

Micro-solenoid valve(3/2 way)

CPV15 Series



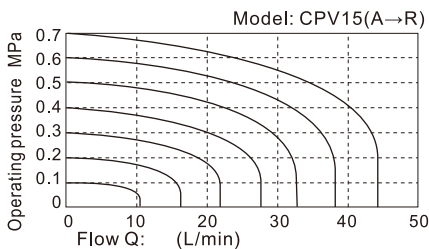
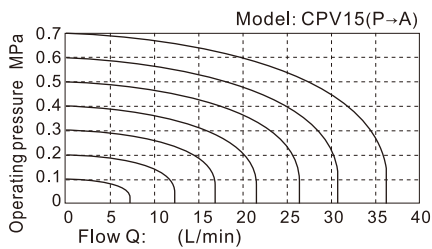
Symbol



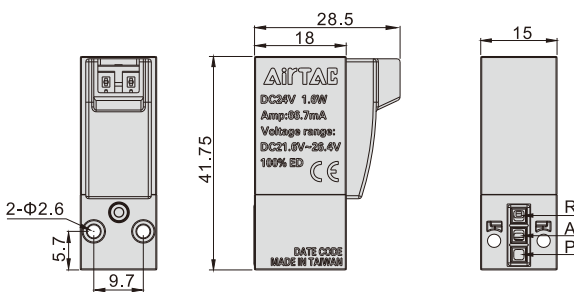
Product feature

1. None polarity design of DC circuit, the direction(vertical or horizontal) of wiring can be adjusted freely according to the installation demand.
2. Low starting voltage and long service life.
3. There is no buzzing by the usage of AC power supply .
4. With surge device can avoid the damage of solenoid valve by surge voltage.

Flow chart



Dimensions



Specification

Model	CPV15	
Fluid	Air(to be filtered by 40µm filter element)	
Acting	Direct acting	
Orifice size	Φ0.8mm	
Valid area or section	P→A: 0.44mm ² (Cv=0.024) ; A→P: 0.55mm ² (Cv=0.03)	
Valve type	3 port 2 position	
Weight	micro-solenoid valve	33.2g
	Wire	050: 4.6g 200: 21.4g
	Screw(2pcs)	1.45g
Operating pressure	0.15~0.8MPa(21~114psi)	
Proof pressure	1.2MPa(175psi)	
Temperature	-20~70°C	
Standard voltage	AC220V AC110V AC24V DC24V DC12V	
Scope of voltage	DC±10%: AC+15%~-10%	
Protection	Dustproof	
Temperature classification	F Class	
Power consumption	DC: 1.6W ; AC: 2.0VA	
Electrical entry	Terminal	
Activating time	on<10ms ; off<10ms	

Ordering code

Ordering code of valve's body

CPV 15 B P-050



① Model	② Width of body	③ Voltage	④ Code of manual override	⑤ Wire length [Note1]
CPV: CPV series micro-solenoid valve	15: 15mm	A: AC220V B: DC24V C: AC110V E: AC24V F: DC12V	P: With manual override	050: 0.5m 200: 2.0m

[Note1] Attach the two M2.5 screws.

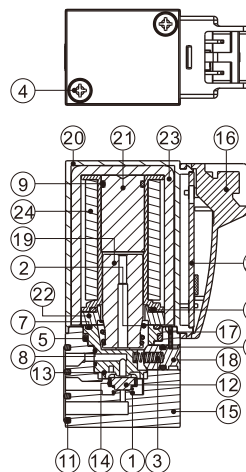
Ordering code of wire

CPV T 050



① Model	② Wire	③ Wire length
CPV: CPV series micro-solenoid valve	T: Wire	050: 0.5m 200: 2.0m

Inner structure



No.	Item	Material	No.	Item	Material
1	Spring	Stainless steel	14	Mandril	Resin
2	Spring	Stainless steel	15	Body	Resin
3	Spring	Stainless steel	16	Connector shell	Resin
4	Screw	Carbon steel	17	Manual pin plate	Stainless steel
5	O-ring	NBR	18	Manual pin	Brass
6	O-ring	NBR	19	Armature	Stainless steel
7	O-ring	NBR	20	Cover	Resin
8	O-ring	NBR	21	Electromagnet	Stainless steel
9	O-ring	NBR	22	Plate	Carbon steel
10	O-ring	NBR	23	U shape bracket	Carbon steel
11	Gasket	NBR	24	Coil	
12	Gasket	NBR	25	PCB assembly	
13	Crater	Resin			

Installation and Application

1. Valve body installation:
Use two M2.5 X 19 screws to mount the valve by 0.4~0.45N.m.
2. Wiring instruction:
Vertical and horizontal insertion share the same terminal port for different practical applications.
Note: There is no polarity for terminal wire.
3. AC coil is forbidden to connect with other devices.

