

5/2 SERIES M

Directional Valve 5/2 (NAMUR) Solenoid Valve

Pilot-oriented
1 - 4 series body size



Features

- Pilot-oriented of internal pilot or external pilot.
- Structure in sliding column with good tightness and sensitive reaction.
- Double control solenoid valves have memory function.
- Internal hole adopts special processing technology with the only 3-5 μm thickness of an anti-wear coating, providing little attrition friction, low start pressure and long service life.
- No need to add oil for lubrication.
- Install in the side plate with the surface upward, which can be used by directly connecting with the actuators.
- Affiliate manual device are equipped to facilitate installation and debugging.



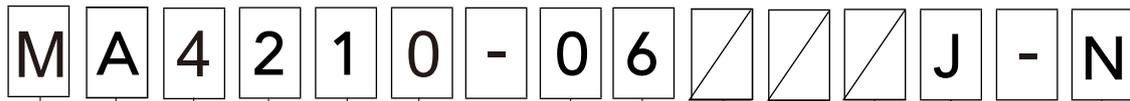
Product Information

Model	M4110-M5	M4120-M5	M4210-06	M4220-06	M4310-08	M4320-08
	M4110-06	M4120-06	M4210-08	M4220-08	M4310-10	M4320-10
Weight (g)	120	175	220	320	310	400
Material of Body	Aluminum alloy					
Valve Type	5 ports and 2 positions					
Thread Type	G thread standard default, PT, NPT thread are available					
Lubrication Notes	Once lubricated used, continue with same medium to optimize valve life span					
DIN Connector	A variety of color options: Black, Translucent Tawny, Transparent					

Specifications

Model	M4110-M5	M4110-06	M4210-06	M4210-08	M4310-08	M4310-10	M4410-10	M4410-15
	M4120-M5	M4120-06	M4220-06	M4220-08	M4320-08	M4320-10	M4420-10	M4420-15
Port size	M5	1/8"	1/8"	1/4"	1/4"	3/8"	3/8"	1/2"
Orifice Size (Cv)	10.2 mm ² Cv=0.6	10.2 mm ² Cv=0.6	17 mm ² Cv=1.00	17 mm ² Cv=1.00	28 mm ² Cv=1.65	28 mm ² Cv=1.65	50 mm ² Cv=2.79	50 mm ² Cv=2.79
Working Medium	Air (to be filtered by 40 μm filter element)							
Acting Type	Internal pilot type / External pilot type							
Reset Type	Air reset / Spring reset							
Lubrication	Not required							
Working Pressure	0.15 - 0.8 Mpa (21 - 114 Psi)							
Max. Proof Pressure	1.2 Mpa (0 - 174 Psi)							
Working Temperature	-5 - 60 (No Freezing)							
Voltage Range	AC : $\pm 15\%$ & DC : $\pm 10\%$							
Power Consumption	AC220V: 3.5 VA	AC110V: 3.5 VA	AC24V: 4.0 VA	DC24V: 2.5 W	DC12V: 2.5 W			
Insulation & Protection	Class F ; IP65 (DIN40050)							
Connection Form	Line type or Terminal type							
Highest Acting Frequency	5 Cycles / Second							
Shortest Excitation Time	0.05 Second							

Ordering Code



Series Code:
M: 5/2 NAMUR series
MA: 5/2 NAMUR Air Control

Note:
 Valve body color can be customized
 Please consult SENYA staffs
 for more details

Body Size
1: 1 series body size
2: 2 series body size
3: 3 series body size
4: 4 series body size

Coil Control
10: Single Coil Control
20: Double Coils Control

Note: If choose MA series air control
 no need for this code.

VOLTAGE	
A1: AC380V	D1: DC12V
A2: AC220V	D2: DC24V
A3: AC110V	
A4: AC24V	

Electrical Entry
Blank: DIN Connector
F: Flying leads (0.5m)

Note: it only for DIN
 connector option

DIN Connector Type
Blank: Brown Translucent
B: Black Non-Translucent
J: Translucent

Note: if chooses M5 thread,
 no need for this code.

Thread Standard
Blank: G
P: PT
N: NPT

Port Size

M5:	M5
06:	1/8"
08:	1/4"
10:	3/8"
15:	1/2"

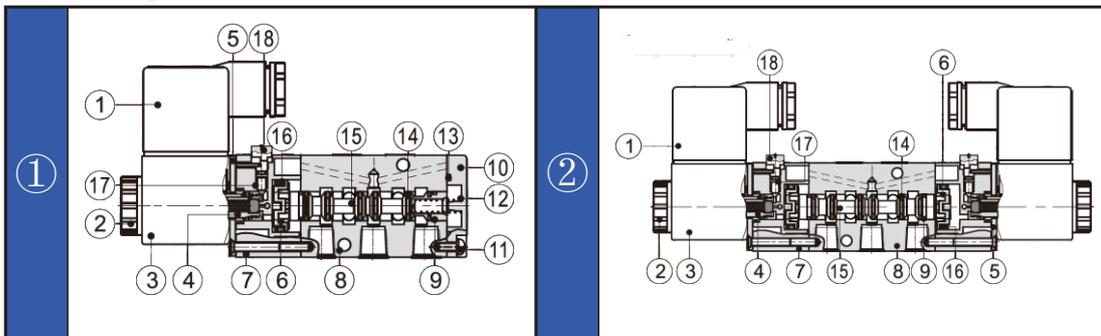
Ordering Example:

5/2 ways, solenoid valve (NAMUR), 2 series body size, single coil control, AC220V, DIN connector, 1/8" G
 SENYA part# M4210-06A2

Product Structure:

① Single Coil Control

② Double Coils Control



1	Connector	4	Armature	7	Pilot kit	10	Bottom cover	13	Bottom cover gasket	16	Piston O-ring
2	Coil net	5	Fixed plate	8	Body	11	Fixed Screw	14	Spool O-ring	17	Override spring
3	Coil	6	Piston	9	Wear ring	12	Spool spring	15	Spool	18	Manual override

5/2
SERIES
M

Directional Valve
5/2 (NAMUR) Solenoid Valve
Pilot-oriented
1 - 4 series body size

