

## M4GB1 to 3 Series

## How to fill out metal base M4G Series manifold specifications sheet

● Manifold model No. (example)

M 4 GB1 8 0R- CX - T30 - 9 - 3

Solenoid valves

Solenoid position

Port size

Electrical  
connectionsTerminal connector  
pin array methodStation  
No.

Voltage

## Precautions for fitting mix CX

The port A/B fitting can be selected freely by indicating "CX" in the port size area.

## Selectable cartridge fittings

4G1 CF, C18, C4, C6, C8, x (plug)  
4G2 C4, C6, C8, C10, x (plug)  
4G3 C6, C8, C10, x (plug)

\* Port A/B fitting mix with body piping is not supported. 4G1 C8 and 4G2 C10 base piping types are available on a made-to-order basis. Fitting mix CX supports only the combinations of C8 and X (plug) for 4G1 and C10 and X (plug) for 4G2.

## How to use base piping M4GB\*10 as a 3-port valve

Usable as NO/NC by attaching a plug cartridge on one side of port A/B. Indicate "X" in the fitting CX column.

Switching method	Plug mounting port
NC (Normally closed)	B
NO (Normally open)	A

For female thread specifications, indicate the required number of plugs in the "Threaded plug" area at the end.

Female threads and cartridge fitting cannot be used together in one manifold set.

## Elbow specifications

- The push-in L fitting (upward) supports only the single solenoid manifold.  
Port A is a long elbow and port B a short elbow.
- Port A/B sizes are the same for elbow specifications.

Solenoid valve model No.		Fitting CX		Installation position																								Quantity
		A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
4GB119R-CX		C6	X	○	○																							2
4GB119R-C6						○	○																					2
4GB129R-C6								○	○																			2
4GB159R-CX		C6	C4							○	○																	2
4GB19R																												
3GB19R																												
3GB19R																												
Masking plate 4G1R-MP (S)																												
Masking plate 4G1R-MP (D)											○																	1
Mounting Rail	L2 = <input type="text"/> * Write an integer multiple of 12.5.	Included Part	Blanking plug										Threaded plug				Silencer											
			PG-P2-B					GWP4-B					4G1R-M5P				SLW-6S				SLW-6A							
			GWP6-B					GWP8-B																				
			Cable with D-sub-connector					4GR-CABLE-D0 <input type="checkbox"/> <input type="checkbox"/>					Push-in fitting tube remover (included as standard) <input checked="" type="checkbox"/> Not required (check the box)															

\* A reference circuit diagram for the above manifold (example) is shown on the next page.

From the manifold specifications for each model, select and fill out the appropriate form.

M4GB1 (page 422), M4GB2 (page 423), M4GB3 (page 424)

\*1: Select the silencer mounting after confirming the dimensions.

If the tube remover (standard attachment) is not required, place a check.

M4GB1\*OR-C8 does not have a removal tool included.

**How to fill out wiring specifications sheet**

Not required for standard wiring and double wiring.

● **Wiring specifications sheet (example)**

Complete these specifications when specifying the wiring order and additional cables.

Connector pin No.		Installation position																
T30/T30R	T50/T50R/T6*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	1	a																
14	2	a																
2	3		a															
15	4			a														
3	5				a													
16	6					a												
4	7					b												
17	8						a											
5	9 - Power supply						b											
18	10 + (COM) Power supply							a										
6	11							b										
19	12								a									
7	13								b									
20	14									a								
8	15									b								
21	16										(a)							
9	17										(b)							
22	18																	
10	19 - Power supply																	
23	20 + (COM) Power supply																	
11																		
24																		
12																		
25																		
13 (COM)																		

\* Note that when T50 wiring is used, the COM polarity is + (plus).

\* When T50 wiring is used, connector pin numbers 9, 10, 19, and 20 cannot be specified, because they are used for the external input power supply.

\* Wiring is sequential from connector pin No. 1 in standard wiring. Contact CKD for special wiring order.

