



Metal free 2, 3 port solenoid valve for chemical liquid



MAB1/MAG1 Series

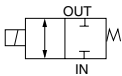
- NC (normally closed) type, universal type
- Working fluid: water, pure water, chemical liquids
- Port size: M6



JIS symbol

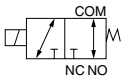
- MAB1 (2 port)

: NC (normally closed) type



- MAG1 (3 port)

: universal type



Specifications

Item	MAB1-M6-DC24V	MAG1-M6-DC24V
Working fluid	Water, pure water, chemical liquids (fluids that do not corrode materials at wetted parts)	
Working pressure range MPa	Conditions	Working pressure range of each port
	Fluid flow direction	IN OUT
	IN positive	IN → OUT 0 to 0.3 0 to 0.1
	OUT positive	OUT → IN 0 to 0.1 0 to 0.1
Fluid temperature °C	IN negative	OUT → IN -0.05 to 0 -0.05 to 0
	Conditions	Fluid flow direction
	COM positive	COM → NO or NC 0 to 0.3 0 to 0.1 0 to 0.1
	NC positive	NC → COM 0 to 0.1 0 to 0.1 0 to 0.1
Ambient temperature °C	NO positive	NO → COM 0 to 0.1 0 to 0.1 0 to 0.1
	COM negative	NO or NC → COM -0.05 to 0 -0.05 to 0 -0.05 to 0
	Fluid temperature	5 to 60
	Ambient temperature	0 to 50 (no freezing)
Atmosphere	Not in explosive or corrosive environment	
Valve seat leakage cm ³ /min.	0 (water pressure)	
Port size	M6 (*4)	
Orifice	Equivalent to 1.6	
Cv flow factor	0.045	
Mounting attitude	Free	
Weight	kg 0.13	
Electric specifications		
Rating	Continuous	
Voltage	24 VDC	
Voltage fluctuation range	-10 to +10% of rated voltage	
Power consumption W	2.3	
Leakage current mA	2.4 or less (*6)	
Heat proof class	B	

*1: Read the safety precautions for MAB1/MAG1 (page 768).

*2: Before starting use, check the compatibility between the materials of the product and working fluid. Working fluids must not adhere to the product body.

*3: Foreign matter etc. inside the piping may cause malfunction and valve seat leakage. Always flush the piping before installing the valve.

*4: Do not use metal joints because they could damage the port. Use a PP or fluorine resin joint. Wrap PTFE sealing tape two to three times around the joint. Tighten the joint with the recommended tightening torque below. Recommended tightening torque: 0.05 to 0.08 N·m

*5: Do not use for hydrochloric acid, hydrofluoric acid, nitric acid or sodium hypochlorite (soda).

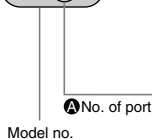
*6: Keep leakage current from the control circuit within the levels below.

*7: When standing the secondary piping, do not make it higher than 2 m. Use tubing or piping with the same or larger bore size as the orifice to fix the pipe.

*8: Do not disassemble the product.

How to order

MA(B)1 - M6-DC24V



Symbol	Descriptions
A	No. of port
B	2 port valve
G	3 port valve