
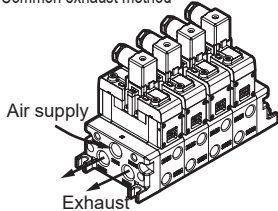
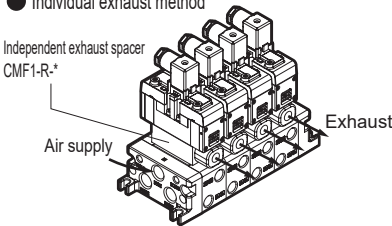
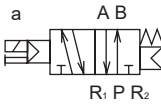
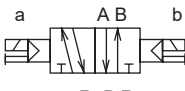

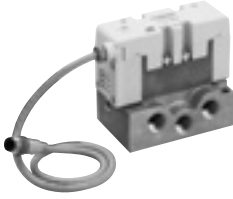
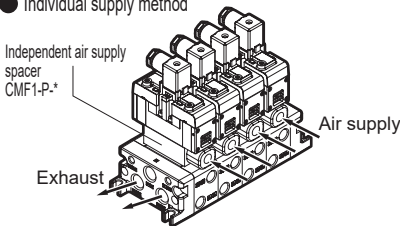
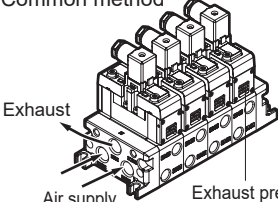



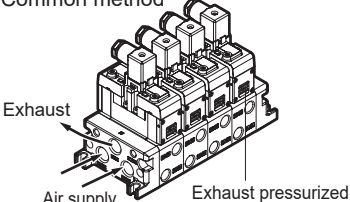

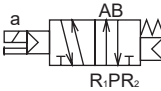

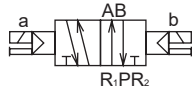


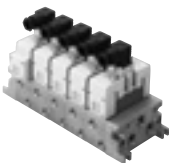
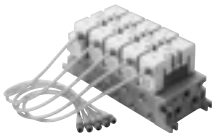


4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

Series/appearance				Position		Valve performance		Voltage
Size	Connection	Discrete valve	Individual wiring manifold * The figure is an example of a DIN terminal box.	Number of solenoids JIS symbol		Cylinder bore size	Flow characteristics C (dm ³ /(s·bar))	
ISO size 1	DIN terminal box	PV5G-6  Single unit page 1472 Manifold page 1484	● Common exhaust method  ● Individual exhaust method Independent exhaust spacer CMF1-R-* 	● 2-position single  ● 2-position double  ● 3-position all ports closed 	MAX. ø100	P→A/B 3.4 to 6.3 A/B→R1/ R2 3.0 to 6.9	100 VAC 200 VAC 12 VDC 24 VDC 110 VAC 220 VAC	
		I/O connector	PV5-6R  Single unit page 1500 Manifold page 1512	● Individual supply method Independent air supply spacer CMF1-P-*  ● Common method 				● 3-position all ports closed (non-leaking)  ● 3-position A/B/R connection 
	DIN terminal box		PV5G-8  Single unit page 1478 Manifold page 1488	● Individual supply/exhaust method  With this method of supplying both higher and lower pressure to a single manifold, a flow path cutoff plate (GM1-01) is inserted between the manifold blocks with different pressures. ● Different pressure supply method	● 3-position P/A/B connection  ● 2-position single (Exhaust pressurized) 	MAX. ø160	P→A/B 6.6 to 11.0 A/B→R1/ R2 6.2 to 13.0	100 VAC 200 VAC 12 VAC 24 VDC 110 VDC 220 VAC
		I/O connector	PV5-8R  Single unit page 1506 Manifold page 1516	● Individual supply/exhaust method Air supply and exhaust are processed individually by inserting an independent air supply spacer (CMF1-P-*) and an independent exhaust spacer (CMF1-R-*) between the manifold block and the valve body. ● Rear piping method When piping cannot be installed from the side, it is possible to install all or part of the piping of A/B ports from the bottom surface of the manifold.	● 2-position single (Exhaust pressurized) 			

*1: Effective cross-sectional area "S" and sonic conductance "C" are converted as $S \approx 5.0 \times C$.

