

4V、3V Series Solenoid Valve,4A、3A Series Pneumatic Control Valve

NEW



Product instruction

This solenoid valve is our new developed product. All the installation dimension is the same as 3V, 4V series, and the valve spindle material is still aluminum, but we changed the material outside valve spindle into POM (polyformaldehyde). Then it will be not only the seal-ring that operate separately, which will bring the new product two advantages:

If you need this new product, please add the word "new" (abbreviation "N") after the ordering code, for example: 4V210-08-N.

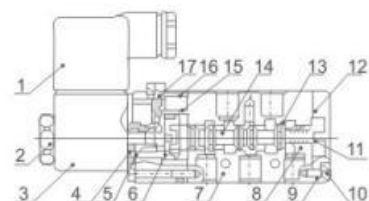
1. High dust prevention, air-proof
2. One or twice lifetime than normals'

- 1 Spool:material aluminum 6061
- 2 O-ring:material NBR
- 3 White case:Material POM

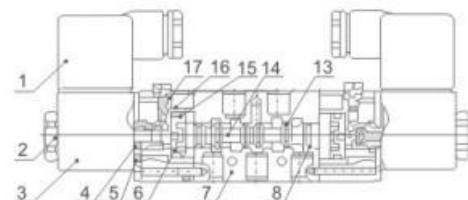


4V Series Internal structure

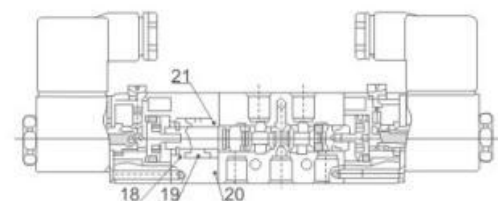
4V110~410



4V120~420



4V130~430

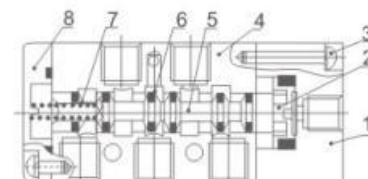


NO	Designation	NO	Designation
1	Connector	12	Seal ring
2	Nut	13	O-Ring
3	Coil	14	Spool
4	Active Amature	15	O-Ring
5	Steel Part	16	Spring
6	Piston	17	Pin
7	Body	18	Spring Seat
8	Wearing	19	Spring
9	End Cap	20	Side Cover
10	Screw	21	Spring Seat
11	Spring		

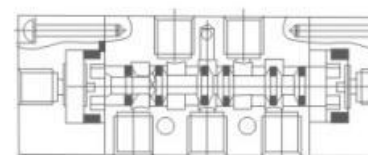
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4A Series Internal structure

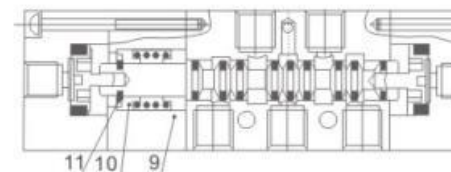
4A110~410



4A120~420



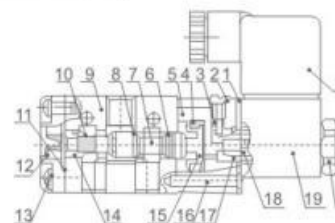
4A130~430



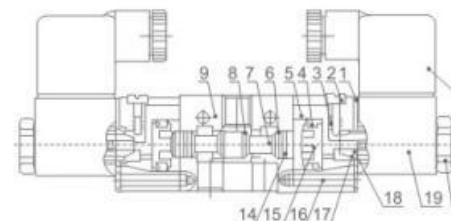
NO	Designation
1	Air control cover
2	Piston
3	Screw
4	Valve body
5	Spool
6	O-Ring
7	Spring
8	Rear cover
9	Back seat
10	Spring seat
11	C-type buckle

