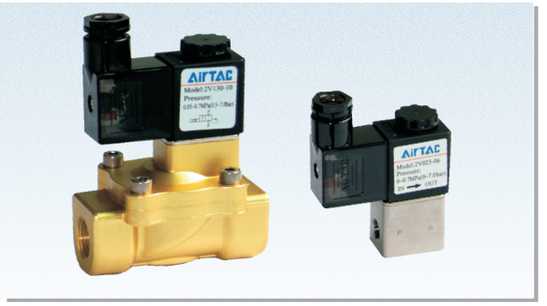
2V



Symbol

Product feature

2V025 series

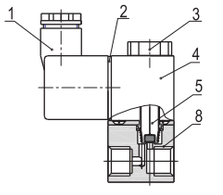
1. Direct drive (acting) and normally closed type 2/2 way solenoid valve can quickly and sensitively change the direction.
2. The structure is delicate and compact.
3. The valve body is made of brass, and the heat resistance classification of coil is B. The seals are made of fluorine rubber (VITON) which is suitable for several kinds of working medium.

2V130 and 250 series

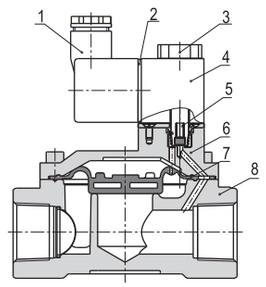
1. The 2/2 way diaphragm piloted solenoid valve has low energy consumption and large flow volume.
2. The starting pressure is low and operation differential pressure is < 0.05MPa.
3. The valve body is made of brass, and the heat resistance classification of coil is B step. The seals are made of NBR.

Inner structure

2V025 Terminal



2V250 Terminal



No.	Item	No.	Item	No.	Item	No.	Item
1	Connector	3	Nut	5	Armature assembly	7	Diaphragm
2	Connector gasket	4	Coil	6	Body cover	8	Body

Specification

Model	2V025–06	2V025–08	2V130–10	2V130–15	2V250–20	2V250–25
Fluid	Air. Water. Oil					
Acting	Direct acting		Intemally piloted acting			
Type	Normally closed					
Orifice size(Φmm)	2.5	2.5	13.0	13.0	25.0	25.0
Cv valve	0.23	0.25	6.20	6.20	13.00	13.00
Port size ①	1/8"	1/4"	3/8"	1/2"	3/4"	1"
Viscosity limit	Under 20CST					
Pressure range	0~1.0MPa(0~145psi)		0.05~1.0MPa(7~145psi)			
Proof pressure	1.5MPa(215psi)					
Material body	Brass with zinc plated		Brass			
Seal material	VITON		NBR			
Min. activating time sec	0.05 sec and below					

① PT thread, NPT thread and G thread are available.

Specification of coil

Valve type	Power type	Frequency (Hz)	Voltage range	Electrical entry	Power Consumption (VA/W)	Insulation	Temp. rise(℃)
2V025 2V130 2V250	AC	50	±15%	Terminal Grommet	7.0VA	Class B	35
		60					
	DC	–	±10%		7.0W		45

Ordering code

2V 025 08 A □ P

Model
2V: 2 port 2 position solenoid valve

Orifice size
025: Φ2.5mm
130: Φ13mm
250: Φ25mm

Port size

Orifice size	Port size
Φ2.5mm	06: 1/8"
	08: 1/4:
Φ13mm	10: 3/8"
	15: 1/2"
Φ25mm	20: 3/4"
	25: 1"

Thread type
P: PT
T: NPT
G: G

Electrical entry
Blank: Terminal
I: Grommet

Voltage
A: AC220V
B: DC24V
C: AC110V
E: AC24V
F: DC12V

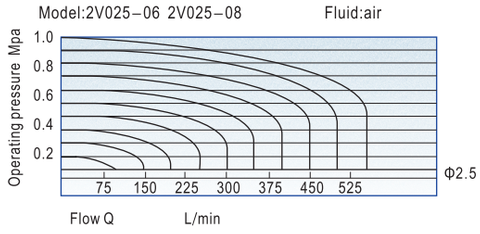
Usable fluid

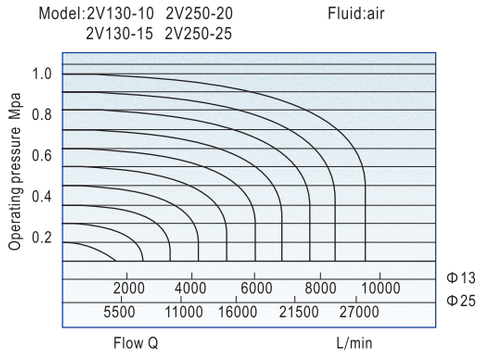
Seal material\Fluid	Water	Dry air	Acetone*	ISOVG32 oil	Glycol*	Nitrogen	Heavy oil
NBR	○	◎	△	◎	○	◎	○

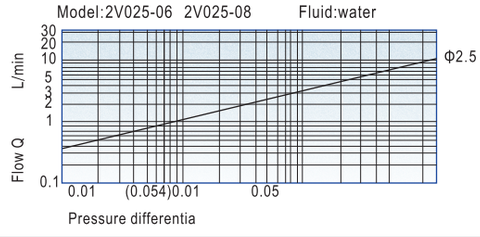
Seal material\Fluid	JIS# 1 Oil	JIS#3 Oil	Vegetable Oil	Inorganic Oil	Start Oil	Silicagel Oil	CO_2	Argon
NBR	◎	○	◎	◎	○	◎	◎	◎

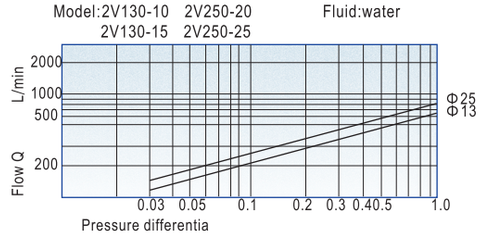
1 Note: ◎= Excellent(nearly without affect). ○= Good(workable thought some affect). △= Poor(large affect).
2 Note: "*" means inflamanable and explosive dangerous fluid. Please use the relative explosion proof coil.
3 Note: Please consult the technical department before using fluid that has not been shown in the above table.

