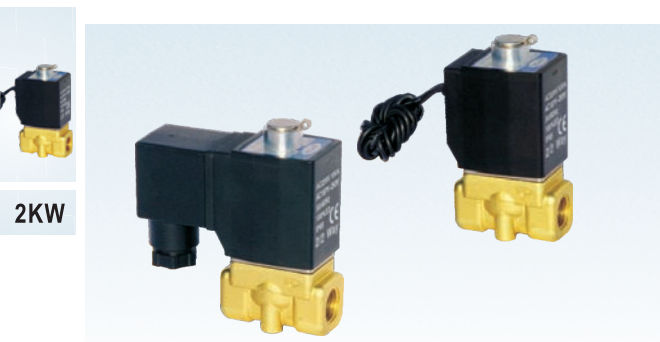


Fluid control valve(2/2 way)

2KW Series (Direct-acting and normally opened)



Symbol



Product feature

1. Direct acting and normally opened type 2/2 way solenoid valve. Its high sensibility allows it to change direction quickly;
2. It has wide pressure range, including extra high pressure (X), high pressure (H), standard and large volume(L) to choose from;
3. It is compact, small size and light weight. It is easy to install and dismantle.
4. The valve body is made of brass. Its coil has a Heat resistance classification of Class B. The standard seal material is FPM-F. Please contact us if other material are required.
5. The protection class of the coil is IP65 and there is a choice for grommet or terminal electrical entry.

Valve's specification

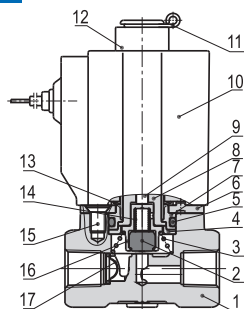
Acting	Direct acting			
Initial stats	Normally opened			
Adaptable fluid ①	Air, Water, Oil			
Viscosity limit	Under 20CST			
Ambient and fluid temperature(°C)		Water	Air	Oil
		Ambient		
	Max.	80	90	80
	Min.	1	-20 ②	-10 ③
				-20

① Note: Please refer to P121 for detail of other's fluid.

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

Inner structure

2KW030(Grommet)



No.	Item	No.	Item	No.	Item
1	Body	7	Fixed cap	13	Washer
2	Airtight ring	8	Electromagnet	14	Spring
3	Spring	9	Man drill	15	Screw
4	Bead flange	10	Coil assembly	16	Airtight bush
5	O-ring	11	E Clip	17	Filter
6	Fixed plate	12	Position ring		

Specification

Type\Item	Port size ①	Orifice size (Φ mm)	Cv	Valid area or section(mm²)	Weight ② (g)	Max. operating pressure differential		Proof pressure	
						MPa	psi	MPa	psi
2KWX030	-06 1/8"	1.5	0.10	1.8	315	2.0	300	3.0	450
	-08 1/4"				305				
2KWH030	-06 1/8"	2.0	0.18	3.0	315	1.5	220		
	-08 1/4"				305				
2KW030	-06 1/8"	3.0	0.33	6.0	315	0.7	100		
	-08 1/4"				305				
2KWL030	-06 1/8"	4.0	0.55	10.0	315	0.4	60		
	-08 1/4"				305				
2KWX050	-10 3/8"	3.0	0.34	6.1	635	2.0	300		
	-15 1/2"				615				
2KWH050	-10 3/8"	4.0	0.55	10.0	635	1.5	220		
	-15 1/2"				615				
2KW050	-10 3/8"	5.0	0.83	15.0	635	0.7	100		
	-15 1/2"				615				
2KWL050	-10 3/8"	7.0	1.40	25.0	635	0.4	60		
	-15 1/2"				615				

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

② The weight in the table is the terminal valve's weight, 2KW030 series grommet valve's weight is 10g less than terminal's. 2KW050 series grommet valve's weight is 20g less than terminal's.

Specification of coil

Valve type	Coil type	Power type	Frequency (Hz)	Voltage range	Electrical entry	Power Consumption (VA/W)	Insulation	Temp. rise(℃)
2KW□030	CDA116 CLA116	AC	50	± 15 %	Terminal (CDA)	15.0VA	Class B	50
			60			11.0VA		40
		DC	—	± 10 %		6.5W		30
2KW□050	CDA170 CLA170	AC	50	± 15 %	Grommet (CLA)	35.0VA		65
			60			30.0VA		60
		DC	—	± 10 %		10.5W		40

Ordering code

2KW H 030 08 A □ □									
Model			Thread type						
2KW: 2/2 way direct-acting and normally opened			Blank: PT						
			T: NPT						
			G: G						
Pressure condition			Electrical entry						
X: Extra high pressure			Blank: Terminal						
H: High pressure			I: Grommet						
Blank: Standard									
L: Large volume									
Size series			Voltage						
030: 030 Series			A: AC220V						
050: 050 Series			B: DC24V						
			C: AC110V						
			E: AC24V						
			F: DC12V						
Port size									
030 Series			06: 1/8"						
			08: 1/4"						
050 Series			10: 3/8"						
			15: 1/2"						

