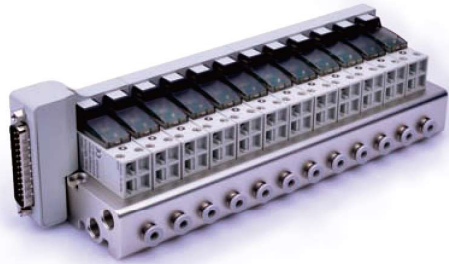


Integrated solenoid valve (3/2 way)

CPV15S Series



Product feature

1. Integrated installation centralizes air intake, exhaust and power(25pin D-Sub)to save space and reduce additional accessories.
2. Flexible combination and expandability for various applications. Blank plates are optional.
3. Equipped with manual override for quick air circuit checking.
4. Low starting voltage and long service life.

Specification

Model		CPV15SB	CPV15SF	
Integrated solenoid valve	Fluid	Air(to be filtered by 40µm filter element)		
	Acting	Direct acting		
	Number of stations	2 stations ~20 stations, only available in even stations		
	Electrical entry	Terminal, 25pin D-Sub		
	Port size	P/R ports		1/8" [Note1]
		A Port	PT thread	Φ4mm(Push in fittings)
			G thread	Φ4mm(Push in fittings)
			NPT thread	Φ5/32"(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°C			
Coil	Protection	Dustproof		
	Standard voltage	DC24V	DC12V	
	Scope of voltage	DC±10%		
	Temperature classification	F Class		
	Power consumption	DC: 1.6W		

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

CPV15S B 20F □



① Model	② Voltage	③ Number of stations	④ Thread type
CPV15S: CPV15S series integrated solenoid valve	B: DC24V F: DC12V	2F: 2 stations 3F: 3stations 4F: 4stations 20F: 20stations	Blank: PT G: G T: NPT

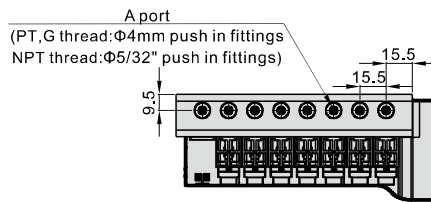
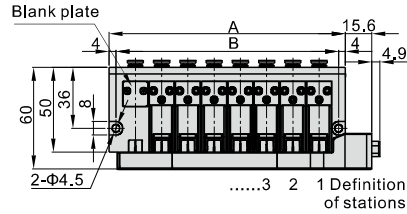
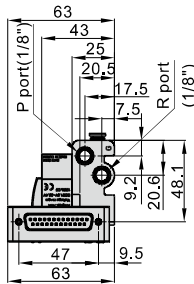
Installation and Application

Assembly of micro-solenoid valve (blank plate) and manifold	Expansion of micro-solenoid valve
<p>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 .</p> <p>Solenoid valve: Fixed by two M2.5 screws</p> <p>Blank plate: Fixed by two M2.5 screws</p>	<p>Remove blank plate and install solenoid valve by the assembly instruction.</p> <p>replace blank plate with solenoid valve</p>
A port tubing	Manifold mounting
<p>A port is at the side of manifold with push in fittings.</p> <p>A(with push in fittings) (PT, G thread: Φ4mm NPT thread: Φ5/32" tube)</p>	<p>Both sides of manifold attach two installing through-holes, using two M4 hexagon cap screws to fix.</p> <p>Installing through-holes (using two M4 hexagon cap screws to fix)</p>

Integrated solenoid valve (3/2 way)

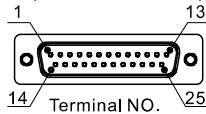
CPV15S Series

Dimensions



Item\Number of stations	2F	4F	6F	8F	10F	12F	14F	16F	18F	20F
A	46.5	77.5	108.5	139.5	170.5	201.5	232.5	263.5	294.5	325.5
B	38.5	69.5	100.5	131.5	162.5	193.5	224.5	255.5	286.5	317.5