Flow chart



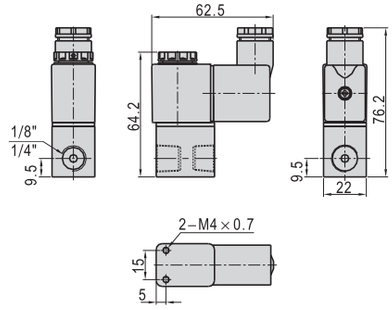




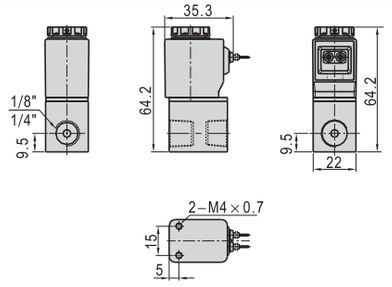


Dimensions

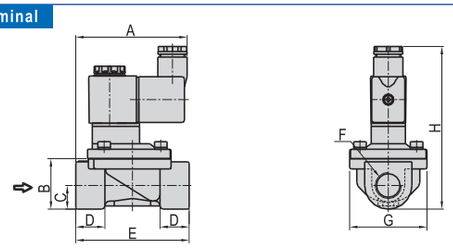
2V025 Terminal



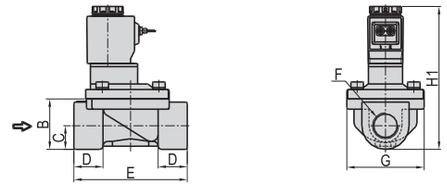
2V025 Grommet



2V130, 250 Terminal



2V130,250 Grommet



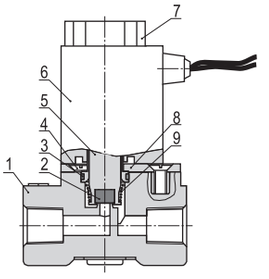
Model\Item	A	B	C	D	E	E	F	H	H1
2V130-10	70.7	32	15	18.5	72	3/8"	49	103.2	90.7
2V130-15	70.7	32	15	18.5	72	1/2"	49	103.2	90.7
2V250-20	73.7	45	21	23	102	3/4"	77.5	120	107.4
2V250-25	73.7	45	21	23	102	1"	77.5	120	107.4

Symbol

Product feature

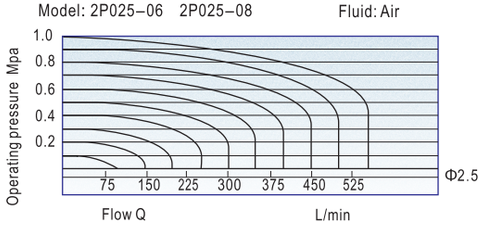
1. Direct acting and normally closed type 2/2 way solenoid valve can quickly and sensitively change the direction.
2. It has compact structure, small size and light weight. It is easy to be installed and dismantled.
3. The valve body is made of nylon 66. The heat resistance classification of coil is B step. The seals are made of VITON which is suitable for different kinds of fluid.
4. The protection class of coil is IP65, and the electrical entry is grommet.

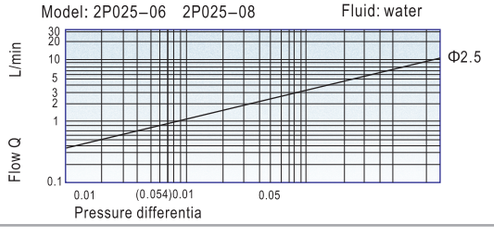
Inner structure



No.	Item	No.	Item	No.	Item
1	Body	4	Pilot screw	7	Coil nut
2	Botton cover gasket	5	Armature	8	Fixed plate
3	O-ring	6	Coil	9	Spring

Flow chart





Specification

Model	2P025-06	2P025-08
Fluid	Air, Water, Oil	
Acting	Direct acting	
Type	Normally closed	
Orifice size(Φmm)	2.5	
Cv valve	0.23	
Port siz	G1/8	G1/4
Viscosity limit	Under 20CST	
Pressure range	0~0.7MPa(0~100psi)	
Proof pressure	1.05MPa(150psi)	
Material body	Nylon 66	
Seal material	VITON	
Min. activating time sec	0.05 sec and below	

Specification of coil

Valve type	Power type	Frequency (Hz)	Voltage range	Electrical entry	Power Consumption (VA/W)	Insulation	Temp. rise(℃)
2P025	AC	50	±15%	Terminal Gromment	7.0VA	Class B	35
		60					
	DC	–	±10%		7.0W		45

Ordering code

2P 025 08 A G

- **Model**: 2P:2 port 2 position solenoid valve(plastic steel type)
- **Orifice size**: 025:Φ2.5mm
- **Port size**: 06:G1/8; 08:G1/4
- **Thread type**: G:G
- **Voltage**: A:AC220V; B:DC24V; C:AC110V; E:AC24V; F:DC12V

Dimensions