

4V100 SERIES SOLENOID VALVE, PNEUMATIC CONTROL VALVE



Ordering Code

4V - 1 - 10 - 06 - B - W - AC220V

Specification Code

4V: 5/2(3) Way Solenoid Valve
4A: 5/2(3) Way Pneumatic Control Valve
3V: 3/2 Way Solenoid Valve
3A: 3/2 Way Pneumatic Control Valve

Series Code

100 Series

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: M5x0.8
06: 1/8"

Joint Pipe Form and Initial State
Blank: Pipe Connection Type
B: 5/2 Way Plate Connection Type
5/3 Way Plate Connection Type
NC: 3/2 Way Normal Close Type
NO: 3/2 Way Normal Open Type

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

Standard Voltage
DC12V
DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

Specification

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.	5/2 Way	5/3 Way	5/2 Way	5/3 Way
Effective Section 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.	3/2 Way		3/2 Way	
Effective Section Area (mm)	10mm ² (CV=0.56)		12mm ² (CV=0.67)	
Port Size	Air Inlet=Air Outlet=Exhaust=M5×0.8		Air Inlet=Air Outlet=Exhaust=G1/8"	
Working Medium	40 Micron Filtered Air			
Motion Pattern	Inner Guide Type			
Working Pressure	0.15~0.8MPa			
Max. Pressure Resistance	1.2MPa			
Ambient 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 / Sec			
Shortest Excitation Time	0.05 Second			

4V200 SERIES SOLENOID VALVE, PNEUMATIC CONTROL VALVE



Ordering Code

4V - 2 - 10 - 08 - B - W - AC220V

Specification Code
4V: 5/2(3) Way Solenoid Valve
4A: 5/2(3) Way Pneumatic Control Valve
3V: 3/2 Way Solenoid Valve
3A: 3/2 Way Pneumatic Control Valve

Series Code
200 Series

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
06: 1/8"
08: 1/4"

Joint Pipe Form and Initial State
Blank: Pipe Connection Type
B: 5/2 Way Plate Connection Type
5/3 Way Plate Connection Type
NC: 3/2 Way Normal Close Type
NO: 3/2 Way Normal Open Type

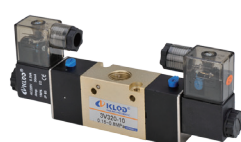
Wiring Form
Blank: Standard Connector
LD: Brown with Lighting Connector
LD: White with Lighting Connector
W: Lead Wire Type

Standard Voltage
DC12V
DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

Specification

Model	4V210-06 4V220-06	4V230C-06 4V230E-06 4V230P-06	4V210-08 4V220-08	4V230C-08 4V230E-08 4V230P-08
	4A210-06 4A220-06	4A230C-06 4A230E-06 4A230P-06	4A210-08 4A220-08	4A230C-08 4A230E-08 4A230P-08
Position and Way No.	5/2 Way	5/3 Way	5/2 Way	5/3 Way
Effective Section Area	14mm ² (CV=0.78)	12mm ² (CV=0.67)	16mm ² (CV=0.89)	12mm ² (CV=0.67)
Model	3V210-06 3V220-06 3A210-06 3A220-06	3V210-08 3V220-08 3A210-08 3A220-08		
Position and Way No.	3/2 Way			
Effective Section Area (mm)	14mm ² (CV=0.78)			
Port Size	Air Inlet=Air Outlet=Exhaust=G1/8"			
Working Medium	40 Micron Filtered Air			
Motion Pattern	Inner Guide Type			
Working Pressure	0.15~0.8MPa			
Max. Pressure Resistance	1.2MPa			
Ambient Temperature	5~50℃			
Voltage Range	± 10%			
Power Consumption	AC: 4.5VA DC: 3W			
Insulation & Protection Class	F Class, IP65			
Wiring Form	Lead Wire or Connector type			
Highest Action Frequency	5 Cycle / Sec			
Shortest Excitation Time	0.05 Second			

4V300 SERIES SOLENOID VALVE, PNEUMATIC CONTROL VALVE



3V320-10



4V310-10



4M310-10



4V320-10



4V330-10C



4A310-10



4A320-10



4A330-10C

Ordering Code

4V

-

3

-

10

-

10

-

B

-

W

-

AC220V

Specification Code

4V: 5/2(3) Way Solenoid Valve

4A: 5/2(3) Way Pneumatic Control Valve

3V: 3/2 Way Solenoid Valve

3A: 3/2 Way Pneumatic Control Valve

Series Code

300 Series

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

08: 1/4"

