
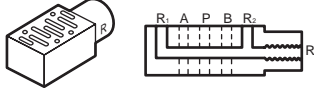
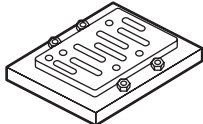
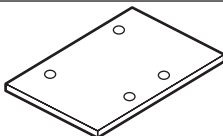

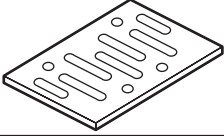
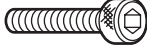
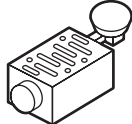
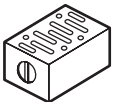
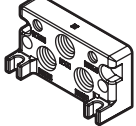
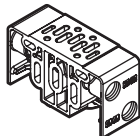
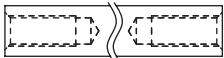
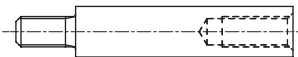


# GMF1/2 Series

## Manifold option

Optional descriptions	Model No.		Remarks
	ISO size 1	ISO size 2	
1. Independent air supply spacer 	CMF1-P-02 ( Rc1/4 ) 03 ( Rc3/8 )	CMF2-P-03 ( Rc3/8 ) 04 ( Rc1/2 )	1. For individual air supply port Clamp/used for differing pressures 2. Individual exhaust for exhaust pressurization
2. Independent exhaust spacer 	CMF1-R-02 ( Rc1/4 ) 03 ( Rc3/8 )	CMF2-R-03 ( Rc3/8 ) 04 ( Rc1/2 )	1-port exhaust with individual exhaust (back pressure countermeasures)
3. Adaptor 	CU1-00 (FS/FD2 Series, Rc1/4, 3/8) CU1-01 (FS/FD3 Series, Rc1/4, 3/8, 1/2)	CU2-00 (FS/FD3 Series, Rc1/4, 3/8, 1/2) CU2-01 (FS/FD4 Series, Rc1/2, 3/4)	PV5G-6 and PV5G-8 are installed on conventional model type F <sub>D3</sub> <sup>S2</sup> (Custom order product)
4. Masking plate 	CM1-00	CM2-00	For PV5G-6 For PV5G-8 For discrete masking
5. Flow path cutoff plate 	GM1-01	GM2-01	Manifold (GMF1/GMF2) P/R <sub>2</sub> port For masking
6. Base gasket 	PV5G-6-BASE-GASKET	PV5G-8-BASE-GASKET	For PV5G-6 For PV5G-8 These cannot be used on the bottom surface of the spacers.
	PV5-6-BASE-GASKET	PV5-8-BASE-GASKET	For the bottom surface of spacers
7. Mounting screw 	CMF1-M5X35	CMF2-M6X45	Set of 4
8. Spacer regulator 	CMF1-SR-P-T05 CMF1-SR-A-T05C CMF1-SR-B-T05C Model No. selection page 1487	CMF2-SR-P-T05 CMF2-SR-A-T05C CMF2-SR-B-T05C Model No. selection page 1491	Use with different pressures
9. Air pilot check valve 	CMF1-PC	CMF2-PC	Retain custom position of cylinder
10. Foot <div> <div>U side</div> <div>D side</div> </div> 	GFB1- <sup>03</sup> <sub>04</sub> U	GFB2- <sup>04</sup> <sub>06</sub> U	2 hexagon socket head cap screws, plugs, and a gasket on the U side foot are attached.
	GFB1- <sup>03</sup> <sub>04</sub> D	GFB2- <sup>04</sup> <sub>06</sub> D	
11. Manifold; block 	GMFB1- <sup>02</sup> <sub>03</sub> T	GMFB2- <sup>03</sup> <sub>04</sub> T	For left/right side piping 2 tie rods, plug and gasket are attached.
	GMFB1- <sup>02</sup> <sub>03</sub> Z	GMFB2- <sup>03</sup> <sub>04</sub> Z	For rear side piping 2 tie rods and gasket are attached.
12. Tie rod 	GMF1-TR-V*1 *1: 1 to 10 (station No.)	GMF2-TR-V*1 *1: 1 to 10 (station No.)	Set of 2 Tie rod length from 1 to 10 stations as used at shipping.
13. Tie rod for station expansion 	GMF1-TR-VZ	GMF2-TR-VZ	Set of 2 Use when adding onto the tie rods. Length can be added by 1 station.

