**Block configuration** 

Block manifold: Block configuration

As units can be freely assembled, it is easy to change the number of stations, perform maintenance, etc.

## Valve block with solenoid valve

- (1) The types of solenoid valve required can be arranged on a DIN rail at the number of stations required. However, the max. number of stations depends on the wiring method. (Refer to pages 246 and 262.)
- (2) Solenoid valves are numbered 1, 2, 3... from the left with the fitting in front.

## Supply and exhaust block

- (1) At the connecting part of each block, a number of blocks can be freely connected.
- (2) Select internal or external pilot according to the solenoid valve.

## End block

- (1) Install on both sides for individual wiring specifications.
- (2) Install only on wiring block opposite side for reduced wiring specifications.

#### Partition block

(1) Install in combination with supply and exhaust blocks for multi-pressure specifications.

#### Mixed block

(1) Install when combining 4G1 and 4G2 as a mix on the same DIN rail. This will have the effect of reduced piping.

Note: 4G1 on the left side of the mixed block and 4G2 on the right side.

MN4GD/E 4GA4/B4

4GA/B

M4GA/B MN4GA/B

4GA/B (master)

4GB

With sensor

4GD/E

M4GD/E

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

4G\*0EJ 4F\*0EX

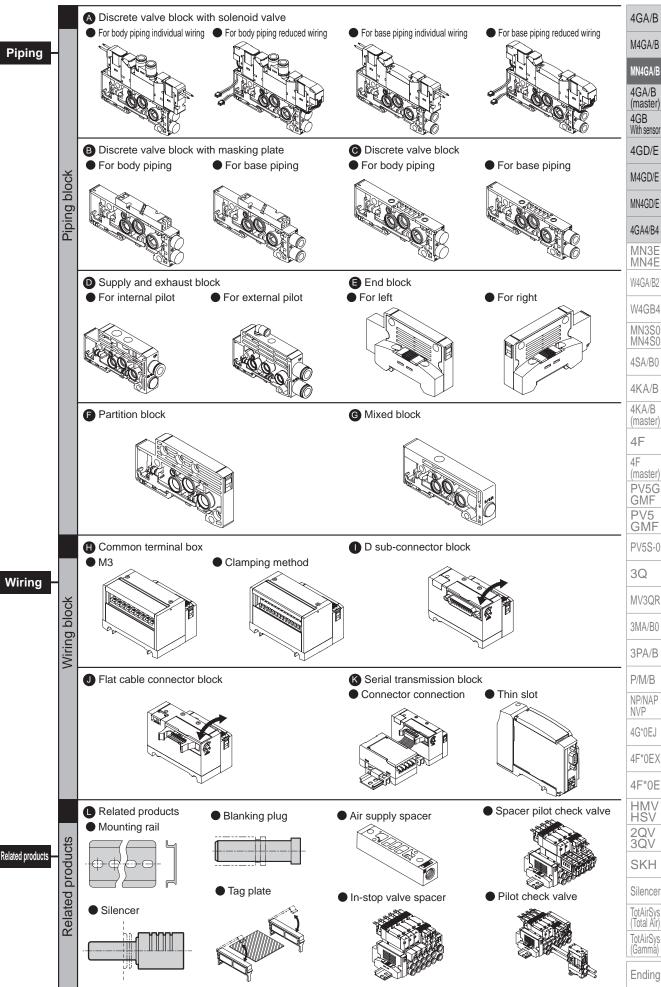
4F\*0E HMV HSV

2QV 3QV

SKH Silencer

TotAirSys (Total Air) **TotAirSys** (Gammá)

## Block configuration



Block manifold configuration

Block manifold: Piping section

4GA/B

MN4GA/B

4GA/B

(master)

4GD/E

M4GD/E

MN4GD/E

4GA4/B4 MN3E MN4E W4GA/B2 W4GB4

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

4GB With sensor **Piping** 

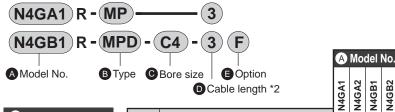
M4GA/B A. Discrete valve block with solenoid valve

> Block assembled from solenoid valve body and valve block (split resin base). For model selection, refer to the following pages. Body piping individual wiring: page 232, base piping individual wiring: page 240, body piping reduced wiring: page 248, base piping reduced wiring: page 264

> > N4GB1

B. Discrete valve block with masking plate

Block assembled from masking plate and valve block (split resin base).



В Туре					
MP For individual wiring					
MPS	For reduced wiring single				
MPD	For reduced wiring double/3-position				

MN3S0 MN4S0	_		ble length *3
	Blar	ık	For individual wiring
4SA/B0	A/B0  Blank For individual wirin  2 Select the length from page 290.	lect the length from	
4KA/B	10	ра	ge 290.
4r\A/D			

Option				
Blank	No option			
L	With piping adapter			
F	A/B-port filter built in			

\*2: A socket assembly is attached with purchases for reduced wiring station expansion, so select "2 to 10". Select a cable length from page 290 and fill in the 10 cable length field. If ordering with the manifold specifications sheet, the cable length can be omitted.

