2.0~3.0	4.6-6.8	M3B05	2.0~3.3	-
<b>M3PF</b>	2.0~3.3	3.8~5.1	M3L	2.0~3.0	5.0~7.8	M3R05	2.0~3.0	6.0~8.5
M3PP	2.0~3.3	3.8~5.1	M3C	2.0~3.0	11.0~16.0	M3L05	2.0~3.0	7.0~10.0
МЗРМ	2.0~3.3	3.8~5.1	M3D	2.0~3.0	5.5~8.0			
M3PL	2.0-3.3	5.9~7.2						1934 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 - 1944 -
M3HS	2.0~3.3	5.1~6.4						



Flow capacity

JUL12/RW/A

(L/min)

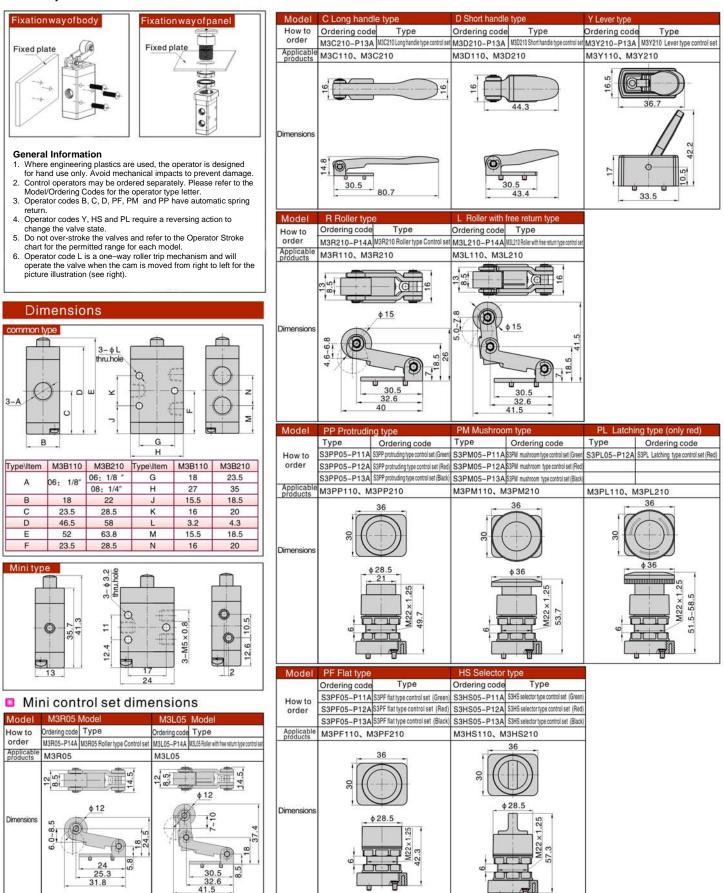
Unit 9b, Parkland Business Centre, Chartwell Road, Lancing, West Sussex, United Kingdom, BN15 8UE

ENGINEERING SERVICES LTD

# MM3 Series 3/2 Mechanically Operated In-line Valves

Dimensions

## Assembly Details



JUL12/RW/A

Mead Engineering Services Ltd. Unit 9b, Parkland Business Centre, Chartwell Road, Lancing, West Sussex, United Kingdom, BN15 8UE MEAD ENGINEERING SERVICES LTD