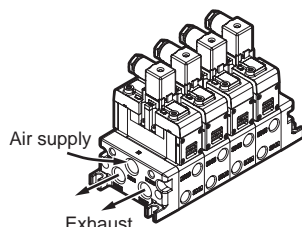
## Manifold

A wide variety of combinable supply, exhaust, and piping methods are available in the lineup. Select the ideal function for your application.

### 1 General use

#### ● Common exhaust method

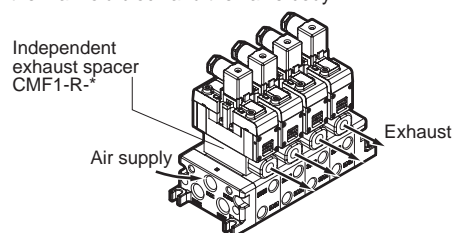
The most common method, in which solenoid valve supply and exhaust is centralized in one location through the use of P (supply) and R (exhaust) ports passing through the connected manifold block interior.



### 2 Applications for general use

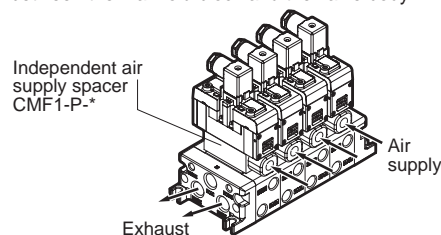
#### ● Individual exhaust method

As the R1/2 (exhaust) ports are independent for each solenoid valve, this prevents the popping out phenomenon of adjacent cylinders caused by back pressure. Exhaust is processed individually by inserting an independent exhaust spacer (CMF1-R-\*) between the manifold block and the valve body.



#### ● Individual supply method

As the P (air supply) port is independent for each valve, it is possible to supply a different pressure only to certain valves within the manifold. Air supply is processed individually by inserting an independent air supply spacer (CMF1-P-\*) between the manifold block and the valve body.



#### ● Individual supply/individual exhaust method

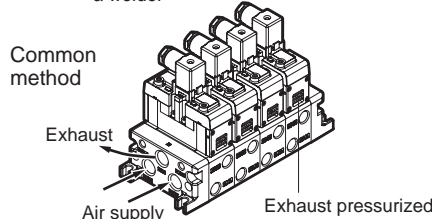
Use this method in order to allow individual configurations for the P (air supply) port and R (exhaust) port of certain valves within the manifold. Example: When the unit is being used with no lubrication but a certain valve alone must be lubricated. Air supply and exhaust are processed individually by inserting an independent air supply spacer (CMF1-P-\*) and an independent exhaust spacer (CMF1-R-\*) between the manifold block and the valve body.

#### ● Different pressure supply 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.

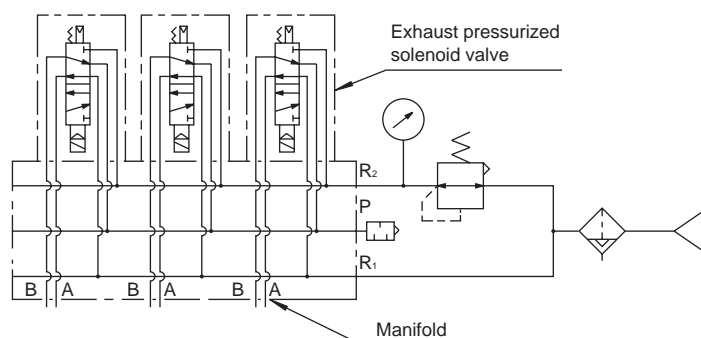
### 3 Special use (exhaust pressurized method)

Optimal for use when there is a need to supply two or more types of different pressures to a single manifold. Example: When driving a 2-piston cylinder used with a welder

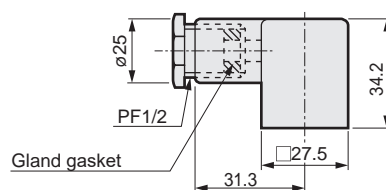


#### ● Example of use of exhaust pressurized type

##### Common method

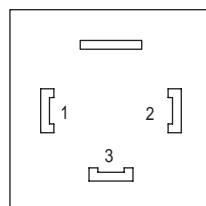


#### ● Terminal box (model No.: PV5G-DIN-TRM-BOX)



Gland gasket inner diameter	Color	Compatible (cord/cable) O.D.
ø10.5	Black	ø8.5 to ø11.5

##### 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.

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)
<b>PV5G GMF</b>
<b>PV5 GMF</b>
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