Code	Desci	ription		_	_	_
<b>©</b> Pc	ort size (for base p	iping, this must be	CO	nfiç	jure	ed.)
Type	Metric fitting	g/Rc thread				
CF	ø1.8 barbed fitting					
Ci	(compatible tube UP-91			_		
C18	ø1.8 push-in fitting	00 **\				
C4	(compatible tube UP-94) ø4 push-in fitting	02-**)			-	
C6	ø6 push-in fitting					H
C8	ø8 push-in fitting					ŏ
	ø1.8 push-in L-fitting up	ward				
CL18	(compatible tube UP-94					
CL4	ø4 push-in L-fitting (upv					
CL6	ø6 push-in L-fitting (upv					
CL8	ø8 push-in L-fitting (upv					
CD18	ø1.8 push-in L-fitting do (compatible tube UP-94)				•	
CD4	ø4 push-in L-fitting (dov					
CD6	ø6 push-in L-fitting (dov	vnward)				
CD8	ø8 push-in L-fitting (dov					
Single, plug specs	A port	B port				
CFNC	ø1.8 barbed fitting (compatible tube UP-9102-**)				•	
C18NC	ø1.8 push-in fitting					
	(compatible tube UP-9402-**)	Plug				
C4NC	ø4 push-in fitting					
C6NC	ø6 push-in fitting					
C8NC	ø8 push-in fitting					
CFNO		ø1.8 barbed fitting				
		(compatible tube UP-9102-**)			Ě	
C18NO	Plug	ø1.8 push-in fitting (compatible tube UP-9402-**)				
C4NO	Flug	ø4 push-in fitting				
C6NO		ø6 push-in fitting				
C8NO		ø8 push-in fitting				ŏ
CL18NC	ø1.8 push-in L-fitting upward					
	(compatible tube UP-9402-**)					
	ø4 push-in L-fitting (upward)	Plug				
CL6NC CL8NC	ø6 push-in L-fitting (upward) ø8 push-in L-fitting (upward)					
		ø1.8 push-in L-fitting upward				
CL18NO		(compatible tube UP-9402-**)			•	
CL4NO	Plug	ø4 push-in L-fitting (upward)				
CL6NO		ø6 push-in L-fitting (upward)				
CL8NO		ø8 push-in L-fitting (upward)				

_				N4GA1	N4GA2	N4GB1	0000
C	ode	Desci	ription	ı			
T	ype	Metric fittin	g/Rc thread	Ì			
Single	e, plug specs	A port	B port				Ι
	18NC	ø1.8 push-in L-fitting downward (compatible tube UP-9402-**)				•	
	D4NC		Plug			•	L
	D6NC		-	<u> </u>			L
CL	D8NC	ø8 push-in L-fitting (downward)					Ļ
_	18NO		ø1.8 push-in L-fitting downward (compatible tube UP-9402-**)			•	
	04NO	Plug	ø4 push-in L-fitting (downward)				ŀ
	O6NO O8NO		ø6 push-in L-fitting (downward)				H
_		1 1 600	ø8 push-in L-fitting (downward)				L
	ype		inch thread	_			ı
		ø1/8" push-in fitting				•	Ļ
		ø5/32" push-in fitting		_			ŀ
	C6N	ø1/4" push-in fitting		-			ŀ
	C8N L3N	ø5/16" push-in fitting ø1/8" push-in L-fitting (i	upward) *1				H
	L4N	ø5/32" push-in L-fitting				00	H
	L6N	ø1/4" push-in L-fitting (i		-		$\cup$	H
	L8N	ø5/16" push-in L-fitting (					ł
	e, plug specs	A port	B port				L
		ø1/8" push-in fitting	Броп				Т
		ø5/32" push-in fitting	1			ě	t
		ø1/4" push-in fitting	Plug			_	t
		ø5/16" push-in fitting	1				t
	NON		ø1/8" push-in fitting				t
C4	NON	6	ø5/32" push-in fitting				t
C6	NON	Plug	ø1/4" push-in fitting				Γ
C8	NON		ø5/16" push-in fitting				Γ
		ø1/8" push-in L-fitting upward *1				0	I
		ø5/32" push-in L-fitting upward *1	Plug			0	I
		ø1/4" push-in L-fitting upward *1	riug				Ī
CL	8NCN	ø5/16" push-in L-fitting upward *1					ľ
CL	3NON		ø1/8" push-in L-fitting upward *1			0	Ĺ
CL	4NON	Plug	ø5/32" push-in L-fitting upward *1			0	L
CL	6NON	i iug	ø1/4" push-in L-fitting upward *1				
ICL	8NON		ø5/16" push-in L-fitting upward *1				L

is not available.

indicates a custom order.

A Model No.

#### N4GA1R-MP N4GB1R-MPD-C4-3 a side socket assembly (Enclosed product)

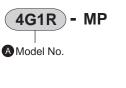
Relay socket assembly (Enclosed product) Piping adapter Piping adapter

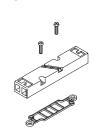
N4GB1R-MPD-C4-3L N4GB1R-MPD-CL4-3L

N4GA2R-MP

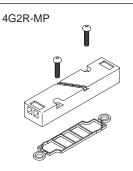
N4GB2R-MPD-C6-5 a side socket assembly (Enclosed product) Relay socket assembly (Enclosed product)

B-1. Masking plate





4G1R-MP

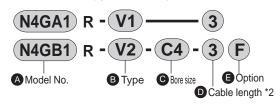


Block manifold: Piping section

## **Piping**

## C. Discrete valve block (separate item only)

Discrete valve block (split resin base).



