

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

NEW



- Except the existing colours, now we have launched black valve body with laser printing model number.
- Other colours of body can be produced if order quantity meets our required.

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:

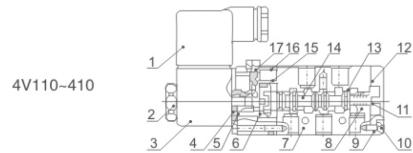
If you need this new product, please add the word "new" (abbreviation "N") after the ordering code, for example: 4V210-08-N.

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

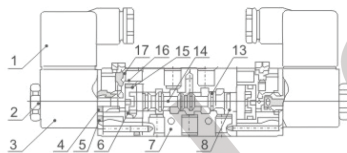
- 1 Spool:material aluminum 6061
- 2 O-ring:material NBR
- 3 White case:Material POM



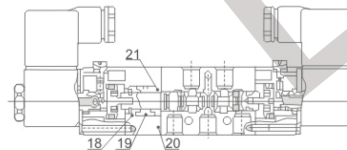
4V Series Internal structure



4V110-410



4V120-420

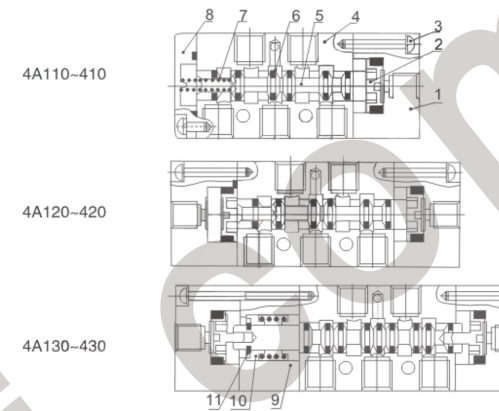


4V130-430

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		

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

4A Series Internal structure



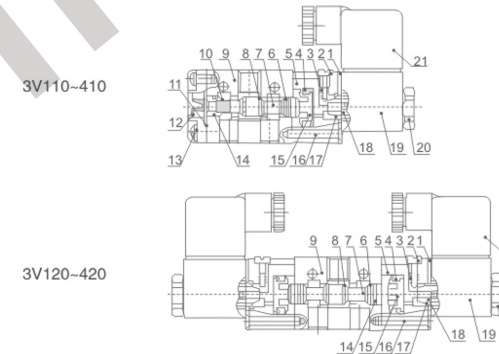
4A110-410

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

