



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

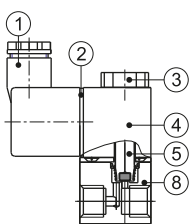
1. This 2/2 way diaphragm piloted solenoid valve has low energy consumption and large air flow.
2. The starting pressure is low and the operational differential pressure is < 0.05MPa.
3. The valve body is made of brass which is heat resistance and the coil conforms to Class B classification. The seals are made of NBR.

Ordering code

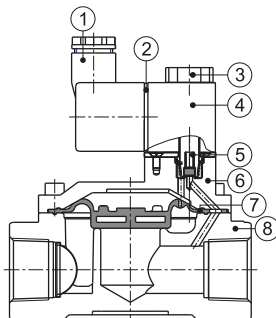
2V		025		08		A						
Model		Orifice size		Port size		Voltage		Electrical entry		Thread type		
2V	2 port 2 position solenoid valve	025	Φ2.5mm	Φ2.5mm	06: 1/8"	A	AC220V	Blank	Terminal	Blank	PT	
		130	Φ13mm		08: 1/4"	B	DC24V					I
		250	Φ25mm	Φ13mm	10: 3/8"	C	AC110V	T	NPT			
				15: 1/2"	E	AC24V						
			Φ25mm	20: 3/4"	F	DC12V						
				25: 1"								

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

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	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, G thread and NPT thread are available.

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	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	Silicage Oil	CO ₂	Argon
NBR	◎	○	◎	◎	○	◎	◎	◎

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

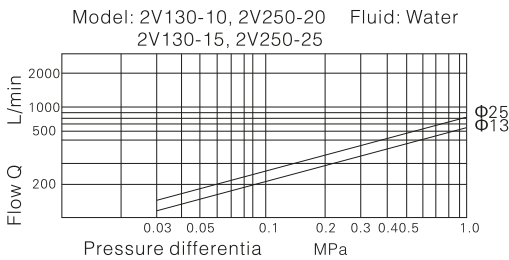
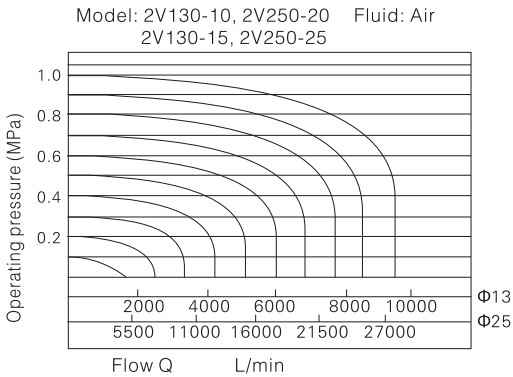
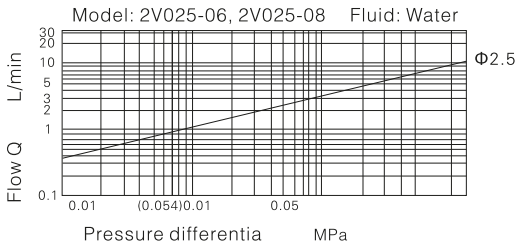
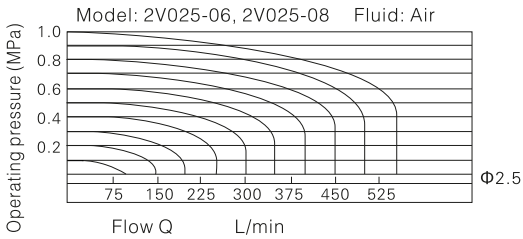
Valve

2P
2V
2W
2W(Big)
2WB
2WBF
US(2L)
DG223
DG523
0927/0955
PU220
PU225
VX
QX
PT
Q24J _H
K23J _H
K25J _H
K25J _H
K23JD
K25JD
K25JK
PV100
PV200
PV300
PV400
PV500
PV700
PV800
PV1527
PVN
MV100
MV200
NAA
GT
K
R
FAL
FP-M
NTP
SX

Valve

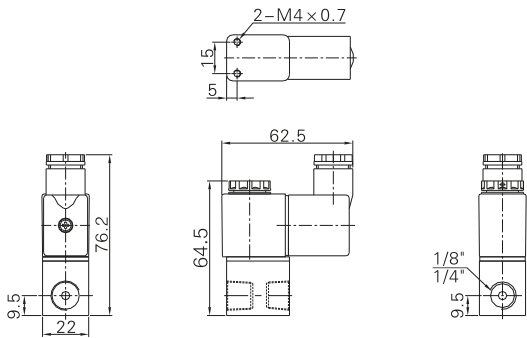
2V

Flow chart

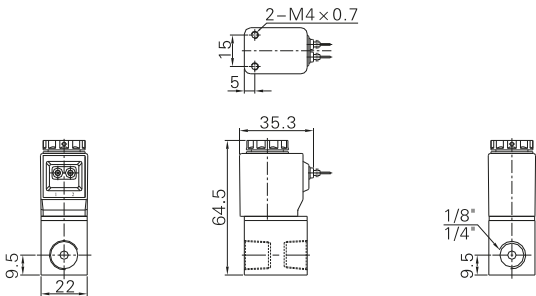


Dimensions

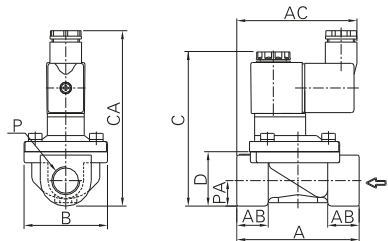
2V025 Terminal



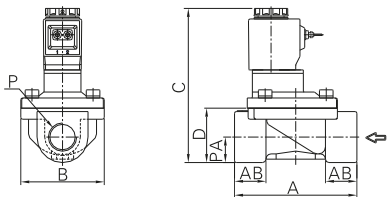
2V025 Grommet



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	3/8"	15
2V130-15	72	18.5	71	49	91	103	32	1/2"	15
2V250-20	102	23	74	77.5	107.5	120	45	3/4"	21
2V250-25	102	23	74	77.5	107.5	120	45	1"	21