3V Series Internal structure

3V110~410



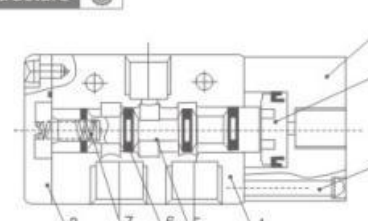
3V120~420



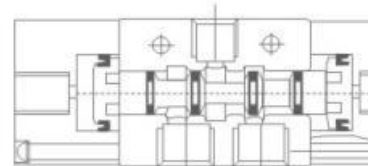
NO	Designation	NO	Designation
1	Washer	12	End Cap
2	Pin	13	Screw
3	Spring	14	Wearing
4	O-Ring	15	Piston
5	Body	16	Screw
6	O-Ring	17	O-Ring
7	Spool	18	Active Amature
8	O-Ring	19	Coil
9	Body	20	Nut
10	Spring	21	Connector
11	Seal		

3A Series Internal structure

3A110~410

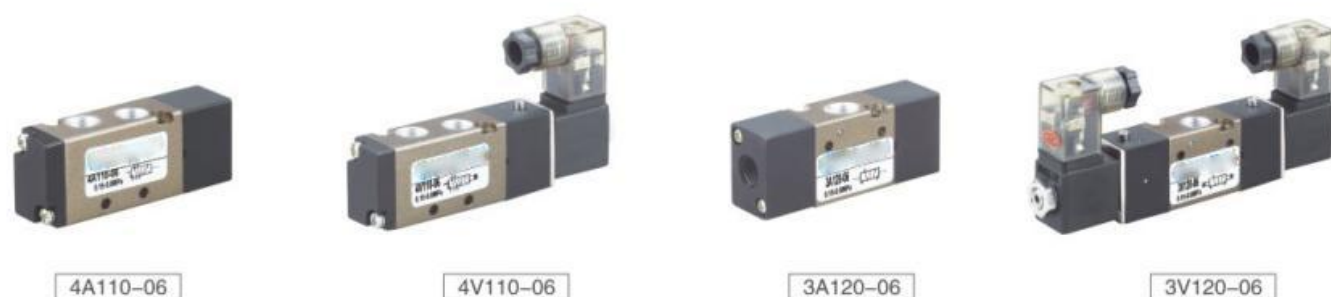


3A120~420



NO	Designation
1	Air control cover
2	Piston
3	Screw
4	Valve body
5	Spool
6	O-Ring
7	Spring
8	Rear cover

4V、3V100 Series Solenoid Valve,4A、3A 100 Series Pneumatic Control Valve



Ordering Code

4V	1	10	06		AC220V	
Specification Code 4V:Two(Three)-position Five-way Solenoid Valve 4A:Two(Three)-position Five- way pneumatic control valve 3V:Two-position Three-way Solenoid valve 3A:Two-position Three-way pneumatic control valve	Series Code 100 Series	Coil and Places 10:Single-head Double-position 20:Double-head Double-position 30C:Double-head Three-position Close Type 30E:Double-head Three-position Exhaust Type 30P:Double-head Three-position Pressure Type	Port Size M5:M5×0.8 06:G1/8"	Port connection and Initial State NC:Two-position Three- way Normal Close Type NO:Two-position Three- way Normal Open Type	Standard Voltage DC12V DC24V AC24V 50Hz/60Hz AC110V 50Hz/60Hz AC220V 50Hz/60Hz AC380V 50Hz/60Hz	Wiring Form Blank:Standard Connector LD:Brown With Lighting Connector LD1:White With Lighting Connector W:Lead Wire Type

