

5V400 Series

Solenoid Valve / Air piloted Valve



We make the difference



Own Independent Intellectual Property Rights

APPL:
2013303668314.7



5V420-15



5V410-15

Features

1. Single solenoid valve uses new design with piston reset and improve steadiness, functionality and life time.
2. We guarantee inner hole with Ra0.1 roughness within our new processing.
3. Special treatment to take care of inner hole to reduce the resistance, for the spool adding anti-friction seal to improve the stability during movement.
4. For our manufacturing process we use imported HNBR to reduce friction.
5. To import German high standard special grease which provides film in order to reduce the friction.
6. To introduce Taiwan high precise injection mould and seals die, to enhance precision and stability.
7. New visual style, synchronized with global outstanding product standard.
8. Adding the logo on behalf of the company innovation for individual market recognition on the product which has design patent.

Ordering Code

5V	4	10	15	B	F	AC220V	W	F
Specification	Series Code	Coil and Position	Port Size	Connection and Initial status	Reset form and color	Standard Voltage	Wiring	Joint
5V:2(3) way solenoid valve	400 Series	10: Single coil 5/2 way	10:3/8"	Blank: Threaded	Blank: Air reset (red front and back cover)	DC12V	Blank: Brown with light terminal	1F-20F
5A:2(3) way air pilot valve		20: Double coil 5/2 way	15:1/2"	B: Namur	F: Air reset (black front and back cover)	DC24V	LD1: White with light terminal	
		30C: Double coils 5/3 way-closed			S: Spring reset (black front and back cover)	AC24V	W: Lead wire	
		30E: Double coils 5/3 way-exhausted				AC110V		
		30P: Double coils 5/3 way-pressed				AC220V		

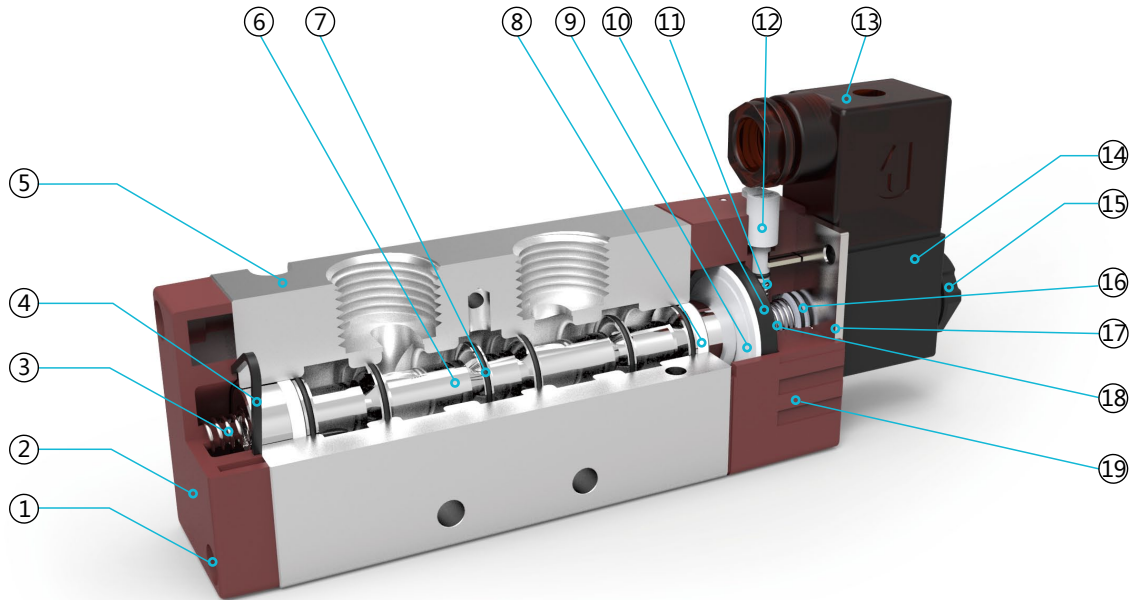
- *Note:**
1. Red and black colour is available for option.
 2. Only black colour is available for spring reset products.
 3. Only black colour and spring reset is available for 310, 410 series single coil valve.