A	Мо	del I	No.			
N4GA1	N4GA2	N4GB1	N4GB2			
_	_	_	_	П	Code	Γ

A Model No.					
1	2	1	2		
N4GA1	N4GA2	N4GB1	N4GB2		
ž	ž	ž	ž		

<b>В</b> Ту	pe
V1	For individual wiring For reduced wiring single
V2	Reduced wiring double/3 For position

D Cable length *3						
Blar	ık	For individual wiring				
2 to 10	Se	lect the length from ge 290.				

\*2: A socket assembly is attached with purchases for reduced wiring station expansion, so select "2 to 10". Select a cable length from page 290 and fill in the **O** cable length field. If ordering with the manifold specifications sheet, the cable length can be omitted.

ı	Code	Descr	ription				
ı	<b>⊕</b> Pc	ort size (for base pi	iping, this must be	со	nfiç	jure	ed.)
İ	Туре	Metric fitting	g/RcThread				
ı	CF	ø1.8 barbed fitting					
ı		(compatible tube UP-91)	02-**)	_		_	
ı	C18	ø1.8 push-in fitting (compatible tube UP-94)	00 **\				
ı	C4	@4 push-in fitting	02-**)	_			
ı	C6	ø6 push-in fitting		_		-	-
ı	C8	ø8 push-in fitting					
i		ø1.8 push-in L-fitting up	ward			_	
ı	CL18	(compatible tube UP-94)					
İ	CL4	ø4 push-in L-fitting (upv					
į	CL6	ø6 push-in L-fitting (upv					
	CL8	ø8 push-in L-fitting (upv					
	CD18	ø1.8 push-in L-fitting do				•	
ı			patible tube UP-9402-**) ush-in L-fitting (downward)				
١	CD4			_		•	
١	CD6	ø6 push-in L-fitting (dov		_		•	
ı	CD8	ø8 push-in L-fitting (dov		_			_
ı	Single, plug specs	A Port ø1.8 barbed fitting	B Port	-			
ı	CFNC	(compatible tube UP-9102-**)					
ı		ø1.8 push-in fitting		-			
ı	C18NC	(compatible tube UP-9402-**)	Plug				
ı	C4NC	ø4 push-in fitting	liug				
ı	C6NC	ø6 push-in fitting				Ŏ	Ŏ
ı	C8NC	ø8 push-in fitting					
١	CFNO		ø1.8Barbed fitting			•	
ı	CFNO		(Compatible tube UP-9102-**)				
ı	C18NO		ø1.8Push-in fitting				
ı		Plug	(Compatible tube UP-9402-**)			_	
ı	C4NO		ø4Push-in fitting			•	
ı	C6NO C8NO		ø6Push-in fitting	-		•	-
ı		ø1.8 push-in L-fitting upward	ø8Push-in fitting	-			
	CL18NC	(compatible tube UP-9402-**)					
١	CL4NC	ø4 push-in L-fitting (upward)	Plug				
	CL6NC	ø6 push-in L-fitting (upward)	9			ŏ	
	CL8NC	ø8 push-in L-fitting (upward)					
į	CL18NO		ø1.8 push-in L-fitting upward			•	
, I			(compatible tube UP-9402-**)				
Ш	CL4NO	Plug	ø4 push-in L-fitting (upward)				
	CL6NO		ø6 push-in L-fitting (upward)				
Ш	CL8NO		ø8 push-in L-fitting (upward)				