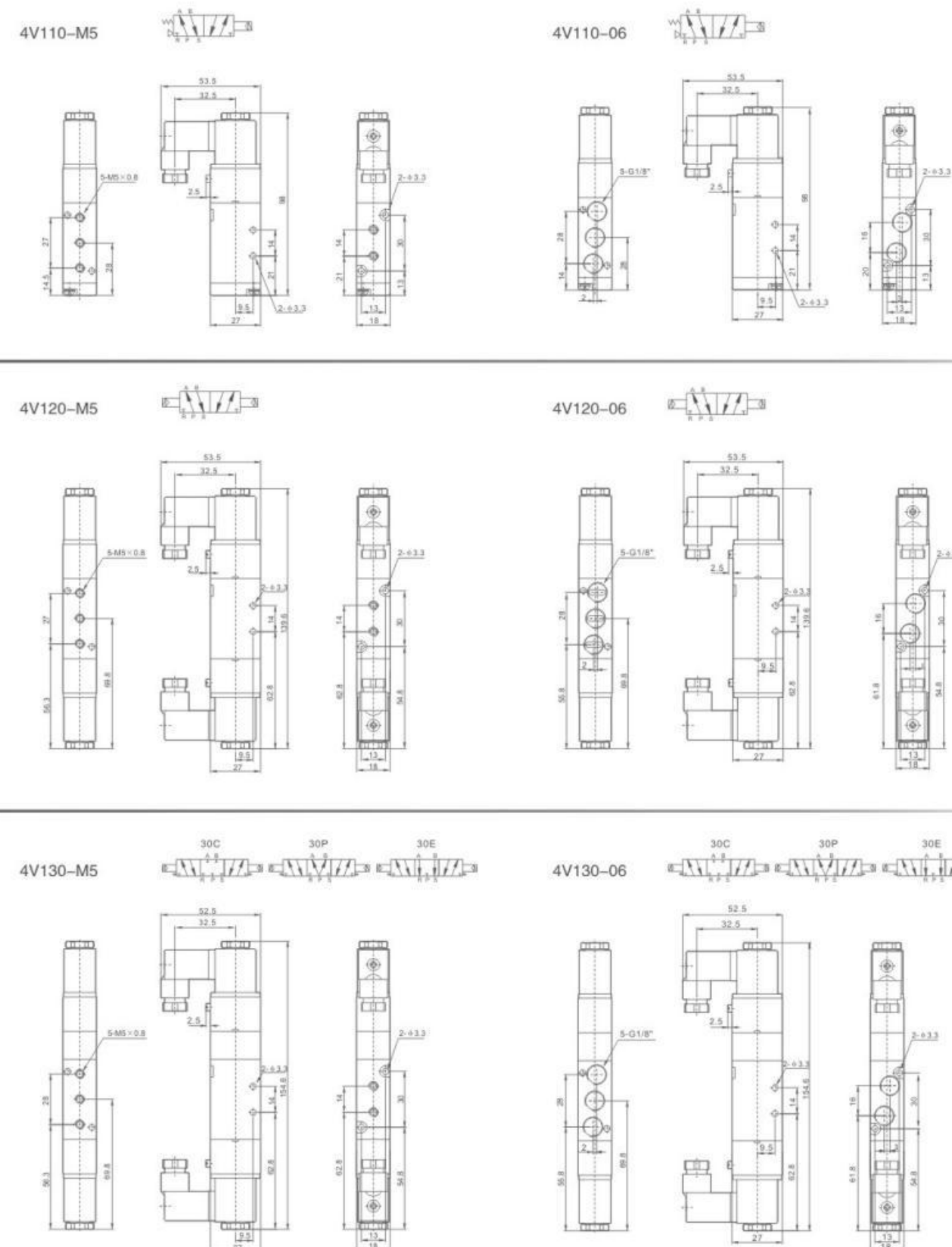
Specifcation

Model	4V110-M5	4V120-M5	4V130C-M5	4V130E-M5	4V130P-M5	4V110-06	4V120-06	4V130C-06	4V130E-06	4V130P-06
	4A110-M5	4A120-M5	4A130C-M5	4A130E-M5	4A130P-M5	4A110-06	4A120-06	4A130C-06	4A130E-06	4A130P-06
Position and Way NO.	Two-position Five-way		Three-position Five-way		Two-position Five-way		Three-position Five-way			
Effective Sectional Area	10mm ² (CV=0.56)		7mm ² (CV=0.40)		12mm ² (CV=0.67)		9mm ² (CV=0.5)			

