

Fluid control valve(2/2way)

2KW Series (Internally piloted and normally opened)



Symbol



Product feature

- 1、 2/2 way internally piloted and normally opened type solenoid valve can quickly change the direction and has large volume.
- 2、 It has tight structure, small size and light weight. It is easy to be installed and dismantled.
- 3、 The valve body is made of brass. The temperature classification of coil is B. The standard's material is FPM-F, please contact us if other material needed.
- 4、 The levels of protection of the coil are IP65 and the electrical entry includes grommet and terminal.

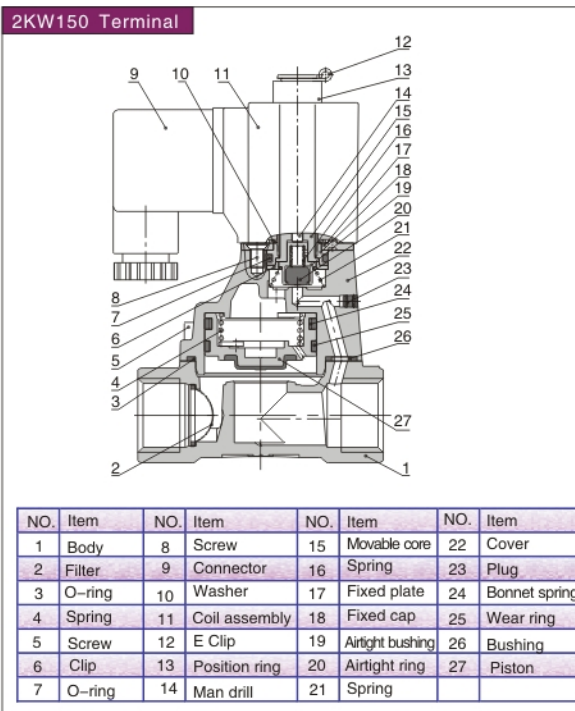
Valve's specification

Acting	Internal piloted				
Initial status	Normally opened				
Adaptable fluid:①	Air、 Water、 Oil				
Viscosity limit	Under 20 CST				
Ambient and fluid temperature (°C)	MAX.	Water 80	Air 90	Oil 80	Ambient 70
	Min.	1	-20 ②	-10 ③	-20

① Note: Please refer to PI-79 for detail of other's fluid;

② Note: Dew point:-20 (°C) or less; ③ Note: 50CST or less.

Inner structure



Specification

Type/Item	Port size ①	Orifice size (φ mm)	Cv	Valid Area of section(mm²)	weight ② (g)	Operating Pressure differential		Proof pressure	
						MPa	psi	MPa	psi
2KW150-15	1/2"	15.0	5.50	100.0	730	Max: 0.7 Min: 0.05	Max: 100 Min: 10	1.5	220
2KW200-20	3/4"	20.0	9.50	170.0	960				
2KW250-25	1"	25.0	12.50	220.0	1210				

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

② The weight in the table is the terminal valve's weight, grommet valve's weight is 10g less than terminal's.

Specification of coil

Valve type	Coil type	Power	Frequency (Hz)	Voltage range	Electrical entry	Power consumption	Insulation	Temp rise(°C)
2KW150	CDA116	AC	50	± 15%	Terminal (CDA) Grommet (CLA)	15.0VA	Class B	50
2KW200	CLA116		60			11.0VA		40
2KW250		DC	-	± 10%		6.5W		30

Ordering code

2KW		150	—	15	—	A	—	□	—	P
Model		Orifice size		Port size		Voltage		Electrical entry		
2KW: 2/2 Way internally piloted and Normally opened		150: φ 15mm 200: φ 20mm 250: φ 25mm		15: 1/2" 20: 3/4" 25: 1"		A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V		Blank: Terminal I: Grommet		
								Thread type		
								P: PT T: NPT G: G		

Ordering code of accessories

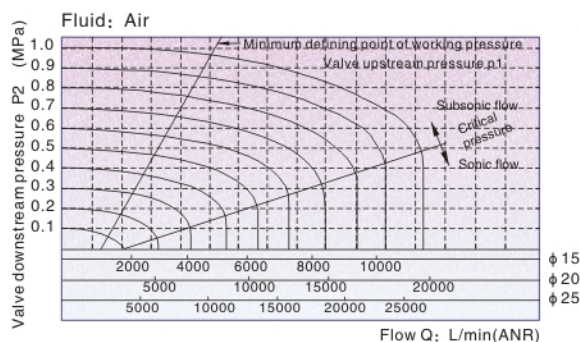
Ordering code of accessories is the same as that of normally closed valve. Please refer to PI-56 for detailed information.

Fluid control valve(2/2way)

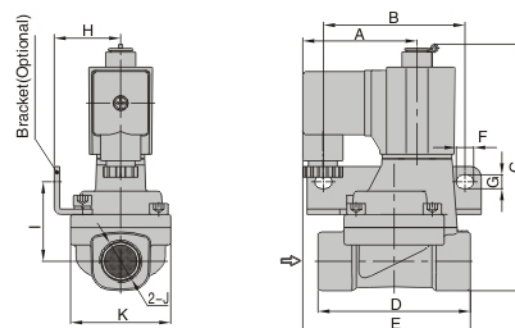
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Flow Chart

Dimensions

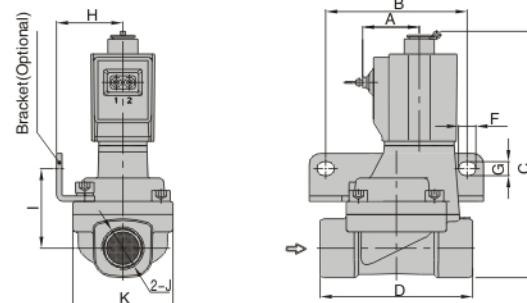


Terminal



Type/Item	A	B	C	D	E	F	G	H	I	J	K
2KW150-15	52.5	65	112.3	70	77	8	6.4	30.5	36.5	1/2"	46
2KW200-20	52.5	75	120.8	82	78.5	8	6.4	34	40	3/4"	53
2KW250-25	52.5	80	129.3	92	81	8	6.4	36	44.5	1"	59

Grommet



Type/Item	A	B	C	D	F	G	H	I	J	K
2KW150-15	26	65	112.3	70	8	6.4	30.5	36.5	1/2"	46
2KW200-20	26	75	120.8	82	8	6.4	34	40	3/4"	53
2KW250-25	26	80	129.3	92	8	6.4	36	44.5	1"	59