N4GA1R-V1

Code	Desci	приоп					
Туре	Metric fitting	g/RcThread					
Single, plug specs	A Port	B Port					
CD18NC	ø1.8 push-in L-fitting downward						
	(compatible tube UP-9402-**)						
CD4NC	ø4 push-in L-fitting (downward)	Plug					
CD6NC	ø6 push-in L-fitting (downward)						
CD8NC	ø8 push-in L-fitting (downward)						
CD18NO		ø1.8 push-in L-fitting downward					
		(compatible tube UP-9402-**)	_			_	
CD4NO	Plug	ø4 push-in L-fitting (downward)	_			•	
CD6NO		ø6 push-in L-fitting (downward)	_	$\Box$		•	Q
CD8NO		ø8 push-in L-fitting (downward)	_				
Туре		inch thread					
C3N	ø1/8" push-in fitting		_]				
C4N	ø5/32" push-in fitting		_				
C6N	ø1/4" push-in fitting						
C8N	ø5/16" push-in fitting		_				◕
CL3N	ø1/8" push-in L-fitting (u		*1			00	
CL4N	ø5/32" push-in L-fitting		*1			0	
CL6N	ø1/4" push-in L-fitting (u		*1				Ŏ
CL8N	ø5/16" push-in L-fitting (		*1				$\Box$
Single, plug specs	A Port	B Port					
C3NCN	ø1/8" push-in fitting					•	
C4NCN	ø5/32" push-in fitting	Plug				•	
C6NCN	ø1/4" push-in fitting				_		
C8NCN	ø5/16" push-in fitting	4 (0" l- : fitti	_				
C3NON		ø1/8" push-in fitting	_			•	
C4NON	Plug	ø5/32" push-in fitting	-			_	
C6NON C8NON	_	ø1/4" push-in fitting ø5/16" push-in fitting	$\dashv$				
CL3NCN	ø1/8" push-in L-fitting upward *1	push-in litting	$\dashv$			$\overline{}$	_
CL3NCN CL4NCN	ø5/32" push-in L-fitting upward *1					9	
CL4NCN CL6NCN	ø1/4" push-in L-fitting upward *1	Plug				$\overline{}$	
CL8NCN	ø5/16" push-in L-fitting upward *1						응
CL3NON	porto puorrii Entally upwalu I	ø1/8" push-in L-fitting upward	*1			0	$\vdash$
CL4NON		ø5/32" push-in L-fitting upward	*1			$\tilde{}$	
CL6NON	Plug	ø1/4" push-in L-fitting upward	*1				
CL8NON		ø5/16" push-in L-fitting upward	*1				ಗ
		1 2001 III & IIIIIII 9 97 1010	-				
<b>□</b> 0	otion						

Description

<b>3</b> 0	ption		
Blank	No option		
L	With piping adapter		
F	Port A/B filter built in		
Z6	For spacer pilot check valve mounting		

1: Available as made to order.

N4GA2R-V1

is not available.

 $\bigcirc$ indicates made to order.

N4GB2R-V2-C6

Discrete valve	block	circuit	diagram
----------------	-------	---------	---------

2(B)

4(A)

Solenoid valve

## Option L piping adapter

When using radial upward push-in fittings with double or 3-position types, select L (with piping adapter).

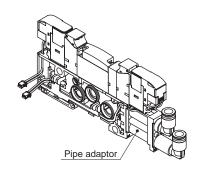
12/14(PA)

5(R 1)

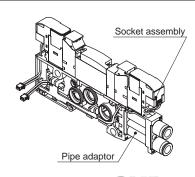
3 (R 2)

1(P)

In addition, combining axial push-in fittings with piping adapters may cause the fitting to protrude past the socket assembly, making tube attachment and removal easier.



N4GB1R-V2-C4



**CKD** 

289

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

NVP 4G\*0EJ

4F\*0EX 4F\*0E

HMV HSV

2QV 3QV SKH

Silencer

TotAirSys (Total Air) TotAirSys (Gamma)

Block manifold: Piping section

#### **Piping** 4GA/B

M4GA/B

MN4GA/B

4GA/B (master)

4GB

With sensor

4GD/E

MN4GD/E

4GA4/B4

MN3E MN4E W4GA/B2 W4GB4 MN3S0 MN4S0 4SA/B0

4KA/B 4KA/B

(master) 4F

PV5G

P\/5 GMF

PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP

4G\*0EJ

4F\*0EX 4F\*0E

HΜV HSV 2QV 3QV

SKH

Silencer TotAirSys (Total Air)

TotAirSys (Gamma Ending

NVP

4F (master) As problems may occur depending on the configuration, make selections with a sufficient understanding of the features of each block.

### C. Discrete valve block (separate item only)

## Valve block for expansion Cable length

Calculate the distance W between the expansion position and the wiring block (Fig. 1), and select an appropriate cable length from [Table 1]. Note that the required socket assembly will differ between the a side solenoid and the b side solenoid.

While Fig. 1 shows the wiring block with left side specifications, similarly calculate the distance W between the expansion position and the wiring block for the right side specifications. Calculation of W

· For MN4G1

W=(10.5xn)+(16xm)+(10.5xl)

M4GD/E · For MN4G2

W=(16xn)+(18xm)+(10.5xl)

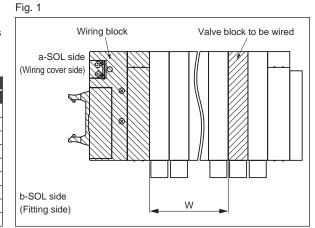
n: number of valve blocks m: number of supply and exhaust blocks I: number of partition blocks

For MN4GX

Calculate W using the mix block width of 16.

[Table 1] W length - selection No. compatibility table

Selection No.	Type of wiring				
Selection No.	T10/11(R)	T30/5*/6* (R)	T7*/T8*		
2		0	25 or less		
3	20 or less	Over 0 to 30	Over 25 to 55		
4	Over 20 to 70	Over 30 to 80	Over 55 to 105		
5	Over 70 to 120	Over 80 to 130	Over 105 to 155		
6	Over 120 to 170	Over 130 to 180	Over 155 to 205		
7	Over 170 to 260	Over 180 to 270	Over 205 to 295		
8	Over 260 to 350	Over 270 to 360	Over 295 to 385		
9	Over 350 to 450	Over 360 to 460	Over 385 to 485		
10	Over 450 to 570	Over 460 to 580	Over 485 to 605		



