# Control valve(3/2way)

## M3 Series



#### Symbol

#### Product feature

1, Exhaust outlet locates over the (body), which is convenient to install muffler to decrease noise and pollution;

- The external force required by direction-change of series of M3B, M3R and M3L is provided by external mechanism. which can be used for position test or [stroke switch] limit switch:
- 3, M3C, M3D, M3Y, M3PF, M3PM, M3PP, M3PL and M3HS are operated manually, owning control joints with several structure forms and suitable for application under different conditions;
- 4、 It is in sliding column structure that the control force is not influenced by working pressure (that is, there is no back pressure effect); internal circle is sealed with good tightness and the direction-change is sensitive;
- 5. No need to add oil for lubrication;
- 6, Multi-mounting makes it convenient to install and apply;
- 7. The control joints of series of M3C, M3D, M3Y, M3R, and M3L are made of metal which has long service life and more reliable and steadyperformance.

#### Flow chart



#### 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	Mini type	05: 2.5mm <sup>2</sup> (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		00000	Aluminum alloy										

AILTAE

1) PT thread, NPT thread and G thread are available:

2 If add oil for lubrication, it is not allowed to stop midway. It is suggested to use ISO VG32 lubricant or the oil with the same grade.

### Ordering code





#### Reversal stroke

		Com	Mini type					
Туре	Spool stroke	Button stroke	Туре	Spool stroke	Roller (handle)stroke	Туре	Spool stroke	Roller stroke
МЗВ	2.0~3.3	2010 <del>-</del> 1010	M3R	2.0~3.0	4.6~6.8	M3B05	2.0~3.3	and the state of the second
M3PF	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	МЗС	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	2.44	and the second second		-		
M3HS	2.0~3.3	5.1~6.4						

Model: M3B210-06

(L/min) Model: M3B210-08

800

1000



400 600

200

Flow capacity

-42

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Airtac