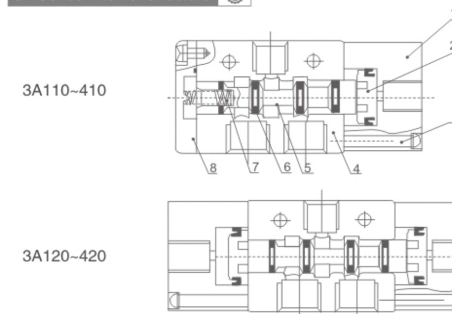


3V110-410

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

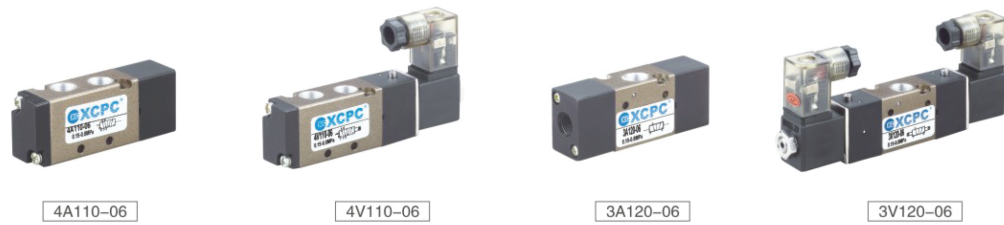


3A110-410

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

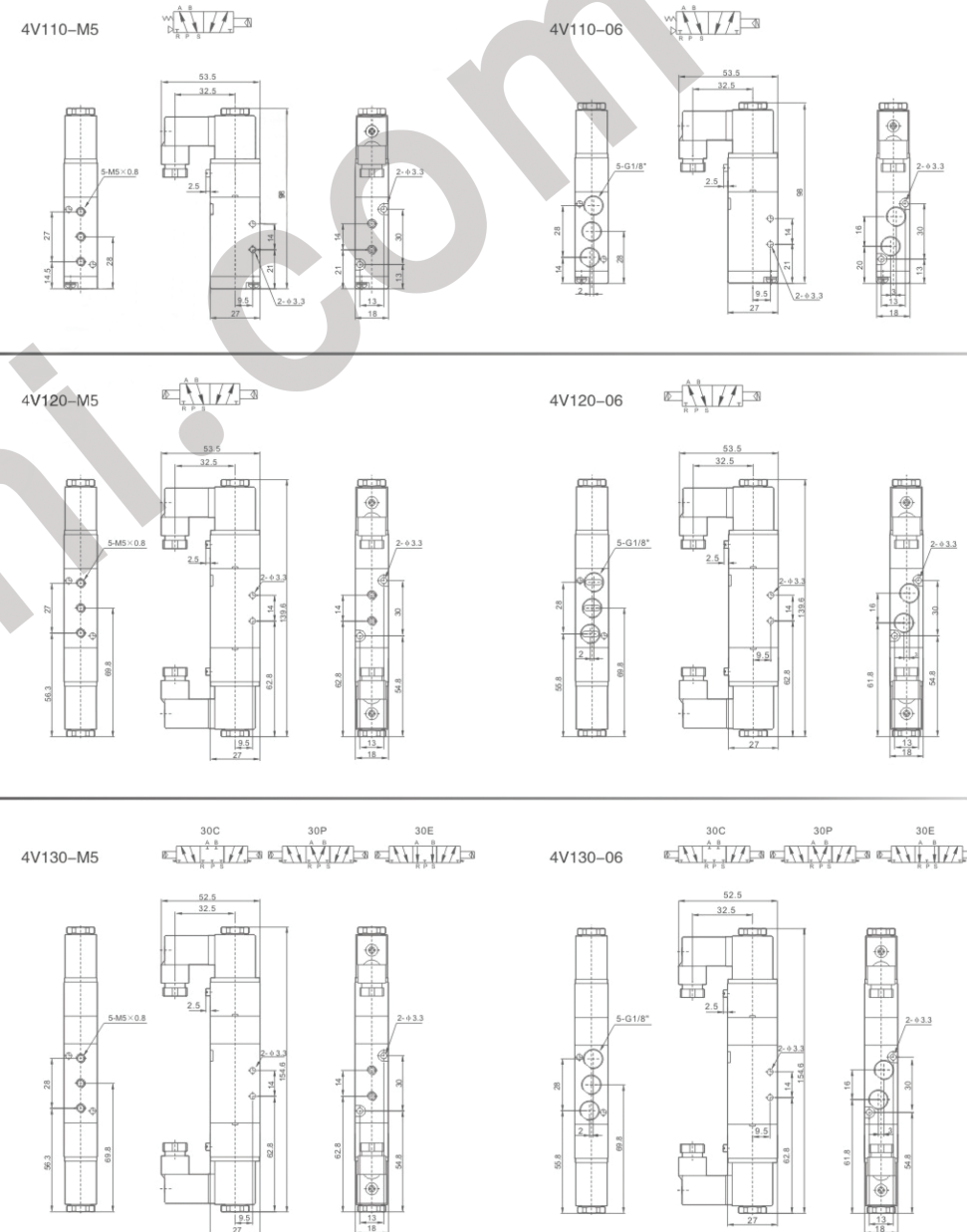
Wiring Form
 Blank: Standard Connector
 LD: Brown With Lighting Connector
 LD1: White With Lighting Connector
 W: Lead Wire Type

Specification

Model	4V110-M5	4V120-M5	4V130C-M5	4V130E-M5	4V130P-M5	4V110-06	4V120-06	4V130C-06	4V130E-06	4V130P-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			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 MPa									
Max. Pressure Resistance	1.2MPa									
Operating Temperature	5~50°C									
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									

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Overall Dimensions



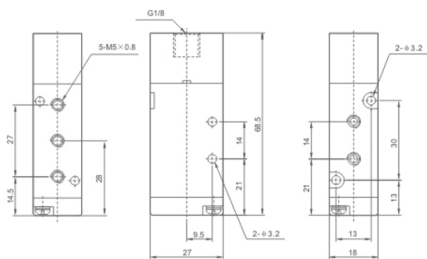
4V、3V100 Series Solenoid Valve, 4A、3A 100 Series Pneumatic Control Valve

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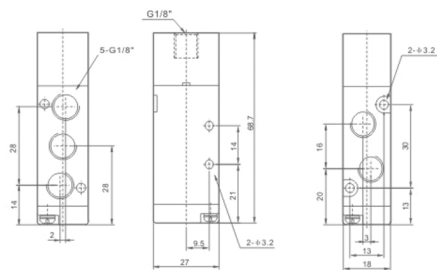
Overall Dimensions