Specification

Model	5V410-15	5V420-15	5V430C-15	5V430E-15	5V430P-15
	5A410-15	5A420-15	5A430C-15	5A430E-15	5A430P-15
Valve Type	5/2 Way		5/3 Way		
Effective Cross Section Area	50 mm ² (CV=2.79)		30 mm ² (CV=1.68)		
Port Size	Inlet, Outlet, Exhaust Port = G1/2"				
Working Medium	40 Micron Filtered Air				
Operation	Internal piloted				
Working-pressure	0.15 ~ 0.8 MPa				
Max. Test Pressure	1.2 MPa				
Ambient Temperature	-20 ~ 70 °C				
Operating Voltage Tolerance	DC: ± 10% AC: ± 15%				
Power Consumption	AC: 3.5 VA DC: 3.0 W				
Connector Protection	F Class, IP 65				
Wiring / Connector	Cable / Lead Wire or DIN Connector				
Switching Frequency	5 Cycles / Sec.				
Response Time	0.05 Sec.				

- NEW
- 5V100
- 5V200
- 5V300
- 5V400
- JSY
- JEL10
- JEL-JN
- 551
- 4F210
- JELVD
- DN
- DSN
- DN/DSN A
- MA
- MAC
- MA/MAC A
- MAL
- MALC
- MAL/MALC A
- SDA

Internal Structure

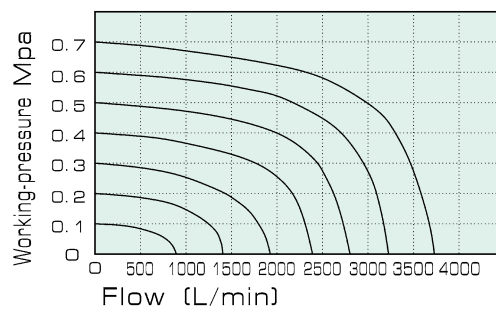


Parts

Number	Name	Number	Name	Number	Name
1	Cross slot pan screw	8	Anti-friction seal	15	Coil nut
2	Back cover	9	Piston	16	O ring
3	Spring	10	Y ring	17	Connecting part
4	Anomalous seal	11	Spring	18	Plunger
5	Valve body	12	Manual ride spindle	19	Piloted valve base
6	Valve spool	13	Terminal		
7	Flat ring	14	Coil		

Flow Chart

Model : 5V410-08



NEW

5V100

5V200

5V300

5V400

JSY

JEL10

JEL-JN

551

4F210

JELVD

DN

DSN

DN/DSN A.

MA

MAC

MA/MAC A.

MAL

MALC

MAL/MALC A.

SDA

5V400 Series

Solenoid Valve / Air piloted Valve

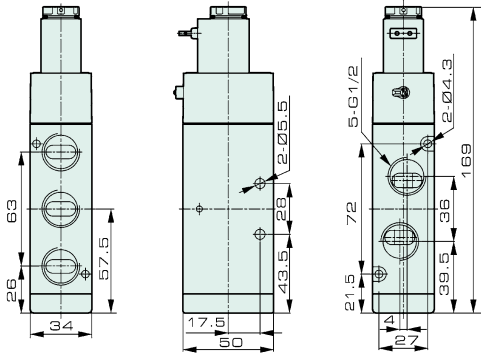


We make the difference

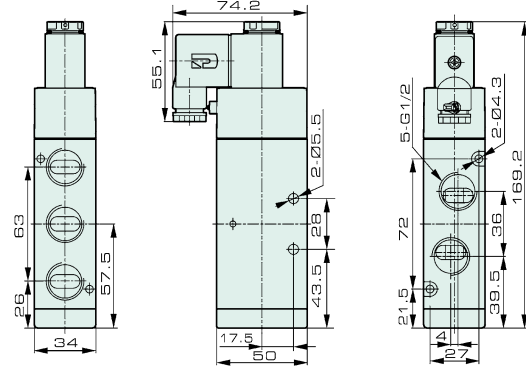
Overall Dimension

- NEW
- 5V100
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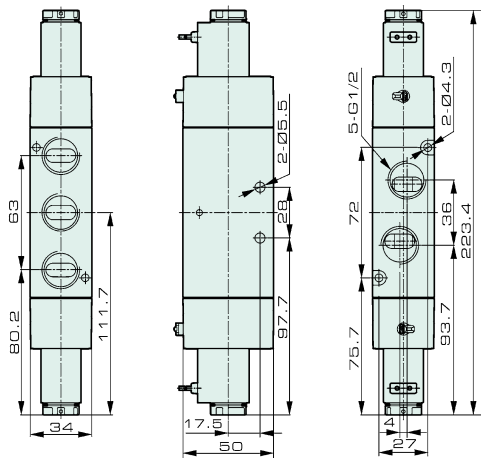
5V410-15