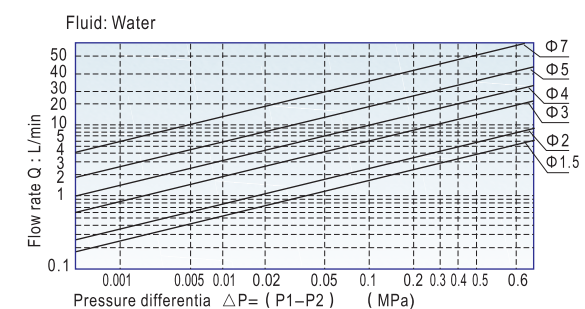
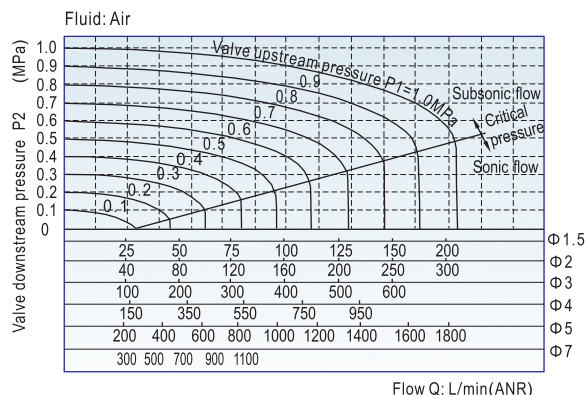
Ordering code of accessories

Ordering code of accessories is the same as 2S series valve's, Please refer to P96 for details of ordering code.

Fluid control valve(2/2 way)

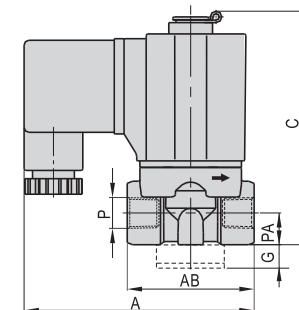
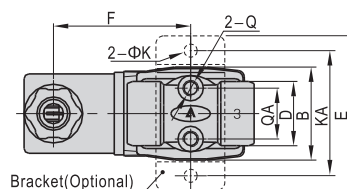
2KW Series (Direct-acting and normally opened)

Flow chart

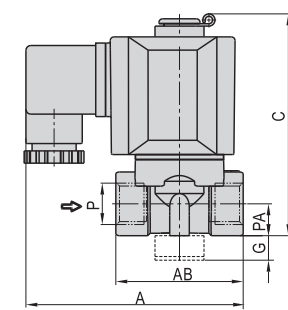
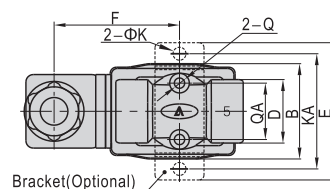


Dimensions

2KW□030(Terminal)

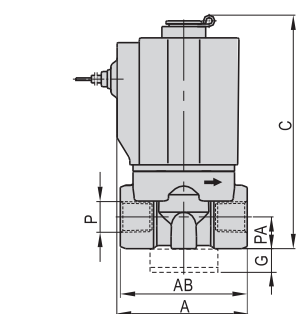
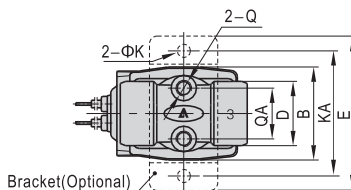


2KW□050(Terminal)

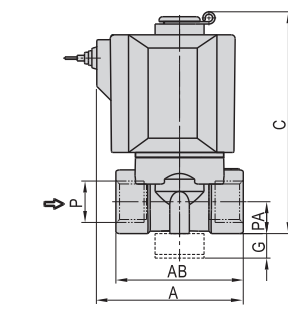
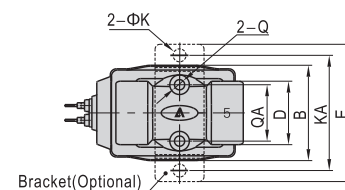


Type\Item	A	AB	B	C	D	E	F	G	K	KA	P	PA	Q	QA
2KW□030-06	72.5	40	29.3	76	20	49	43.5	10	5.3	40	1/8"	10	M5	16
2KW□030-08	72.5	40	29.3	76	20	49	43.5	10	5.3	40	1/4"	10	M5	16
2KW□050-10	89.5	52	39	92	26	56	51	10	5.3	48	3/8"	13	M5	23
2KW□050-15	89.5	52	39	92	26	56	51	10	5.3	48	1/2"	13	M5	23

2KW□030(Grommet)



2KW□050(Grommet)



Type\Item	A	AB	B	C	D	E	G	K	KA	PA	P	Q	QA
2KW□030-06	41	40	29.5	76	20	49	10	5.3	40	10	1/8"	M5	16
2KW□030-08	41	40	29.5	76	20	49	10	5.3	40	10	1/4"	M5	16
2KW□050-10	60	52	39	92	26	56	10	5.3	48	13	3/8"	M5	23
2KW□050-15	60	52	39	92	26	56	10	5.3	48	13	1/2"	M5	23



2KW