Model	3V110-M5	3V120-M5	3A110-M5	3A120-M5	3V110-06	3V120-06	3A110-06	3A120-06
Position and Way NO.	Two-position Three-way				Two-position Three-way			
Effective Section Area	10mm ² (CV=0.56)				12mm ² (CV=0.67)			
Joint Pipe Bore	Air Inlet=Air Outlet=Exhaust=M5x0.8				Air Inlet=Air Outlet=Exhaust=G1/8"			
Working Medium	40 Micron Filtered Air							
Motion Pattern	Inner Guide Type							
Working-pressure	0.15~0.8 M Pa							
Max. Pressure Resistance	1.2MPa							
Operating Temperature	5~50℃							
Voltage Range	±10%							
Power Consumption	AC: 2.5VA DC: 2.5W							
Insulation & Protection Class	F Class. IP65							
Wiring Form	Lead Wire or Connector type							
Highest Action Frequency	5 Cycle / Second							
Shortest Excitation Time	0.05 Second							

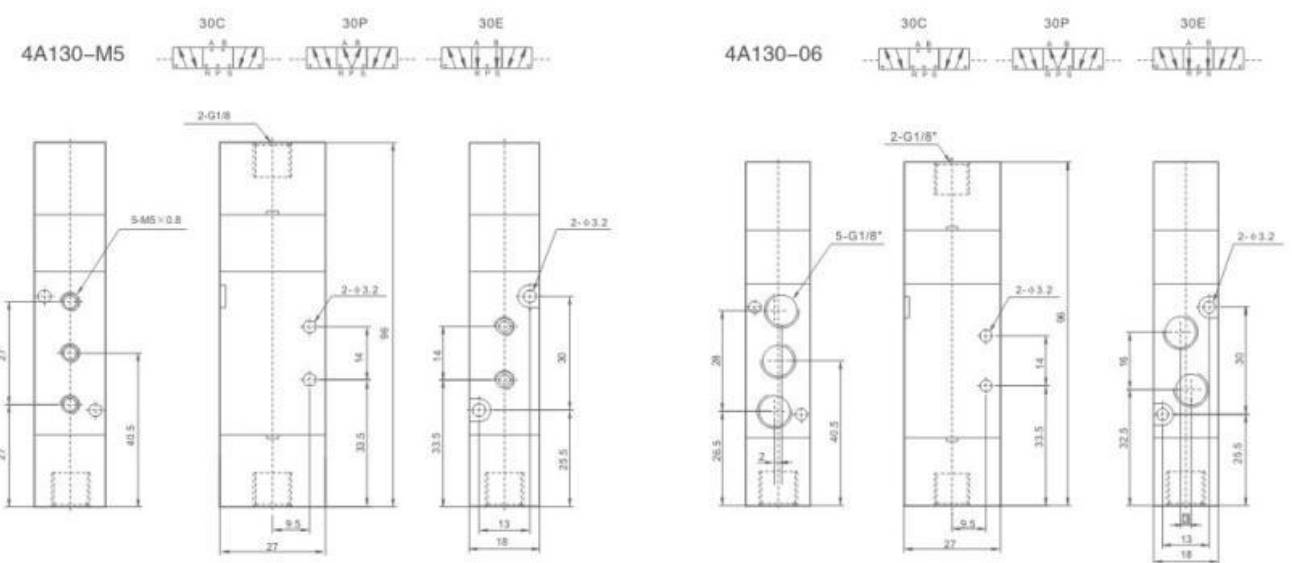
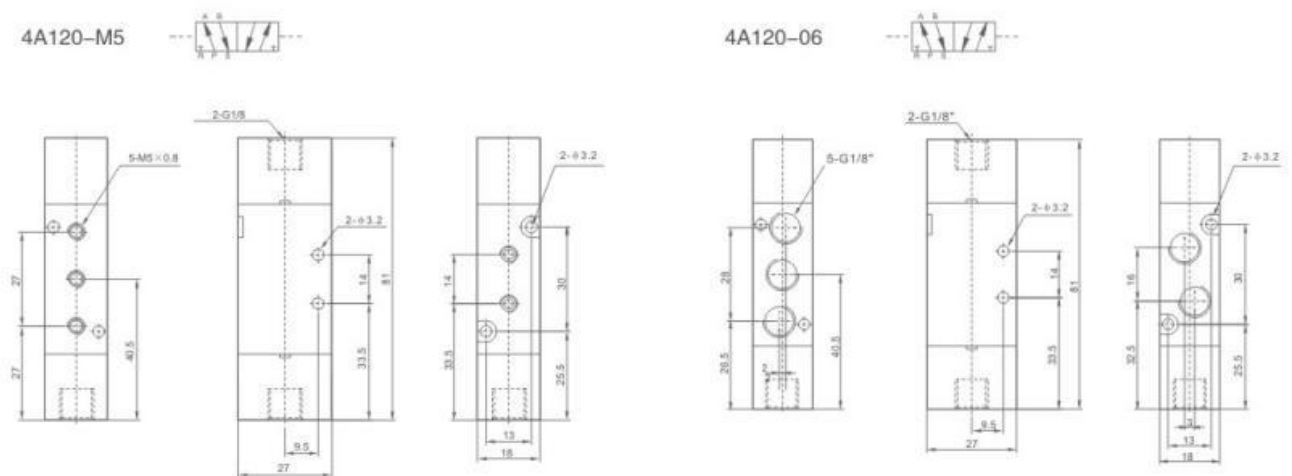
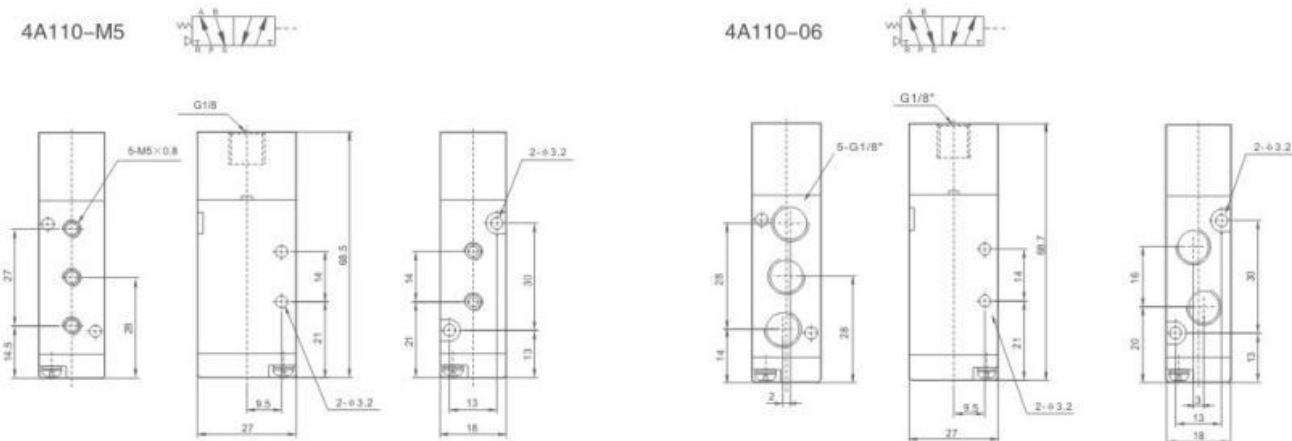
4V、3V100 Series Solenoid Valve,4A、3A100 Series Pneumatic Control Valve

Overall Dimensions



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Overall Dimensions