10: 3/8"

Joint Pipe Form and Initial State

Blank: Pipe Connection Type

B: 5/2 Way Plate Connection Type

5/3 Way Plate Connection Type

NC: 3/2 Way Normal Close Type

NO: 3/2 Way Normal Open Type

Wiring Form

Blank: Standard Connector

LD: Brown with Lighting Connector

LD: White with Lighting Connector

W: Lead Wire Type

Standard Voltage

DC12V

DC24V

AC24V 50Hz/60Hz

AC110V 50Hz/60Hz

AC220V 50Hz/60Hz

AC380V 50Hz/60Hz

Specification

Model	4V310-08 4V320-08	4V330C-08 4V330E-08 4V330P-08	4V310-10 4V320-10	4V330C-10 4V330E-10 4V330P-10
	4A310-08 4A320-08	4A330C-08 4A330E-08 4A330P-08	4A310-10 4A320-10	4A330C-10 4A330E-10 4A330P-10
Position and Way No.	5/2 Way	5/3 Way	5/2 Way	5/3 Way
Effective Section Area	25mm ² (CV=1.40)	18mm ² (CV=1.00)	30mm ² (CV=1.68)	18mm ² (CV=1.00)
Model	3V310-08 3V320-08 3A310-08 3A320-08	3V310-10 3V320-10 3A310-10 3A320-10		
Position and Way No.	3/2 Way			
Effective Section Area (mm)	25mm ² (CV=1.40)			
Port Size	Air Inlet=Air Outlet=Exhaust=G1/4"			
Working Medium	40 Micron Filtered Air			
Motion Pattern	Inner Guide Type			
Working Pressure	0.15~0.8MPa			
Max. Pressure Resistance	1.2MPa			
Ambient Temperature	5~50℃			
Voltage Range	± 10%			
Power Consumption	AC: 4.5VA DC: 3W			
Insulation & Protection Class	F Class, IP65			
Wiring Form	Lead Wire or Connector type			
Highest Action Frequency	5 Cycle / Sec			
Shortest Excitation Time	0.05 Second			

4V400 SERIES SOLENOID VALVE, PNEUMATIC CONTROL VALVE



Ordering Code

4V - 4 - 10 - 15 - B - W - AC220V

Specification Code

4V: 5/2(3) Way Solenoid Valve
4A: 5/2(3) Way Pneumatic Control Valve
3V: 3/2 Way Solenoid Valve
3A: 3/2 Way Pneumatic Control Valve

Series Code

400 Series

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

15: 1/2"

Joint Pipe Form and Initial State
Blank: Pipe Connection Type
B: 5/2 Way Plate Connection Type
5/3 Way Plate Connection Type
NC: 3/2 Way Normal Close Type
NO: 3/2 Way Normal Open Type

Wiring Form

Blank: Standard Connector
LD: Brown with Lighting Connector
LD: White with Lighting Connector
W: Lead Wire Type

Standard Voltage

DC12V
DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

Specification

Model	4V410-15	4V420-15	4V430C-15	4V430E-15	4V430P-15
	4A410-15	4A420-15	4A430C-15	4A430E-15	4A430P-15
Position and Way No.	5/2 Way		5/3 Way		
Effective Section Area	50mm ² (CV=2.79)		30mm ² (CV=1.68)		
Model	3V410-15	3V420-15	3A410-15	3A420-15	
Position and Way No.	3/2 Way				
Effective Section Area (mm)	50mm ² (CV=2.79)				
Port Size	Air Inlet=Air Outlet=Exhaust=G1/2"				
Working Medium	40 Micron Filtered Air				
Motion Pattern	Inner Guide Type				
Working Pressure	0.15~0.8MPa				
Max. Pressure Resistance	1.2MPa				
Ambient Temperature	5~50℃				
Voltage Range	± 10%				
Power Consumption	AC: 4.5VA DC: 3W				
Insulation & Protection Class	F Class. IP65				
Wiring Form	Lead Wire or Connector type				
Highest Action Frequency	5 Cycle / Sec				
Shortest Excitation Time	0.05 Second				