CPV10 Series



CPV10

Air(to be filtered by 40 µ m filter element)

Direct acting

Ф0.55mm

P to A:0.25mm²(Cv=0.014); A to R:0.35mm²(Cv=0.02)

3 /2 way

15q

0.46g 0~0.8MPa(0~114psi)

1.2MPa(175psi)

-20~70**℃**

AC220V AC110V DC24V DC12V DC±10%; AC+15%~-10%

Dustproof

F Class

DC: 0.9W; AC: 1.5VA

Terminal

on<7ms; off<7ms

200: 21.4g

050: 4.6g



Symbol

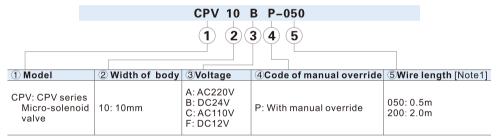


Product feature

- 1. With anti-surge component can avoid the damage of solenoid valve.
- 2. Multi-direction installation and polarless circuit design.
- 3. AC voltage models possess a built-in full wave rectifier circuit to reduce the noise effectively.
- 4. Various of standard voltages: AC220V, AC110V, DC24V, DC12V.
- 5. Low starting voltage and long service life.
- 6. Equipped with a push-turn locking manual override for adjustment and troubleshooting.

Ordering code

Ordering code of valve



Specification

Nominal diameter

Operating pressure

Proof pressure

Standard voltage

Scope of voltage Protection

Power consumption

Electrical entry

Activating time

Temperature classification

Temperature

micro-solenoid valve

Terminal line

Screw(2pcs)

Effective area

Valve type

Weight

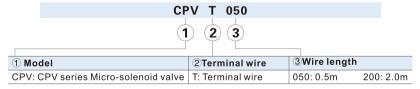
Model

Fluid

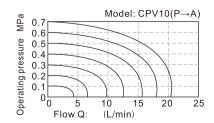
Acting

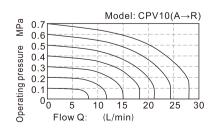
[Note1] Contain two M1.6 screws.

Ordering code of terminal wire



Flow chart



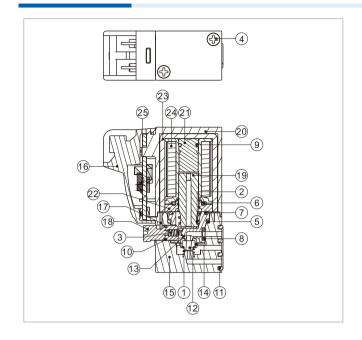






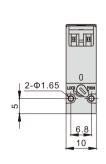
CPV10 Series

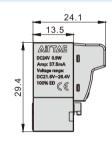
Inner structure

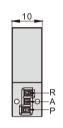


No.	Item	Material	No.	Item	Material
1	Spring	Stainless steel	14	mandril	Resin
2	Spring	Stainless steel	15	Body	Resin
3	Spring	Stainless steel	16	Connector shell	Resin
4	Screw	Carbon steel	17	Manual pin plate	Stainless steel
5	O-ring	NBR	18	Manual pin	Brass
6	O-ring	NBR	19	Movable core	Stainless steel
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			

Dimensions







Installation and Application

- 1. Micro-solenoid valve assembly: Fastened with torque of 0.1~0.15N.m by two M1.6X14L screws.
- 2. Wiring instruction: Multi-direction installation and polar less circuit design. Note: The terminal wire is non-polarity.
- 3. Prevent to connect AC coils in series with other devices.









CPV10 Series —— Manifold





Specification

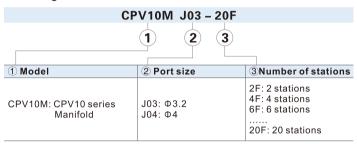
Model	CPV10MJ□□2F	CPV10	MJ□□3F		CPV10MJ□□20F		
Fluid	Air(to be filtered by 40 μ m filter element)						
Temperature	-20~70℃						
Port size	P/R: M5 A: Φ3.2 / Φ4(Push in fittings)						
Applicable valves	CPV10 series micro-solenoid valve						

Product feature

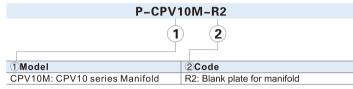
- 1. Integrated installation saves space and reduces additional accessories.
- 2. Centralized air intake, exhaust, and wiring for quick air circuit checking.
- 3. Fixible combination and expandability for various applications. Blank plates are optional.

Ordering code

Ordering code of manifold



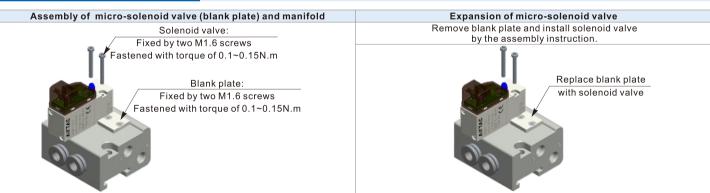
Ordering code of blank plate

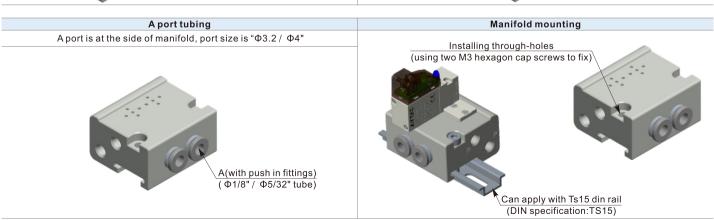


[Note] Blank plate kits contains blank plate, gasket and screws.



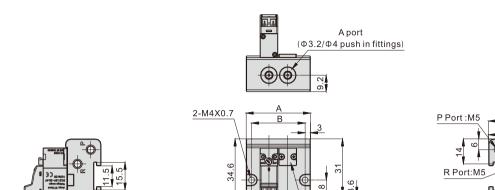
Installation and Application

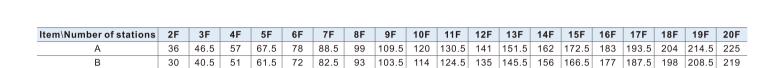






Dimensions





Blank