

CPV10S Series



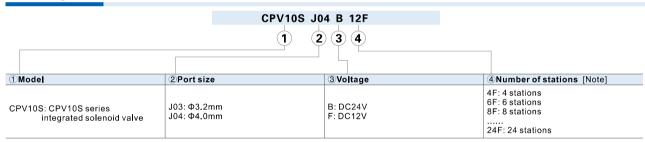
Specification

Model		CPV10SB	CPV10SF					
	Fluid	Air(to be filtered by 40 μ m filter element)						
	Acting	Direct acting						
	Number of stations	4~24 s	stations					
Integrated	Electrical entry	Terminal, 25pin D-Sub						
solenoid valve	Port size	P/R: M5 A: Φ3.2/ Φ4(Push in fittings						
	The type of Inlet and exhaust	Centralized inlet and exhaust						
	Operating pressure	0~0.8MPa(0~114psi)						
	Proof pressure	1.2MPa(175psi)						
	Temperature	-20~70℃						
	Protection	Dustproof						
	Standard voltage	DC24V	DC12V					
Coil	Scope of voltage	DC±10%						
	Temperature classification	F C	lass					
	Power consumption	DC: 0.7W						

Product feature

- 1. Integrated installation of air inlet/exhaust and power socket(25pin D-Sub) to save space and reduce additional accessories.
- 2. Equipped with manual override for adjustment and troubleshooting.
- 3. Low starting voltage and long service life.

Ordering code

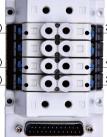


[Note] About stations as follow:

23F: The 12th mini solenoid valve on the left(12A)

3F: The second mini solenoid valve on the left(2A)

1F: The first mini solenoid valve on the left(1A)



24F: The 12th mini solenoid valve on the right(12B)

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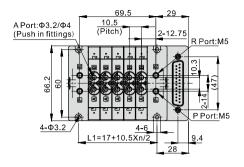
4F: The second mini solenoid valve on the right(2B)

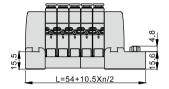
2F: The first mini solenoid valve on the right(1B)

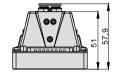


CPV10S Series

Dimensions



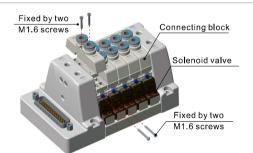




Item\Number of stations	4F	6F	8F	10F	12F	14F	16F	18F	20F	22F	24F
L	75	85.5	96	106.5	117	127.5	138	148.5	159	169.5	180
L1	38	48.5	59	69.5	80	90.5	101	111.5	122	132.5	143

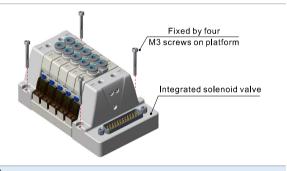
Installation and Application

Assembly of connecting block and micro-solenoid valve Mount micro-solenoid valve and connecting block with torque of 0.1~0.15N.m by two M1.6 screws as following.

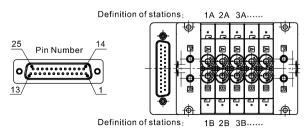


Mounting of integrated solenoid valve

Mount integrated solenoid valve by four M3 screws on platform as following.



Pin Assignment



Note: Gauge number of cable connecting to D-Sub pin No.13(COM) must be ≤22AWG

Pin	Pol	arity	Control	Pin	Pol	arity	Control
NO.	-COM	+COM	target	NO.	-COM	+COM	target
1	(+)	(-)	1A	14	(+)	(-)	1B
2	(+)	(-)	2A	15	(+)	(-)	2B
3	(+)	(-)	3A	16	(+)	(-)	3B
4	(+)	(-)	4A	17	(+)	(-)	4B
5	(+)	(-)	5A	18	(+)	(-)	5B
6	(+)	(-)	6A	19	(+)	(-)	6B
7	(+)	(-)	7A	20	(+)	(-)	7B
8	(+)	(-)	8A	21	(+)	(-)	8B
9	(+)	(-)	9A	22	(+)	(-)	9B
10	(+)	(-)	10A	23	(+)	(-)	10B
11	(+)	(-)	11A	24	(+)	(-)	11B
12	(+)	(-)	12A	25	(+)	(-)	12B
13	(-)	(+)	COM				





CPV10

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

Direct acting

Φ0.55mm P to A:0.25mm²(Cv=0.014); A to R:0.35mm²(Cv=0.02)