N4G2R-QK-10X

PA (external pilot

\* External pilot port: ø6 push-in fitting

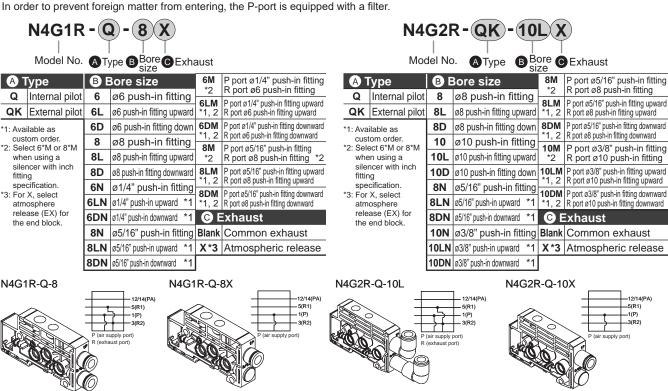
5(R1) - 1(P) — 3(R2

## D. Supply and exhaust block

The supply and exhaust block can be installed at any position adjacent to the valve block.

N4G1R-QK-8LX

As there is no set number of units, install two or more units when necessary for combinations with partition blocks or in order to increase the flow rate for supply and exhaust.



N4G2R-QK-10

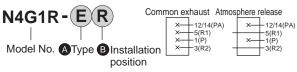
N4G1R-QK-8

## Block manifold: Piping section

## **Piping**

### E. End block

Install on both ends of the manifold for individual wiring. Install on opposite sides of the wiring block for reduced wiring. An exhaust muffler is built into the atmosphere release.



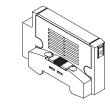
A Type		B Installation position		
E	Common exhaust	L	For left side	
EX	Atmospheric release	R	For right side	

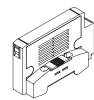
#### Common exhaust Atmosphere release N4G2R-(EX -12/14(PA) -5(R1) -1(P) -3(R2) -12/14(PA) -5(R1) -1(P) -3(R2) Model No. A Type B Installation position

(A) Typ	ре	B Installation position		
Е	Common exhaust	L	For left side	
EX	Atmospheric release	R	For right side	

N4G2R-EL

N4G2R-ER

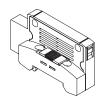


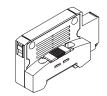


#### N4G1R-EL

N4G1R-ER

N4G1-S

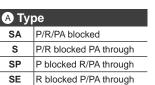


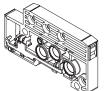


## F. Partition block

Multi-pressure mixing and measures for back pressure increase prevention can be achieved by combining partition blocks and supply and exhaust blocks.









<b>А</b> Тур	ре
SA	P/R/PA blocked
s	P/R blocked PA through
SP	P blocked R/PA through
SE	R blocked P/PA through

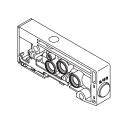


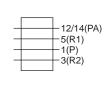
-SA		-S		-SP		-SE	
	-12/14(PA) -5(R1) -1(P) -3(R2)	x x	-12/14(PA) -5(R1) -1(P) -3(R2)	×	12/14(PA) - -5(R1) - -1(P) - -3(R2) -		12/14(PA) -5(R1) -1(P) -3(R2)

## G. Mixed block

Install when 4G1 and 4G2 will be mixed within the same manifold. Installation positions are 4G1 on the left side of the mixed block and 4G2 on the right side.

**N4G12R - MIX** 





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

HM\ HSV 2QV 3QV

SKH

Silencer

TotAirSys (Total Air) TotAirSys (Gamma)

## Block manifold: Wiring section

Wiring 4GA/B

Wiring block cannot be ordered as a single item.

\* "Wiring block" is the overall term for H. common terminal blocks, I. D-sub-connector blocks, J. flat cable connector blocks, and K. serial transmission blocks.

#### H. Common terminal box

MN4GA/B

M4GA/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 (master) PV5G **GMF** 

4F

PV5 GMF PV5S-0

3Q MV3QR

3MA/B0 3PA/B

P/M/B

NP/NAP 4G\*0EJ

4F\*0EX

4F\*0E HMV HSV

2QV 3QV

SKH Silencer

TotAirSys (Total Air) **TotAirSys** (Gammá)

Ending

## M3 thread specifications

N4G1R-T10



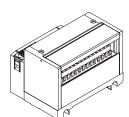
N4G1R-T10R



Clamping specifications

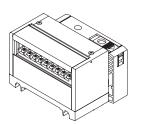
N4G1R-T11

N4G1R-T11R

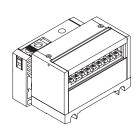


M3 thread specifications

N4G2R-T10



N4G2R-T10R

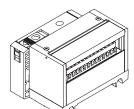


Clamping specifications

N4G2R-T11

N4G2R-T11R





#### I. D sub-connector block

N4G1R-T30



N4G1R-T30R



N4G2R-T30



N4G2R-T30R



\* Refer to page 819 for the model No. of cables with D sub-connector.

