

2/2 WAY DIRECT ACTING SOLENOID VALVE, ZG3/8"-ZG2"



2W160-15S



2W200-20



2W250-25



2W400-40



2W500-50

Feature

Protection Degree is IP67, these valves can be supplied with manual operation.



2W250-25A



2W160-15NO



2W160-15Z



2W160-15H

Ordering Code

2W - 160 - 15 - A - E - AC110V

Specification
Code
2W: 2/2 Way
Solenoid Valve

Orifice Size
160: 16mm **350**: 35mm
160: 16mm **400**: 40mm
200: 20mm **500**: 50mm
250: 25mm

Port Size
10: ZG3/8"
15: ZG1/2"
20: ZG3/4"
25: ZG1"
35: ZG1 1/4"
40: ZG1 1/2"
50: ZG2"

A: Waterproof Coil
Blank: Round Coil
S: Square Coil IP65
H: Manual
NO: Normally Open
NC: Normally Close
Z: Ex-proof

L: Latching
SW: IP65
Wiring Coil
AB410B
ES: Energy
Saving Coil

Sealing
Material
Blank: NBR
E: EPDM
V: VITON
SI: SI

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

Specification

Model	2W160-10	2W160-15	2W200-20	2W250-25	2W350-35	2W400-40	2W500-50
Working Medium	Air, Water, Oil, Gas						
Operation	Direct Acting						
Acting Type	Normally Closed						
Orifice Size (mm)	16	20	25	35	40	50	
CV Value	4.8	4.8	12	24	29	48	
Port Size	ZG3/8"	ZG1/2"	ZG3/4"	ZG1"	ZG1 1/4"	ZG1 1/2"	ZG2"
Operation Fluid Viscosity	20 CST Below						
Pressure Difference	Air: 0~1.0MPa; Water: 0~0.7MPa; Oil: 0~0.9MPa; Normally open: 0~0.8MPa						
Operating Temperature	NBR: -5~80℃; EPDM: -5~120℃; VITON: -10~150℃; SI: -15~150℃ (orifice less than 25mm)						
Voltage Range	± 10%						
Material of Body	Brass						

US(2L) SERIES SOLENOID VALVE FOR STEAM



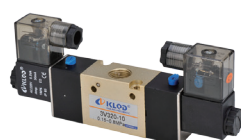
Ordering Code

US (2L)	-	15	-	SS	-	F	-	A	-	AC220V
2/2 Way Solenoid Valve		Port Size		Material of body		Blank: Thread		Blank: Round Coil		Standard Voltage
		15: ZG1/2"		S.S.: Stainless Steel		F: Flange		S: IP65 DIN Coil		DC12V
		20: ZG3/4"		Brass		L: Direct Acting		A: Water-proof Coil		DC24V
		25: ZG1"				V: VITON		Z: Ex-proof Coil		AC24V 50Hz/60Hz
								ES: Energy Saving Coil		AC110V 50Hz/60Hz
										AC220V 50Hz/60Hz
										AC380V 50Hz/60Hz

Specification

Model	US(2L)-15	US(2L)-20	US(2L)-25	US(2L)-35	US(2L)-40	US(2L)-50
Working Medium	Air, Water, Steam					
Operation	Pilot Operated / Direct Acting					
Acting Type	Normally Closed					
Orifice Size (mm)	17		22	30		50
CV Value	4.8		12	20		48
Port Size	ZG1/2"	ZG3/4"	ZG1"	ZG1 ¹ /4"	ZG1 ¹ /2"	ZG2"
Operation Fluid Viscosity	20 CST Below					
Pressure Difference	Pilot Operated: 0.1~1.5MPa			Direct Acting: 0~0.8MPa		
Operating Temperature	PTFE: -20 ~ 185℃			VITON: -10 ~ 150℃		
Voltage Range	± 10%					
Material of Body	Brass or Stainless Steel					
Material of Oil Seal	PTFE / VITON					

4V300 SERIES SOLENOID VALVE, PNEUMATIC CONTROL VALVE



3V320-10



4V310-10



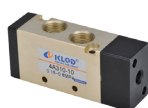
4M310-10



4V320-10



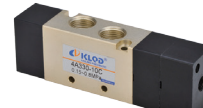
4V330-10C



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			