



Metal-free 2, 3-port solenoid valve

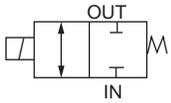
MAB1/MAG1 Series

- NC, universal
- Working fluid: Water/pure water/chemical liquids
- Port size: M6

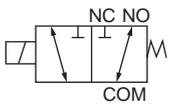


JIS symbol

- MAB1 (2-port)
: NC



- MAG1 (3-port)
: Universal



Specifications

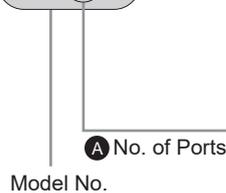
Item	MAB1-M6-DC24V				MAG1-M6-DC24V				
Working fluid	Water/pure water/chemical liquids (fluids that do not corrode wetted part materials)								
Proof pressure MPa	0.45 (water pressure)								
Working pressure MPa	Conditions	Fluid flow direction	Working pressure range of each port		Conditions	Fluid flow direction	Working pressure range of each port		
			IN	OUT			COM	NC	NO
	IN Positive pressure	IN→OUT	0 to 0.3	0 to 0.1	COM Positive pressure	COM→NO or NC	0 to 0.3	0 to 0.1	0 to 0.1
	OUT Positive pressure	OUT→IN	0 to 0.1	0 to 0.1	NC Positive pressure	NC→COM	0 to 0.1	0 to 0.1	0 to 0.1
	IN Negative pressure	OUT→IN	-0.05 to 0	-0.05 to 0	NO Positive pressure	NO→COM	0 to 0.1	0 to 0.1	0 to 0.1
					COM Negative pressure	NO or NC→COM	-0.05 to 0	-0.05 to 0	-0.05 to 0
Fluid temperature °C	5 to 60								
Ambient temperature °C	0 to 50								
Atmosphere	No explosive or corrosive atmospheres								
Valve seat leakage cm ³ /min	0 (water pressure)								
Port size	M6								
Orifice size mm	1.6 or equiv.								
Cv	0.045								
Mounting orientation	Unrestricted								
Weight kg	0.13								
Electrical specifications									
Rated voltage	24 VDC								
Voltage fluctuation range	±10%								
Power consumption W	2.3								
Leakage current mA	2.4 or less (*1)								
Thermal class	Class 130 (B)								

*1: The leakage current from the control circuit must be equal to or less than the values shown in the table.

*2: Make sure to read the safety precautions on pages 3 to 8 before use.