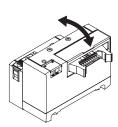
## J. Flat cable connector block

With power supply terminal

N4G1R-T50

N4G1R-T50R

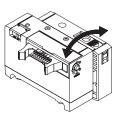


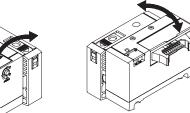


## With power supply terminal

N4G2R-T50



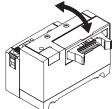




### Without power supply terminal

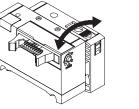
N4G1R-T51(N4G1R-T52) (N4G1R-T53)

N4G1R-T51R(N4G1R-T52R) (N4G1R-T53R)

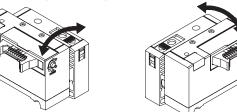


## Without power supply terminal

N4G2R-T51(N4G2R-T52) (N4G2R-T53)



N4G2R-T51R(N4G2R-T52R) (N4G2R-T53R)





Block manifold: Wiring section

Wiring

(Wiring block) \* Wiring block cannot be ordered as a separate item.

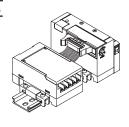
## K. Serial transmission block

Connector type



<b>А</b> Туре	•		
T6G1	CC-Link	NPN	16 points

N4G1R-T6\*





<b>А</b> Тур	е		
T6G1	CC-Link	NPN	16 points
	OO LIIIK	141.14	TO POINT

N4G2R-T6\*

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

PV5S-0

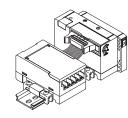
3Q

MV3QR

3MA/B0 3PA/B

P/M/B

4F\*0E HMV HSV 2QV 3QV



Slim slot



A	A Type						
Т	7D1	DeviceNet		16 points			
Т	7G1	CC-Link	NPN	16 points			
Т	7L1	SAVE NET		16 points			
Т	<b>7</b> S1	CompoNet	NPN	16 points			
T	7SP1	Componer	PNP	16 points			

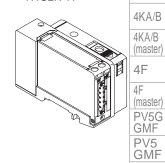




N4G2R	- T7G1
Model No.	A Type

A Type					
T7D1	DeviceNet		16 points		
T7G1	CC-Link	NPN	16 points		
T7L1	SAVE NET		16 points		
T7S1	CompoNot	NPN	16 points		
T7SP1	CompoNet	PNP	To points		

N4G2R-T7\*



Slim slot

N4G1R - (T8G1) A Wiring method

A Wiri	ng method		
T8G1		NPN	16 points
T8G2	CC-Link	INFIN	32 points
T8GP1	CC-LIIK	PNP	16 points
T8GP2		PINP	32 points
T8P1		NPN	16 points
T8P2	PROFIBUS-DP	INFIN	32 points
T8PP1	FROFIBUS-DF	PNP	16 points
T8PP2		FINE	32 points
T8EC1		NPN	16 points
T8EC2	EtherCAT	INFIN	32 points
T8ECP1	Elliercai	PNP	16 points
T8ECP2			32 points
T8EN1	EtherNet/IP	NPN	16 points
T8EN2			32 points
T8ENP1	Luienneuir	PNP	16 points
T8ENP2		FINE	32 points
T8D1		NPN	16 points
T8D2	DeviceNet	INFIN	32 points
T8DP1	Devicemen	PNP	16 points
T8DP2		FINE	32 points
T8EB1		NPN	16 points
T8EB2	CC-Link	INFIN	32 points
T8EBP1	IEF Basic	PNP	16 points
T8EBP2		FINE	32 points
T8EP1		NPN	16 points
T8EP2	PROFINET	INFIN	32 points
T8EPP1	INOFINE	PNP	16 points
T8EPP2		LINE	32 points

N4G1R-T8\*



N4G2R	- T8G1
	A Wiring method

		J	
A Wiri	ng method		
T8G1		NPN	16 points
T8G2	CC Limb	INPIN	32 points
T8GP1	CC-Link	PNP	16 points
T8GP2		PNP	32 points
T8P1		NPN	16 points
T8P2	PROFIBUS-DP	INFIN	32 points
T8PP1	PROFIBUS-DF	PNP	16 points
T8PP2		FINE	32 points
T8EC1		NPN	16 points
T8EC2	EtherCAT	INFIN	32 points
T8ECP1	Elliercai	PNP	16 points
T8ECP2		FINE	32 points
T8EN1	EtherNet/IP	NPN	16 points
T8EN2		INFIN	32 points
T8ENP1	Luienneuir	PNP	16 points
T8ENP2		1 111	32 points
T8D1		NPN	16 points
T8D2	DeviceNet	141 14	32 points
T8DP1	Devicervet	PNP	16 points
T8DP2		1 11	32 points
T8EB1		NPN	16 points
T8EB2	CC-Link	141 14	32 points
T8EBP1	IEF Basic	PNP	16 points
T8EBP2			32 points
T8EP1		NPN	16 points
T8EP2	PROFINET		32 points
T8EPP1		PNP	16 points
T8EPP2		· · • ·	32 points

N4G2R-T8\*



NP/NAP NVP 4G\*0EJ 4F\*0EX

> Silencer TotAirSys (Total Air) TotAirSys (Gamma)

SKH

Block manifold: Wiring section

4GA/B

M4GA/B

MN4GA/B

4GA/B

(master)

MN3E MN4E

W4GA/B2

W4GB4

MN3S0

MN4S0

4SA/B0

4KA/B

4KA/B

(master)

GMF

PV5S-0 3Q

MV3QR 3MA/B0 3PA/B

P/M/B NP/NAP

4G\*0EJ 4F\*0EX 4F\*0E

HMV HSV 2QV 3QV

SKH Silencer TotAirSys (Total Air)

4F 4F (master) PV5G GMF PV5

4GB With sensor 4GD/E M4GD/E MN4GD/E L. Serial transmission device unit\* The serial transmission device unit may be ordered as a separate item.

