

Fluid control valve(2/2way)

AirTAC

2V Series



2V



Symbol



Product feature

2V025 series

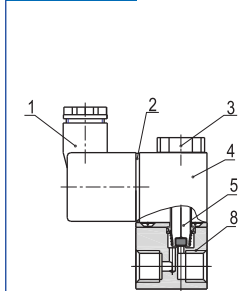
1. Direct acting and normally closed type 2/2 way solenoid valve. Its high sensibility allows it to change direction quickly.
2. The structure is small and compact.
3. The valve body is made of brass which is heat resistance and the coil conforms to Class B classification. The seals are made of fluorine rubber (VITON) which is suitable for several types of working medium.

2V130 and 250 series

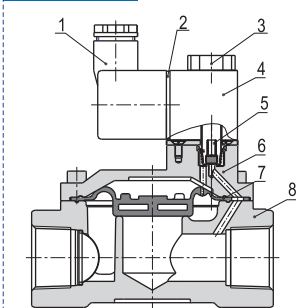
1. This 2/2 way diaphragm piloted solenoid valve has low energy consumption and large air flow .
2. The starting pressure is low and the operational differential pressure is < 0.05MPa.
3. The valve body is made of brass which is heat resistance and the coil conforms to Class B classification . The seals 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		Internally piloted acting			
Type	Normally closed					
Orifice size(Φ mm)	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	AC	50	± 15%	Terminal Gromment	7.0VA	Class B	35
2V130	DC	60	± 10%		7.0W		45

Ordering code

2V 025 08 A ☐ ☐							
Model		Thread type		Orifice size		Electrical entry	
2V: 2 port 2 position solenoid valve		Blank: PT T: NPT G: G		025: Φ 2.5mm 130: Φ 13mm 250: Φ 25mm		Blank: Terminal I: Gromment	
Port size		Voltage		Orifice size		Port size	
Φ 2.5mm		A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V		06: 1/8"		Φ 13mm	
Φ 13mm				08: 1/4"		Φ 25mm	
				10: 3/8"			
				15: 1/2"			
				20: 3/4"			
				25: 1"			

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 inflamable 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.

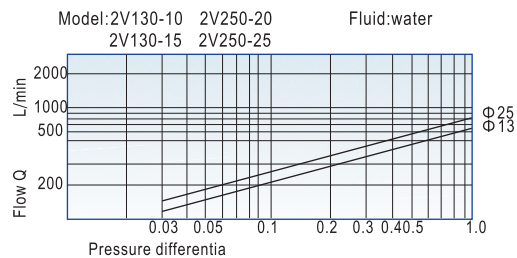
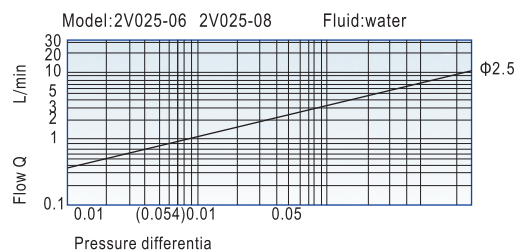
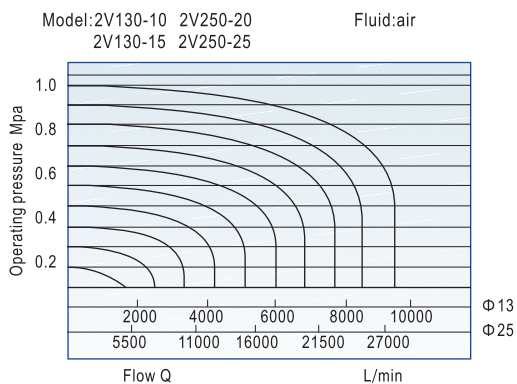
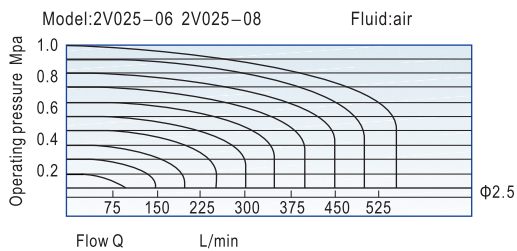


Fluid control valve(2/2way)