How to order

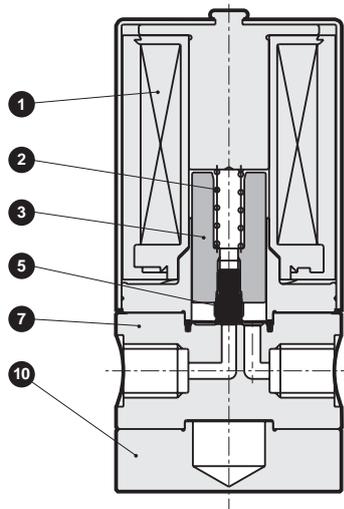
MA B 1 - M6 - DC24V



Code	Description
A No. of Ports	
B	2-port valve
G	3-port valve

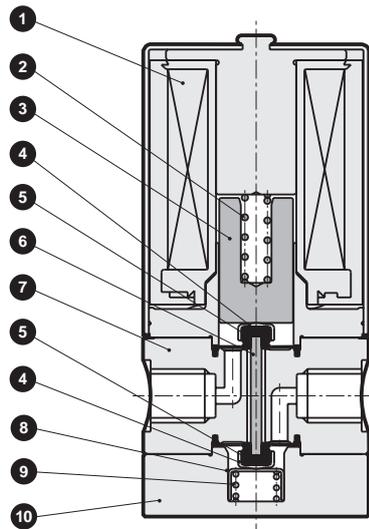
Internal structure and parts list

● MAB1-M6-DC24V



Cannot be disassembled

● MAG1-M6-DC24V



Cannot be disassembled

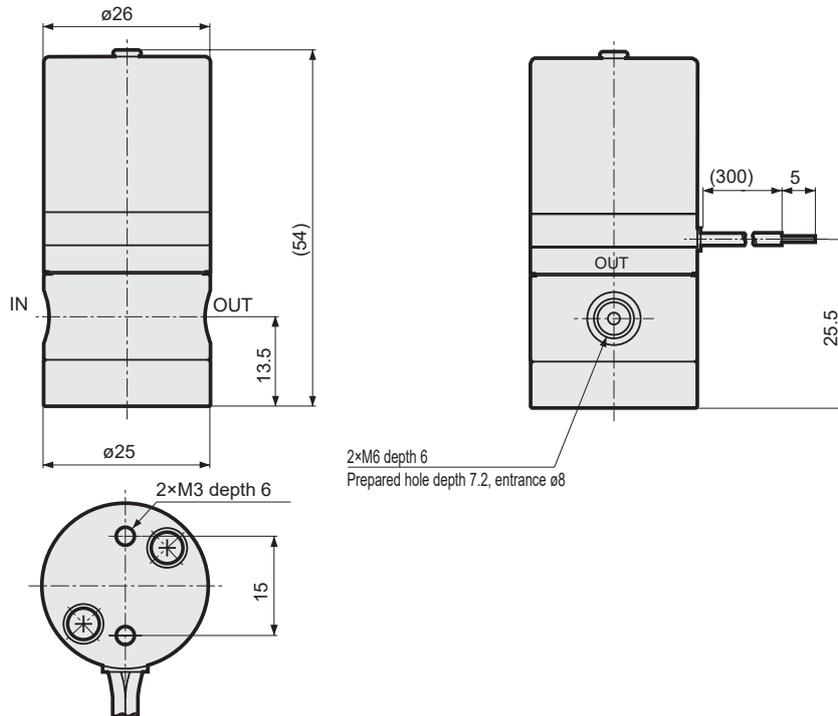
Part No.	Part name	Material	Part No.	Part name	Material
1	Coil assembly	—	6	Rod	— ; Ceramic
2	Spring	SUS304	7	Body	PTFE ; Tetrafluoroethylene resin
3	Plunger	SUY	8	Spring holder	SUS304 ; Stainless steel
4	Cap	SUS304	9	Spring	SUS304 ; Stainless steel
5	Diaphragm	PTFE	10	Mounting plate	SUS303 ; Stainless steel

MAB1/MAG1 Series

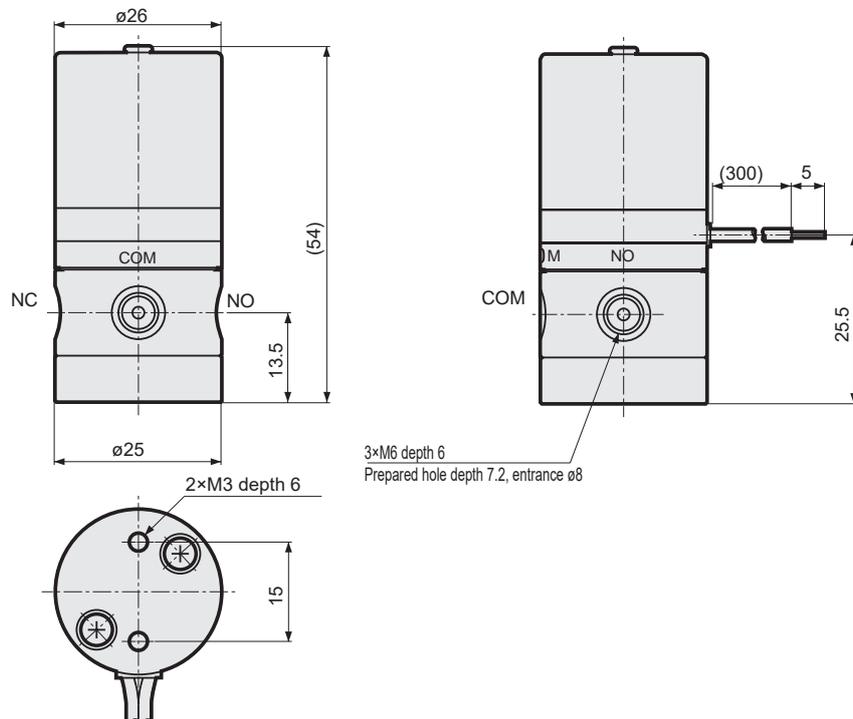
Dimensions



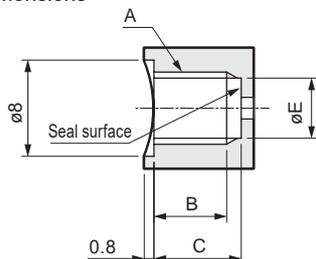
● MAB1-M6-DC24V



● MAG1-M6-DC24V



● Port size dimensions



Model No.	A	B	C	E
MAB1	M6	6	7.2	4.9
MAG1	M6	6	7.2	4.9