Explain of connection pin



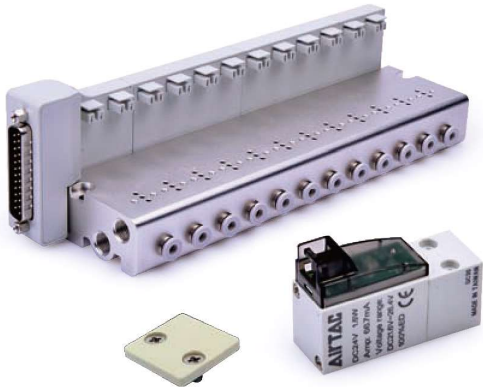
Terminal no.	Polarity		Control object	Terminal no.	Polarity		Control object
	-COM	+COM			-COM	+COM	
1	(+)	(-)	13 station	14	(+)	(-)	1 station
2	(+)	(-)	14 station	15	(+)	(-)	2 station
3	(+)	(-)	15 station	16	(+)	(-)	3 station
4	(+)	(-)	16 station	17	(+)	(-)	4 station
5	(+)	(-)	17 station	18	(+)	(-)	5 station
6	(+)	(-)	18 station	19	(+)	(-)	6 station
7	(+)	(-)	19 station	20	(+)	(-)	7 station
8	(+)	(-)	20 station	21	(+)	(-)	8 station
9		Void		22	(+)	(-)	9 station
10		Void		23	(+)	(-)	10 station
11		Void		24	(+)	(-)	11 station
12		Void		25	(+)	(-)	12 station
13	(-)	(+)	COM				

[Note] The D-sub cable of the corresponding Pin no. 13 (COM) must be ≤ 22 AWG.

Integrated solenoid valve (3/2 way)



CPV15S Series—Manifold, solenoid valve and blank plate



Specification

Model		CPV15S
Fluid		Air(to be filtered by 40μm filter element)
Number of stations		2 stations ~20 stations, only available in even stations
Electrical entry		Terminal, 25pin D-Sub
Port size	P/R ports	
	1/8" [Note1]	
	A Port	PT ththread Φ4mm(Push in fittings) G ththread Φ4mm(Push in fittings) NPT ththread Φ5/32"(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°C
Weight	Integrated valve of 2 stations	158.5g(not include CPV15 valve)
	Increase when add 2 stations	+97.65g
	Blank plate kits	0.65g

Product feature

1. Integrated installation centralizes air inlet, exhaust and power (25pin D-Sub)to save space and reduce additional accessories.
2. Flexible combination and expandability for various applications. Blank plates are optional.

[Note1] PT thread, G thread and NPT thread are available.

Ordering code

Ordering code for manifold

CPV15S 20F □

① Model	② Number of stations	③ Thread type
CPV15S: CPV15S series integrated solenoid valve	2F: 2 stations 4F: 4 stations 6F: 6 stations 20F: 20 stations	Blank: PT G: G T: NPT

- [Note] 1. Ordering code contains solenoid valve, manifold, and blank plate.
2. Maximum station up to 20 stations.

Ordering code for valve

CPV15 B P

① Model	② Voltage	③ Code of manual override
CPV: CPV series micro-solenoid valve	B: DC24V F: DC12V	P: With manual override

Ordering code for blank plate

P-CPV15S-R2

① Model	② Code
CPV15S: CPV15S series integrated solenoid valve	R2: Blank plate for manifold

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

Installation and Application

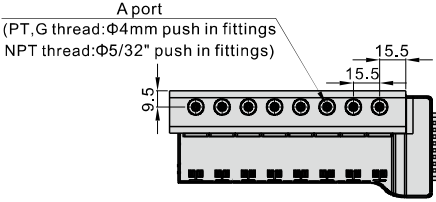
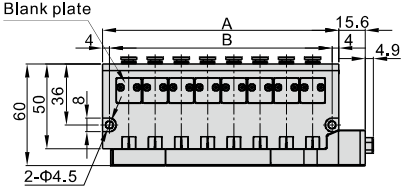
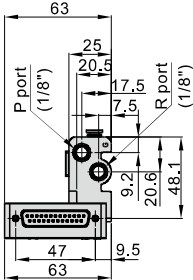
Please refer to the "Installation and Application " instruction of Integrated solenoid valve.



Integrated solenoid valve (3/2 way)

CPV15S Series—Manifold, solenoid valve and blank plate

Dimensions



Item\Number of stations	2F	4F	6F	8F	10F	12F	14F	16F	18F	20F
A	46.5	77.5	108.5	139.5	170.5	201.5	232.5	263.5	294.5	325.5
B	38.5	69.5	100.5	131.5	162.5	193.5	224.5	255.5	286.5	317.5