### Precautions regarding spare wiring

- (1) Spare wires are provided on the masking plate for the reduced wiring manifold. (Refer to page 416)

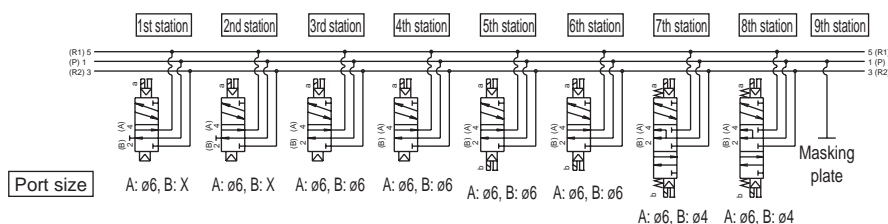
The number of wires for spare wiring can be specified by selecting the masking plate within the specifications.

4G \*R -MP(S): 1 pc

4G \*R -MP(D): 2 pcs

Indicate (a) or (b) on the manifold specifications sheet for masking plate spare wiring.

**Reference circuit diagram** The simplified circuit diagram of the manifold model No. (example) on the previous page is shown below.



\* The manifold station numbers are set in order from the left with the piping port facing forward.

For wiring specifications sheets, refer to page 432 to page 434.

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

- 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

Metal base, M4GB1

M4GB1 Manifold specifications sheet

● Contact

● Quantity

set (s)

● Delivery date

/

Slip No.

Order No.

Date issued

/

/

Company

Contact

Order No.

● Manifold model No.

M

GB1

0R-

-

-

-

-

-

Solenoid valves

Solenoid position

Port size

Electrical connection reduced wiring connection

Terminal connector pin array method

Option

Mounting

Station No.

Voltage

Solenoid valve model No.		Fitting CX		Valve installation position																								Quantity		
		A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24			
4GB1-9R-																														
4GB1-9R-																														
4GB1-9R-																														
4GB1-9R-																														
4GB1-9R-																														
3GB1-9R-																														
3GB1-9R-																														
Masking plate 4G1R-MP (S)-																														
Masking plate 4G1R-MP (D)-																														
Air supply spacer 4G1R-P-																														
In-stop valve spacer 4G1R-IS																														
Exhaust spacer 4G1R-R-																														
Mounting rail  L2 =  * Write an integer multiple of 12.5.	Included parts	Blanking plug										Threaded plug					Silencer													
		PG-P2-B					GWP4-B					4G1R-M5P					SLW-6S					SLW-6A								
		GWP6-B					GWP8-B																							
		Cable with D-sub-connector					4GR-CABLE-D0- 					Push-in fitting tube remover (included as standard) Not required (check the box)																		

\* M4GB C8 does not have a tube removal tool included.

# Metal base, M4GB2

## M4GB2 Manifold specifications sheet

Date issued / /

Company

Contact

Order No.

● Contact

● Quantity

set (s)

● Delivery date

/

Slip No.

Order No.

● Manifold model No.

**M**  **GB2**  **0R-**  -    -  -

Solenoid valves      Solenoid position      Port size      Electrical connection reduced wiring connection      Terminal connector pin array method      Option      Mounting      Station No.      Voltage

Solenoid valve model No.		Fitting CX		Valve installation position																								Quantity				
		A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24					
4GB2- <div></div> 9R- <div></div>																																
4GB2- <div></div> 9R- <div></div>																																
4GB2- <div></div> 9R- <div></div>																																
4GB2- <div></div> 9R- <div></div>																																
4GB2- <div></div> 9R- <div></div>																																
3GB2- <div></div> 9R- <div></div>																																
3GB2- <div></div> 9R- <div></div>																																
Masking plate 4G2R-MP (S)- <div></div>																																
Masking plate 4G2R-MP (D)- <div></div>																																
Air supply spacer 4G2R-P- <div></div>																																
In-stop valve spacer 4G2R-IS																																
Exhaust spacer 4G2R-R- <div></div>																																
Pilot check valve spacer 4G2R-PC-M*																																
Mounting rail	L <sub>2</sub> = <div></div> * Write an integer multiple of 12.5.	Included parts	Blanking plug										Threaded plug					Silencer														
			GWP4-B						GWP6-B						4G2R-06P						SLW-8S						SLW-8A					
			GWP8-B						GWP10-B																							
			Cable with D-sub-connector					4GR-CABLE-D0 <div></div> - <div></div>																								

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

HNV

HSV

2QV

3QV

SKH

Silencer

TotAirSys  
(Total Air)TotAirSys  
(Gamma)

Ending