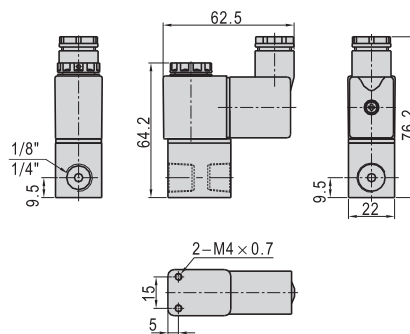
2V Series

Flow chart

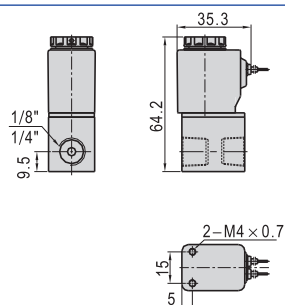


Dimensions

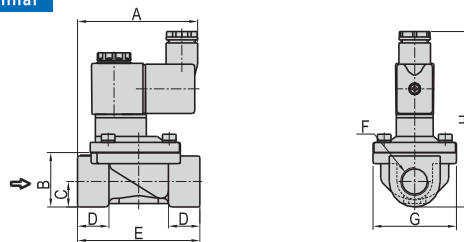
2V025 Terminal



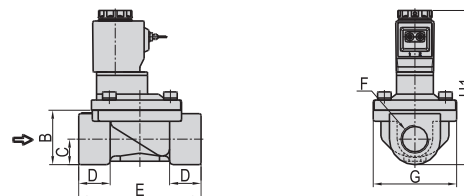
2V025 Grommet



2V130, 250 Terminal



2V130, 250 Grommet



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



2V



Fluid control valve(2/2way)

AirTAC

2P Series



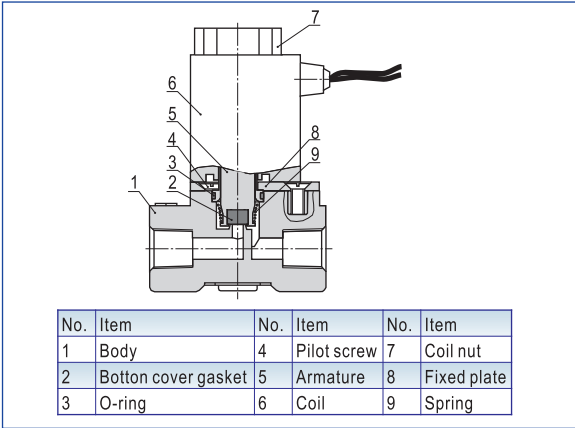
Symbol



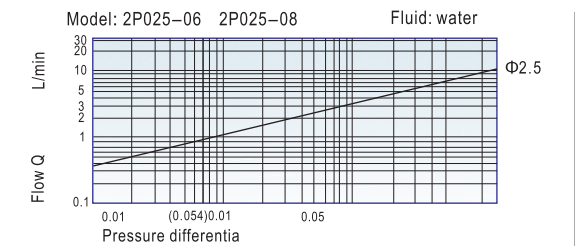
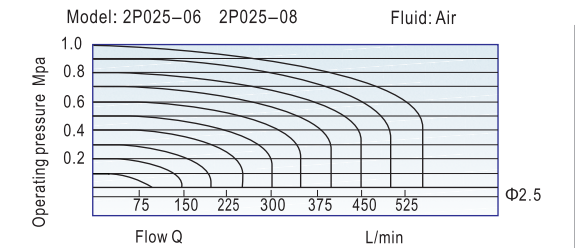
Product feature

1. Direct acting and normally closed type 2/2 way solenoid valve. Its high sensibility allows it to change direction quickly.
2. Its compact size is small and light weight. It is easy to install and dismantle.
3. The valve body is made of Nylon 66. Its coil has a Heat resistance classification of Class B. The seals are made of Viton which is suitable for different types of fluid.
4. The protection class of the coil is IP65, and the electrical entry is grommet.

Inner structure



Flow chart



Specification

Model	2P025-06	2P025-08
Fluid	Air, Water, Oil	
Acting	Direct acting	
Type	Normally closed	
Orifice size(Φ mm)	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(°C)
2P025	AC	50	± 15 %	Terminal Grommet	7.0VA	Class B	35
		60					
	DC	—	± 10 %		7.0W		45

Ordering code

2P 025 08 A G	
Model	Thread type
2P:2 port 2 position solenoid valve(plastic steel type)	G:G
Orifice size	Voltage
025:Φ 2.5mm	A:AC220V
Port size	B:DC24V
06:G1/8	C:AC110V
08:G1/4	E:AC24V
	F:DC12V

Dimensions