Overall Dimensions

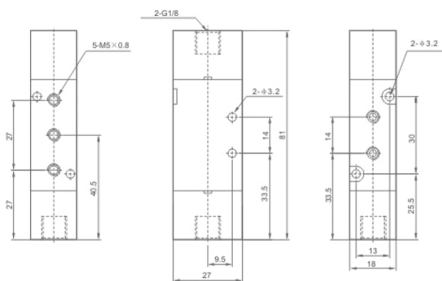
4A110-M5



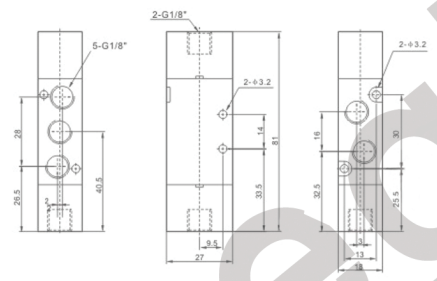
4A110-06



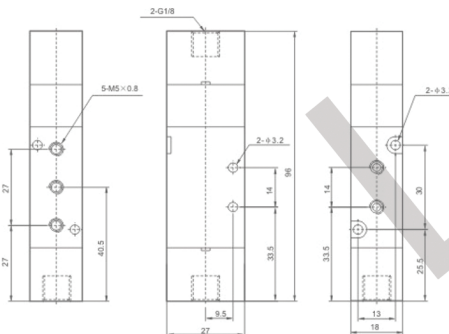
4A120-M5



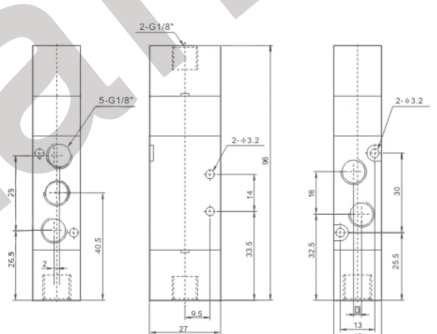
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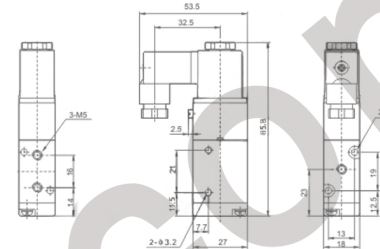
4A130-M5



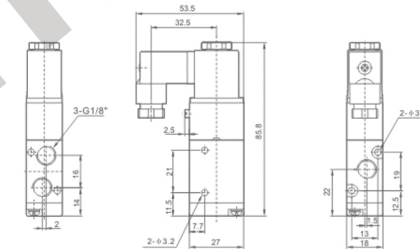
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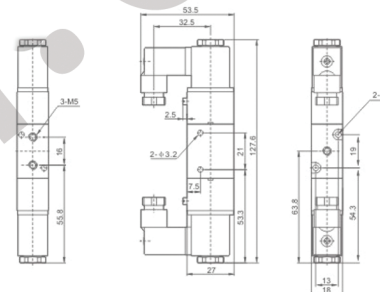
3V110-M5



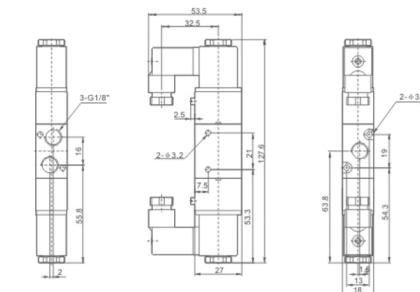
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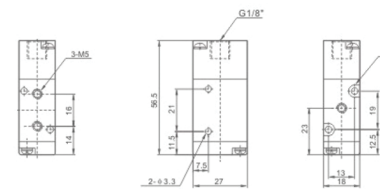
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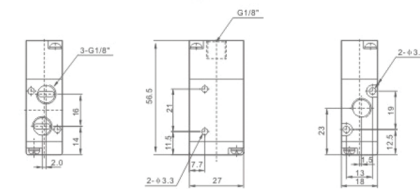
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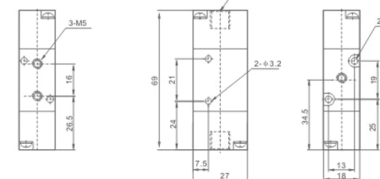
3A110-M5



3A110-06



3A120-M5



3A120-06