*2: The I/O connector is only available for 24 VDC.

ISO size	Size 1				Size 2				
	Single unit: PV5G-6, PV5-6R Series Manifold: GMF1 Series				Single unit: PV5G-8, PV5-8R Series Manifold: GMF2 Series				
Sub-plate	DIN terminal box I/O connector		Page 1472 Page 1500		DIN terminal box I/O connector		Page 1478 Page 1506		
 	Model No.	Connection	Port size		Model No.	Connection	Port size		
			P/A/B	R ₁ , R ₂			P/A/B	R ₁ , R ₂	
	CB1-A02	Side piping	Rc1/4	Rc3/8	CB2-A03	Side piping	Rc3/8	Rc1/2	
	CB1-A03		Rc3/8		CB2-A04		Rc1/2		
					CB2-A06		Rc3/4	Rc3/4	
Manifold	DIN terminal box I/O connector		Page 1484 Page 1512		DIN terminal box I/O connector		Page 1488 Page 1516		
 	Model No.	Item		Specifications	Model No.	Item		Specifications	
	GMF1	Station No.		1 station to 10 stations	GMF2	Station No.		1 station to 10 stations	
		Piping connection	A/B Port	Rc1/4, 3/8		Piping connection	A/B Port	Rc3/8, 1/2	
			P/R ₁ /R ₂ port	Rc3/8, 1/2			P/R ₁ /R ₂ port	Rc1/2, 3/4	
	Option	Independent air supply spacer		CMF1-P-*	Option	Independent exhaust spacer		CMF2-P-*	
		Independent exhaust spacer		CMF1-R-*		Independent exhaust spacer		CMF2-R-*	
		Masking plate		CM1-00		Masking plate		CM2-00	
		Spacer regulator		CMF1-SR-A B		Spacer regulator		CMF2-SR-A B	
		Air pilot check valve		CMF1-PC		Air pilot check valve		CMF2-PC	
	Manifold method (As an option, a GMFZ which is a combination of GMF1 and GMF2 is also available.)								
	1	Common exhaust method			1	Common exhaust method			
	2	Individual exhaust method			2	Individual exhaust method			
	3	Individual supply method			3	Individual supply method			
	4	Different pressure supply method			4	Different pressure supply method			
	5	Individual supply/exhaust method			5	Individual supply/exhaust method			
	6	Rear piping method			6	Rear piping method			

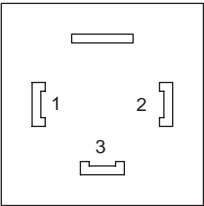
4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
**PV5G
GMF**
**PV5
GMF**
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HNV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

PV5G/PV5/GMF Series

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

PV5G/GMF (DIN terminal box)

How to wire



Pin No.	Name
1	a SOL
2	b SOL
3	COM

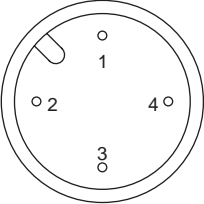
There is no specification of polarity when using a DC power supply.

Electric connection circuit diagram

Electrical connections (wiring method)			
	Blank	Without energization indicator lamp	N With surge suppressor and indicator lamp
Single	AC		
	DC		
Double	AC		
	DC		

PV5/GMF (I/O connector)

How to wire



Pin No.	Name
1	COM(NPN)
2	b SOL
3	COM(PNP)
4	a SOL

Pin 2 will not be used when using a single type.

Electric connection circuit diagram

Electrical connections (wiring method)	
Single	
Double	

Note: Only available with a rated voltage of 24 VDC and with surge suppressor and indicator lamp.