

# 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 40 μm 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]	
		PT thread	
		Φ4mm(Push in fittings)	
Coil	A Port	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		0.15~0.8MPa(21~114psi)
	Proof pressure		1.2MPa(175psi)
	Temperature		-20~70℃
Coil	Protection		Dustproof
	Standard voltage		DC24V
	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 □

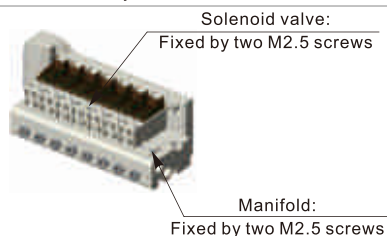
① ② ③ ④

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

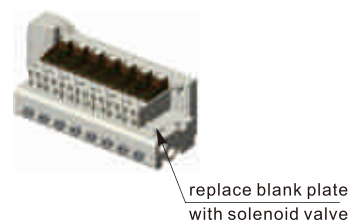
#### Assembly of micro-solenoid valve (blank plate) and manifold

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 .



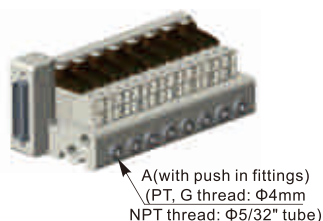
#### Expansion of micro-solenoid valve

Remove blank plate and install solenoid valve by the assembly instruction.



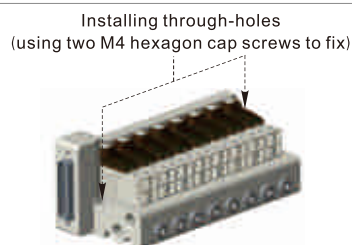
#### A port tubing

A port is at the side of manifold with push in fittings.



#### Manifold mounting

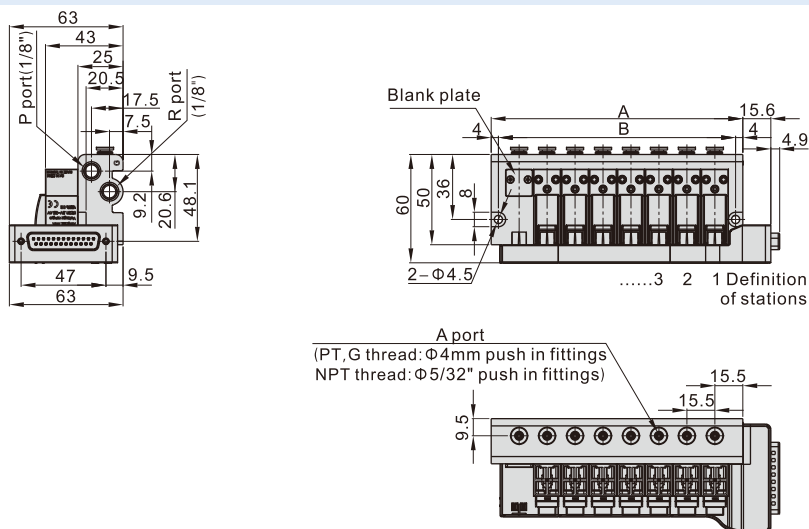
Both sides of manifold attach two installing through-holes, using two M4 hexagon cap screws to fix.



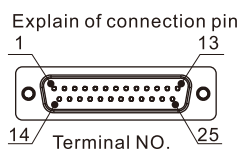
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### Dimensions



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



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) should be less than or equal to 22AWG.