



Specifications

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(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	PT1/8	PT1/4	PT3/8	PT1/2	PT3/4	PT1
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, G thread and NPT thread are available.

Symbol



Product feature

2V025 series

1. Direct acting and normally closed type 2/2 way solenoid valve. Its high sensitivity 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.

Specification of coil

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

Usable fluid

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

Seal material\Fluid	JIS# 1 Oil	JIS# 3 Oil	Vegetable Oil	Inorganic Oil	Start Oil	Silicage Oil	CO ₂	Argon
NBR	◎	○	◎	◎	○	◎	◎	◎

1. Note: ◎ = Excellent (nearly without affect). ○ = Good (workable though some affect).

△ = Poor (large affect).

2. Note: "*" means inflammable and explosive dangerous fluid. Please use the relative explosion proof coil.

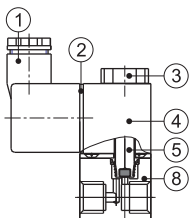
3. Note: Please consult the technical department before using fluid that has not been shown in the above table.

Ordering code

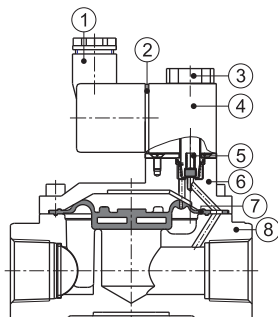
2V Model		025 Orifice size		08 Port size		A Voltage		□ Electrical entry		□ Thread type	
2V	2 port 2 position solenoid valve	025	Φ2.5mm	Orifice size	Port size	A	AC220V	Blank	Terminal	Blank	PT
		130	Φ13mm	Φ2.5mm	06: G1/8"	B	DC24V	I	Grommet	G	G
		250	Φ25mm	Φ13mm	08: G1/4"	C	AC110V			T	NPT
				Φ25mm	10: G3/8"	E	AC24V				
					15: G1/2"	F	DC12V				
					20: G3/4"						
					25: G1"						

Inner structure

2V025 Terminal

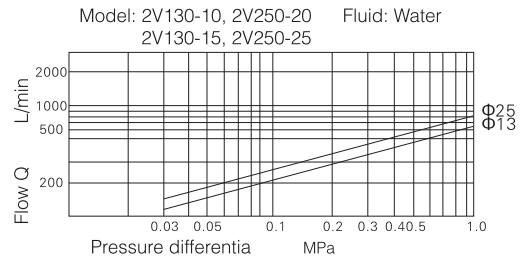
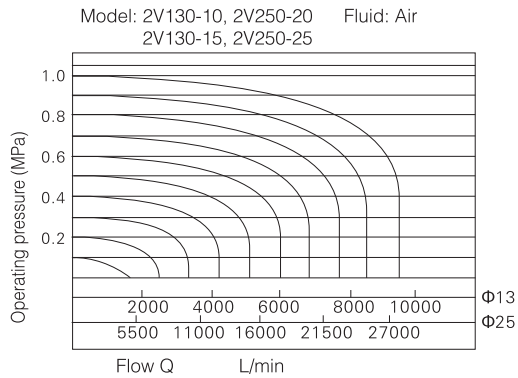
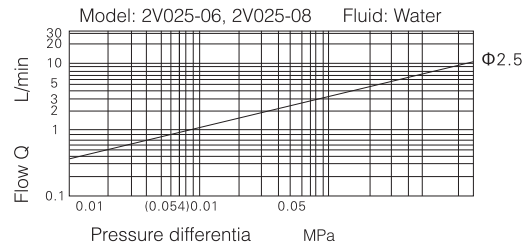
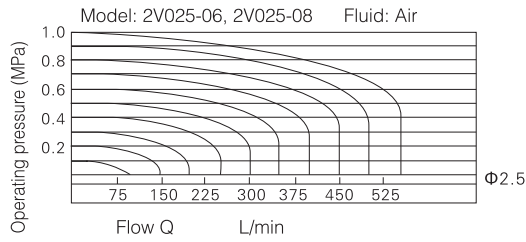


2V250 Terminal



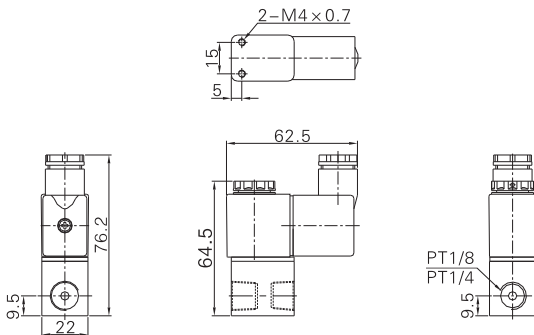
No.	Item	No.	Item
1	Connector	5	Armature assembly
2	Connector gasket	6	Body cover
3	Nut	7	Diaphragm
4	Coil	8	Body

Flow chart

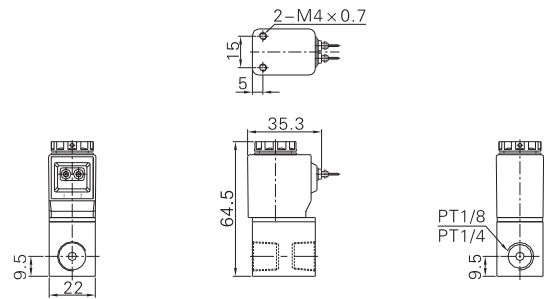


Dimensions

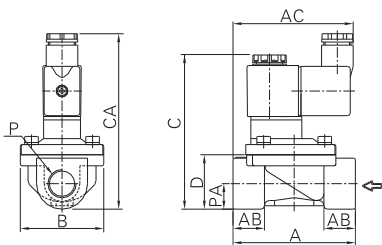
2V025 Terminal



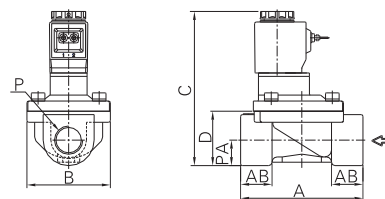
2V025 Grommet



2V130\250 Terminal



2V130\250 Grommet



Model\Item	A	AB	AC	B	C	CA	D	P	PA
2V130-10	72	18.5	71	49	91	103	32	PT3/8	15
2V130-15	72	18.5	71	49	91	103	32	PT1/2	15
2V250-20	102	23	74	77.5	107.5	120	45	PT3/4	21
2V250-25	102	23	74	77.5	107.5	120	45	PT1	21