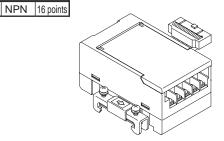
Single unit serial transmission device (adapter) station (connector connection)

4GR - OPP3 - 1G

Code Description

A Wiring method

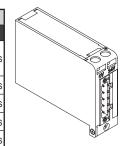
1G T6G1 CC-Link



Single unit serial transmission device (adapter) station (slim slot)

4GR - OPP4 - 1D

Code Description A Wiring method A Wiring method T7D1 NPN 1D DeviceNet 16 points NPN T7G1 CC-Link 1G 16 points 1L T7L1 SAVE NET NPN 16 points 18 T7S1 NPN 16 points CompoNet 1S-P T7SP1 PNP 16 points



Single unit serial transmission device (adapter) station (slim slot)

4GR - OPP7 - 2G

- (2G)

A Wiring method

2EP-P

T8EPP2

	Code	Description				
$\dashv$	<b>A</b> Wiring	method				
d	1G	T8G1		NPN	16 points	
	2G	T8G2	- CC-Link	INPIN	32 points	
	1G-P	T8GP1	1 CC-LINK	PNP	16 points	
	2G-P	T8GP2	]	PINE	32 points	
	1P	T8P1		NPN	16 points	
	2P	T8P2	PROFIBUS-DP	INFIN	32 points	
	1P-P	T8PP1	PROFIBUS-DF	PNP	16 points	
	2P-P	T8PP2	]	PINE	32 points	
	1EC	T8EC1		NPN	16 points	
	2EC	T8EC2	EtherCAT	INPIN	32 points	
	1EC-P	T8ECP1	Ethercar	PNP	16 points	
	2EC-P	T8ECP2	]	PINE	32 points	
	1EN	T8EN1		NPN	16 points	
	2EN	T8EN2	EtherNet/IP	INPIN	32 points	
	1EN-P	T8ENP1	1 Ethernevir	PNP	16 points	
	2EN-P	T8ENP2		PINE	32 points	
	1D	T8D1		NPN	16 points	
	2D	T8D2	- DeviceNet	INPIN	32 points	
	1D-P	T8DP1	Devicemen	PNP	16 points	
	2D-P	T8DP2	]	PINE	32 points	
	1EB	T8EB1		NPN	16 points	
	2EB	T8EB2	CC-Link IEF	INPIN	32 points	
	1EB-P	T8EBP1	Basic	PNP	16 points	
	2EB-P	T8EBP2	1	PINE	32 points	
	1EP	T8EP1		NPN	16 points	
	2EP	T8EP2	PROFINET	INFIN	32 points	
	1EP-P	T8EPP1	PROFINEI	PNP	16 points	
- 1			7	FINE		



32 points

TotAirSys (Gamma) Ending

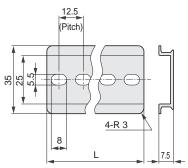
Block manifold: related products

**Related products** 

Mounting rail, silencer, blanking plug, tag plate

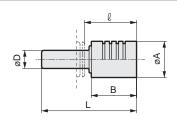
#### Mounting rail

N4GR-BAA [length]



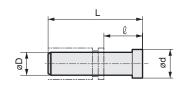
- · Minimum length is 87.5 mm.
- · Select the length at 12.5 mm pitch.
- · Refer to page 308 for details.

#### Silencer



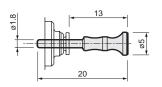
Model No.	D	L	Α	В	l
SLW-H6	ø6	41	16	20	23.5
SLW-H8	ø8	42	16	20	23
SLW-H10	ø10	53	20	27	31.5

#### Blanking plug



Model No.	D	L	l	d
GWP4-B	ø4	27	16	6
GWP6-B	ø6	29	11.5	8
GWP8-B	ø8	33	14	10
GWP10-B	ø10	40	18.5	12

**PG-P2-B** (for Ø1.8)

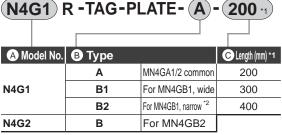


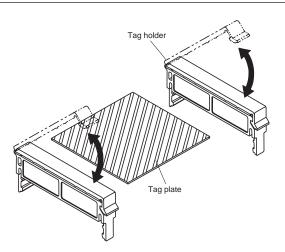
Tag plates are shipped attached to the manifold body. When required, mark a circle in the field for tag plates in the manifold specifications on pages 310 to 313.

# [Tag holder] (N4G1) R -TAG-HOLDER A Model No. N4G1

N4G2 (available in sets of 2.)