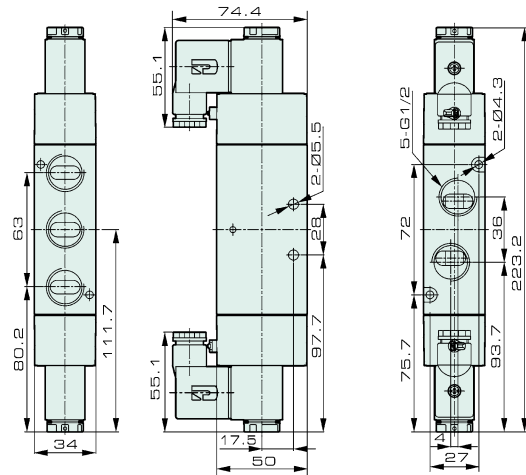
5V410-15



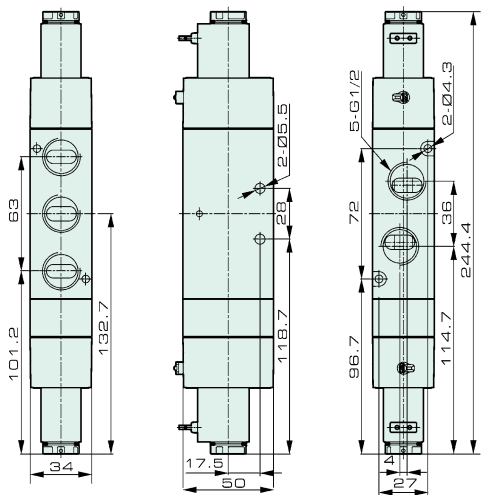
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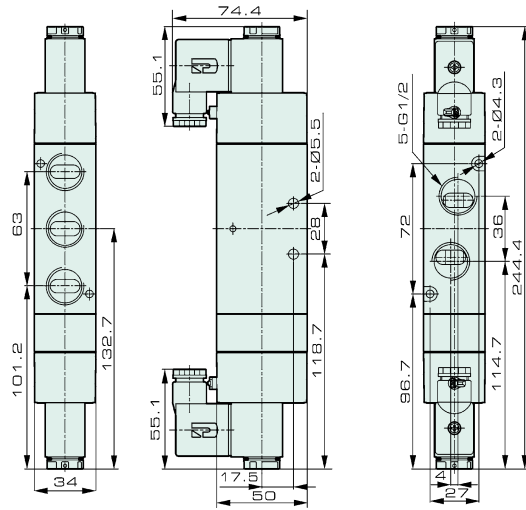
5V420-15



5V430-15



5V430-15



APPL: 201330366828.5

Features

1. Inner exhausting structure and no pollution.
2. Low power consumption of 1.2W.
3. Sliding structure and special to upgrade flow, life time, seal function and response.
4. Special treatment to look after inner hole for less friction, lower starting pressure and long life time.
5. Integrated intallation to save space.



Ordering Code

JSY	15	0	06	DC24V	F
Specification	Series Code	Position	Port Size	Voltage	Joint
	15mm Series	0: Single coil 5/2 way 2: Double coil 5/2 way 3C: double coil 5/3 way-closed 3E: double coil 5/3 way-exhausted 3P: double coil 5/3 way-pressed	06: 1/8"	DC24V	1F-20F

Specification

Valve type (mm)	JSY150-06	JSY152-06	JSY153C-06	JSY153P-06	JSY153E-06
Valve type	5/2 way		5/3 way		
Effective cross section area	8.3mm ² (CV = 0.49)		7.2mm ² (CV = 0.42)		
Port size	Inlet=Outlet=Exhaust=G1/8"				
Working medium	40 Micron filtered air				
Working pressure	0.15 ~ 0.7MPa	0.1 ~ 0.7MPa	0.15 ~ 0.7MPa		
Max pressure	1MPa				
Working temperature	0 ~ 50°C				
Power consumption	1.2W				
Switching frequency	5 Cycles/sec				

NEW

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JSY

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MA

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