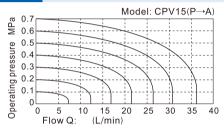
CPV15 Series

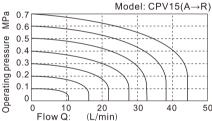


Product feature PR

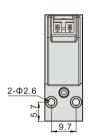
- None polarity design of DC circuit, the direction(vertical or horizontal) of wiring can be adjusted freely according to the installation demand.
- 2. Low starting voltage and long service life.
- 3. There is no buzzing by the usage of AC power supply.
- With surge device can avoid the damage of solenoid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

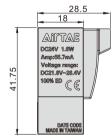
Flow chart

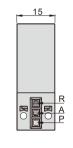




Dimensions







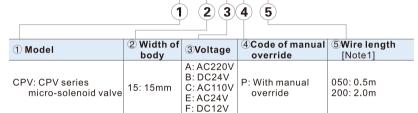
Specification

Model		CPV15						
Fluid		Air(to be filtered by 40 μ m filter element)						
Acting		Direct acting						
Orifice size		Φ0.8mm						
Valid ar	ea or section	$P \rightarrow A: 0.44 \text{mm}^2(\text{Cv} = 0.024); A \rightarrow P: 0.55 \text{mm}^2(\text{Cv} = 0.03)$						
Valve ty	/pe	3 port 2 position						
	micro-solenoid valve	33.2g						
Weight	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℃						
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						
Activati	ing time	on<10ms; off<10ms						

Ordering code

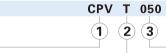
Ordering code of valve's body

CPV 15 B P-050



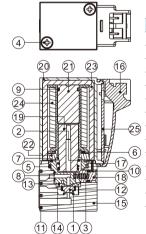
[Note1] Attach the two M2.5 screws.

Ordering code of wire



1 Model	2Wire		3Wire lengtl	า
CPV: CPV series	T: Wire	(050: 0.5m	300: 3.0m
micro-solenoid valve	i. wire	2	200: 2.0m	500: 5.0m

Inner structure



No.	Item	Material	No.	Item	Material
				110111	
_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			

Installation and Application

1. Valve body installation:

Use two M2.5 X 19 screws to mount the valve by 0.4~0.45N.

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.





Vertically insert (Wire and body is vertical)



Horizontally insert (Wire and body is horizontal)



CPV15 Series —— Manifold





Specification

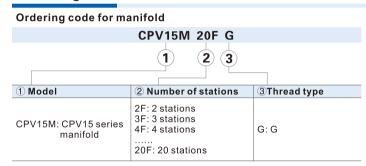
Model		CPV15M2F	CPV15M3F	CPV15M4F		CPV15M20F						
Fluid		Air(to be filtered by 40 μ m filter element)										
Tempe	rature		-20~70℃									
Port	P/R ports		1/8"[Note1]									
size	A port		Φ4mm(Push in fittings)									
Applicable valves		CPV15 series micro-solenoid valve										

[Note1] G thread is available.

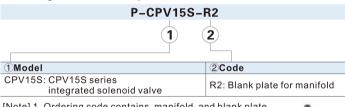
Product feature

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

Ordering code



Ordering code for blank plate



- [Note] 1. Ordering code contains manifold and blank plate.
 - 2. Maximum station up to 20 stations.
 - 3. Blank plate kits contain blank plate, gasket and screw.



Installation and Application

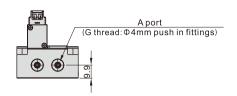
Assembly of micro-solenoid valve (blank plate) and manifold	Expansion of micro-solenoid valve
Mount micro-solenoid valve and manifold by two M2.5 screws as following . Mount blank plate and manifold by two M2.5 countersunk screws as following .	Remove blank plate and install solenoid valve by the assembly instruction
Solenoid valve: Fixed by two M2.5 screws Manifold: Fixed by two M2.5 screws	replace blank plate with solenoid valve

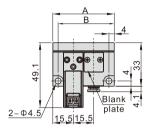
A port tubing	Manifold mounting
A port is at the side of manifold with push in fittings	Both sides of manifold attach two installing through-holes, using two M4 hexagon cap screws to fix.
A(with push in fittings) (G thread: Φ4mm tube)	Installing through-holes (using two M4 hexagon cap screws to fix)

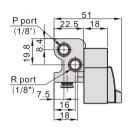




Dimensions







Item\Number of stations	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F	17F	18F	19F	20F
A	46.5	62	77.5	93	108.5	124	139.5	155	170.5	186	201.5	217	232.5	248	263.5	279	294.5	310	325.5
В	38.5	54	69.5	85	100.5	116	131.5	147	162.5	178	193.5	209	224.5	240	255.5	271	286.5	302	317.5