3 /2 way

15g

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

1.2MPa(175psi)

-20~70°C

AC220V AC110V DC24V DC12V

DC±10%; AC+15%~-10%

Dustproof

F Class

DC: 0.7W; AC: 1.5VA

Terminal

on<7ms: off<7ms

200: 21.4g

050: 4.6g

CPV10 Series



Symbol

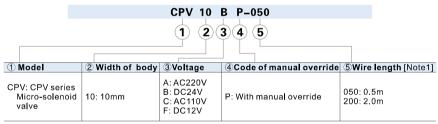


Product feature

- 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

Model Fluid

Acting Nominal diameter

Weight

Effective area Valve type

Operating pressure

Proof pressure

Standard voltage

Scope of voltage

Power consumption

Electrical entry

Activating time

Temperature classification

Temperature

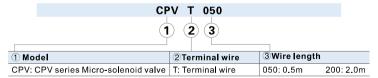
Protection

micro-solenoid valve

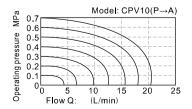
Terminal wire Screw(2pcs)

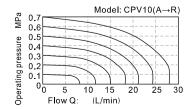
[Note1] Contain two M1.6 screws.

Ordering code of terminal wire



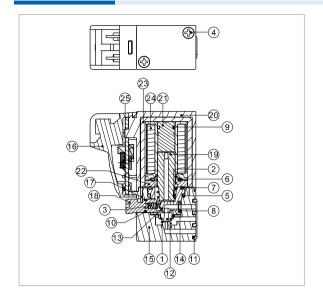
Flow chart





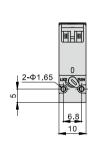


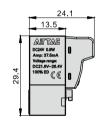
Inner structure

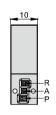


No.	Item	Material	No.	Item	Material
1	Spring	Stainless steel	14	Mandril	Resin
2	Spring	Stainless steel	15	Body	Resin
3	Spring	Stainless steel	16	Connector shell	Resin
4	Screw	Carbon steel	17	Manual pin plate	Stainless steel
5	O-ring	NBR	18	Manual pin	Brass
6	O-ring	NBR	19	Armature	Stainless steel
7	O-ring	NBR	20	Cover	Resin
8	O-ring	Gasket	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.









(Wire is parallel to valve)





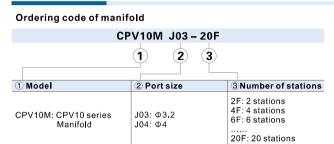
Specification

Model	CPV10MJ□□2F	CPV10	MJ□□3F		CPV10MJ□□20F				
Fluid	Air	(to be f	nent)						
Temperature	-20~70℃								
Port size	P/	ngs)							
Applicable valves		series mic	ro-solenoid val	ve					

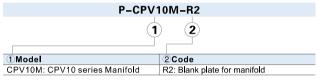
Product feature

- 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



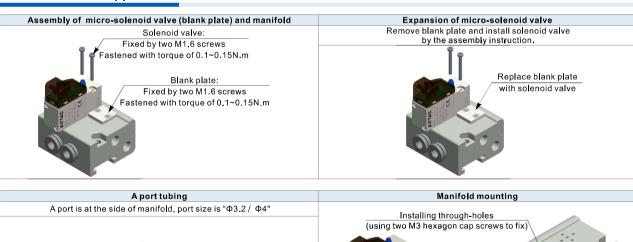
Ordering code of blank plate

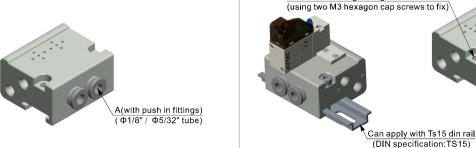


[Note] Blank plate kits contains blank plate, gasket and screws.



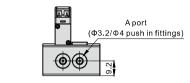
Installation and Application



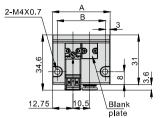


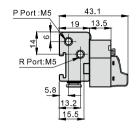


Dimensions









Item\Number of stations	2F	3F	4F	5F	6F	7F	8F	9F	10F	11F	12F	13F	14F	15F	16F	17F	18F	19F	20F
A	36	46.5	57	67.5	78	88.5	99	109.5	120	130.5	141	151.5	162	172.5	183	193.5	204	214.5	225
В	30	40.5	51	61.5	72	82.5	93	103.5	114	124.5	135	145.5	156	166.5	177	187.5	198	208.5	219