

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						

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

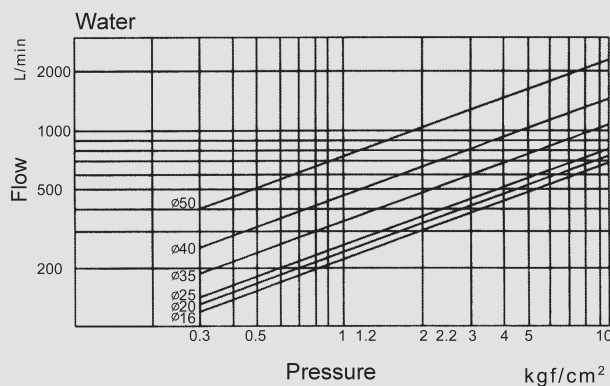
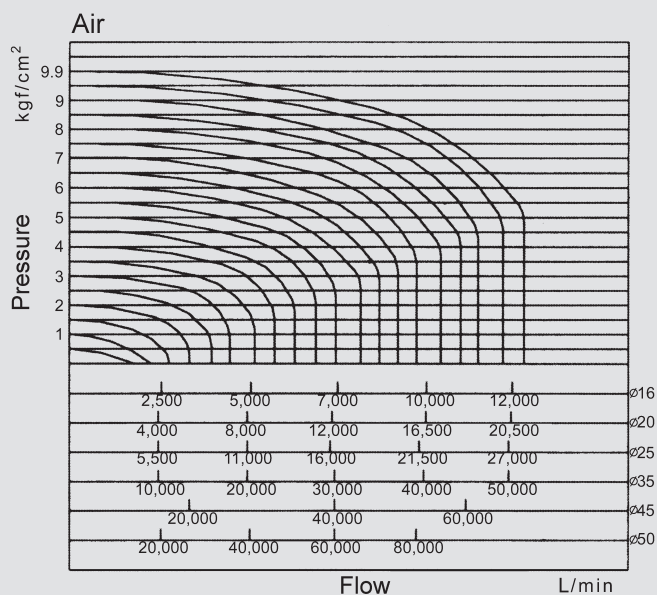
Features of Latching Solenoid Valve

1. Energy savings.
2. Low activated power.

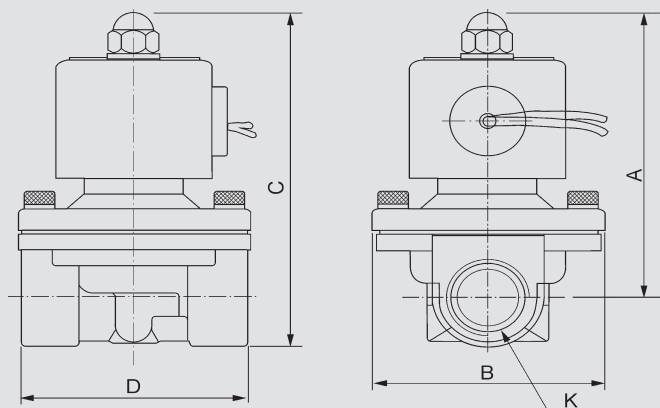
Working Principle of Latching Solenoid Valve

A permanent magnet that requires no electric input is built into the top of the valve. The small magnet's field is not enough to activate the plunger. When the valve is switched opened with full power, the permanent magnet is strong enough to keep the valve open. This allows the valve to remain open after the initial electrical power has been turned off, thus offering significant potential energy savings. The valve will remain open until another electrical charge, of opposite polarity, is applied.

Flow Chart



Overall Dimension



Dimension Sheet

Model	A	B	C	D	K
2W160-10	90	56	103	66	ZG3/8"
2W160-10-NO	112		125		
2W160-15	90	56	103	66	ZG1/2"
2W160-15-NO	112		125		
2W200-20	94	56	110	73	ZG3/4"
2W200-20-NO	116		132		
2W250-25	98	73	117	98	ZG1"
2W250-25-NO	120		139		
2W350-35	135	93	160	118	ZG1 1/4"
2W350-35-NO	155		180		
2W400-40	135	93	160	118	ZG1 1/2"
2W400-40-NO	155		180		
2W500-50	153	124	188	156	ZG2"
2W500-50-NO	174		209		

2/2 WAY DIRECT ACTING SOLENOID VALVE, ZG1/8"-ZG3/8"



2W025-08B



2W025-08



2W040-10



2WH012-08



2WH020-10

Ordering Code

2W

Specification Code
2W: 2/2 Way Direct Acting
2WH: 2/2 Way Solenoid Valve for High Pressures

025

Orifice Size
012: 1.2mm
020: 2mm
025: 2.5mm
040: 4mm

08

Port Size
06: ZG1/8"
08: ZG1/4"
10: ZG3/8"

B

Blank: Brass
B: Stainless Steel

S

Blank: Round Coil
S: Square Coil IP65

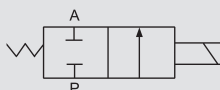
E

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

AC110V

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

Graphic Symbol

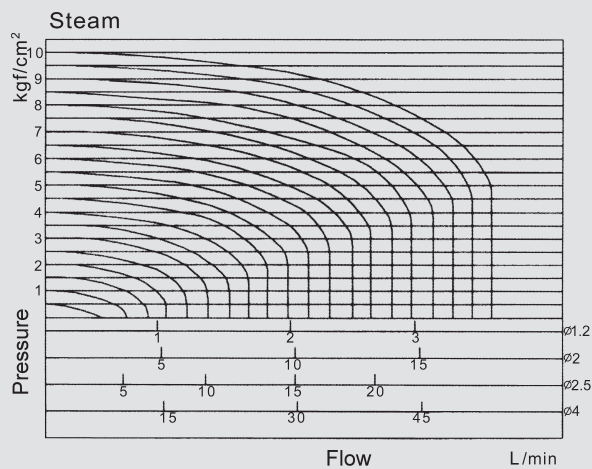
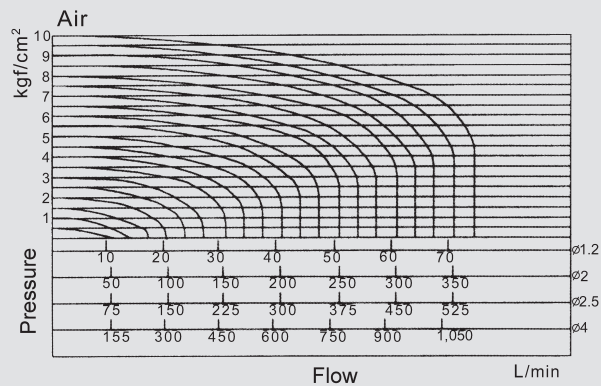
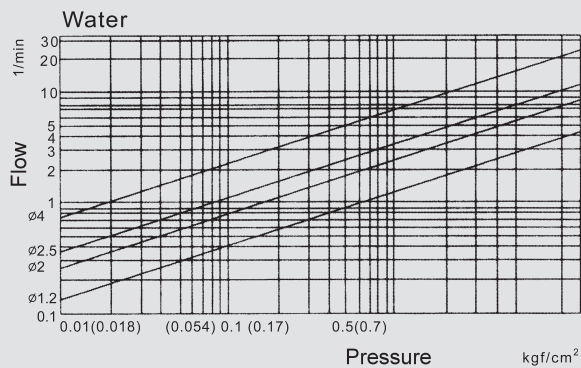


Specification

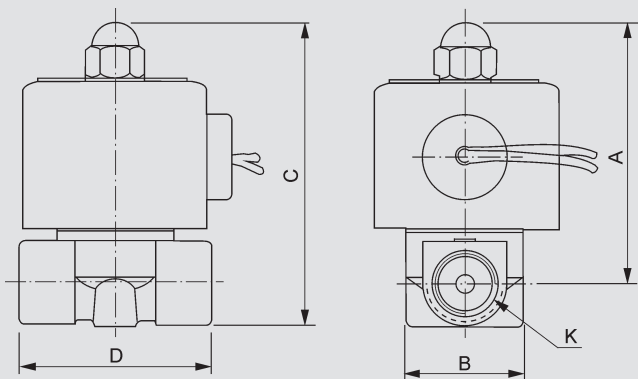
Model	2W025-06	2W025-08	2W040-10	2WH012-06	2WH012-08	2WH020-10
Working Medium	Air, Water, Oil, Gas					
Operation	Direct Acting					
Acting Type	Normally Closed					
Orifice Size(mm)	2.5		4	1.2		2
CV Value	0.23		0.60	0.05		0.15
Port Size	ZG1/8"	ZG1/4"	ZG3/8"	ZG1/8"	ZG1/4"	ZG3/8"
Operation Fluid Viscosity	20 CST Below					
Pressure Difference	Air, Water, Oil, Gas: 0~1.0MPa			Air, Water, Oil: 0~2.0MPa		
Operating Temperature	NBR: -5~80℃; EPDM: -5~120℃; VITON: -10~150℃; SI: -15~150℃					
Voltage Range	± 10%					
Material of Body	Stainless Steel or Brass					

2/2 WAY DIRECT ACTING SOLENOID VALVE, ZG1/8"-ZG3/8"

Flow Chart



Overall Dimension



Dimension Sheet

Model	A	B	C	D	K
2W025-06	62.5	30	71.5	40.5	ZG1/8"
2W025-08	62.5	30	71.5	40.5	ZG1/4"
2W040-10	70	32	80	55	ZG3/8"
2WH012-06	62.5	30	71.5	40.5	ZG1/8"
2WH012-08	62.5	30	71.5	40.5	ZG1/4"
2WH020-10	70	32	80	52.5	ZG3/8"