## [Tag plate]





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 <u>TotAirSys</u>

(Total Aîr) TotAirSys (Gamma)

<sup>\*1: [</sup>Length] 200, 300 and 400 mm are available. Select according to the product length and cut the resin as required.

<sup>\*2:</sup> With the narrow, manual operation is possible even with the tag plate on. \*3: Tag plates will not be attached when spacers are used in the manifold specifications

<sup>\*4:</sup> When DIN terminal box MN3GA2/MN4GA2 is selected, tag plates will not be attached.

Block manifold: related products

Dimensions: Tag plate



MN4GA/B 4GA/B (master) 4GB With sensor

4GA/B

M4GA/B

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

4G\*0EJ 4F\*0EX

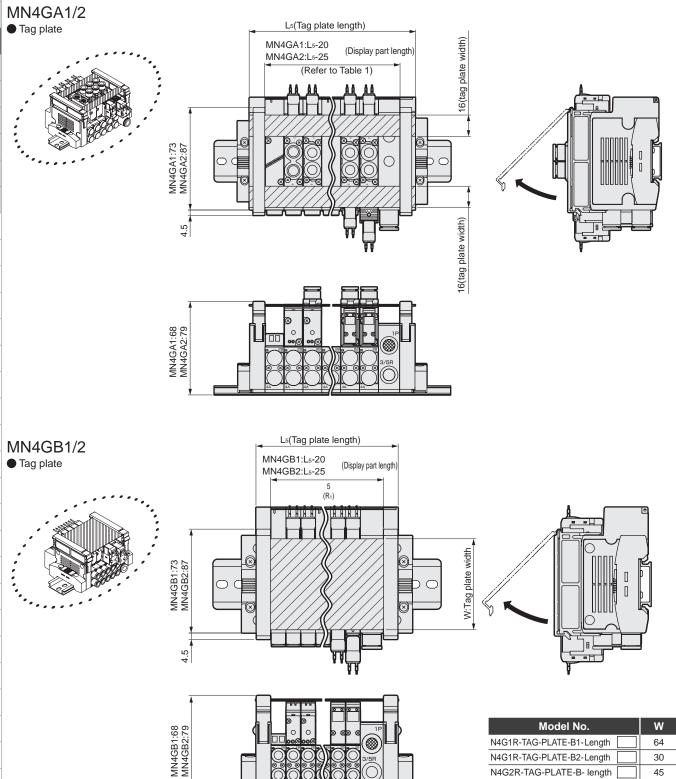
4F\*0E

HMV HSV 2QV 3QV

SKH

Silencer TotAirSys (Total Air) TotAirSys (Gamma)





# Table 1: Formula of L<sub>5</sub> (tag plate length)

MN4GA1	Individual wiring	Ls=(10.5×n)+(16×m)+(10.5×l)+20
MN4GB1	Reduced wiring	L <sub>5</sub> =(10.5×n)+(16×m)+(10.5×l)+25
MN4GA2	Individual wiring	L <sub>5</sub> =(16×n)+(18×m)+(10.5×l)+20
MN4GB2	Reduced wiring	L <sub>5</sub> =(16×n)+(18×m)+(10.5×l)+25

n: Number of valve blocks

m: Number of supply and exhaust blocks

N4G1R-TAG-PLATE-B2-Length

N4G2R-TAG-PLATE-B- length

30

45

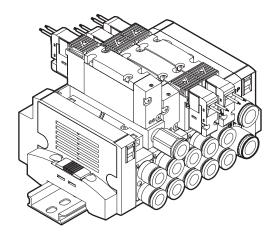
I: Number of partition blocks

## Block manifold; related products

**Related products** 

Air supply spacer

Air supply spacer

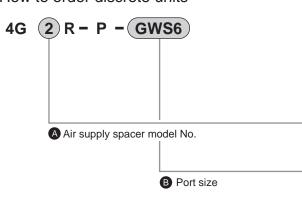


## **Specifications**

Madal Na	P→A/B		/B A/B→R		Weight a
Model No.	C[dm3/(s-bar)]	b	C[dm3/(s-bar)]	b	Weight g
4G1	0.70	0.23	0.93	0.16	8
4G2	1.6	0.17	1.8	0.16	35

- \*1: Values are when a valve is mounted.
- \*2: Effective cross-sectional area S and sonic conductance C are converted as S ≈ 5.0 x C.

How to order discrete units



	0000	000			
$\dashv$	A Air	supply spacer model No.			
	1	For 4G1			
	2	For 4G2			
$\dashv$	В Ро	rt size			
	Blank	M5 (4G1), Rc1/8 (4G2)			
	GWS4	ø4 fitting			
	GWS6	ø6 fitting			
	GWS8	ø8 fitting			
	06N	1/8NPT thread			
	06G	G1/8 thread			

Content

## A Precautions for model selection

- \*1 Specify the positions and quantity of air supply spacers for manifold in the manifold specifications sheet.
- \*2 If the A/B port fitting is elbow, turn the air supply port of the air supply spacer toward the reverse side ("a" solenoid side).
- \*3 If the elbow (upward) A/B port fitting is used for the reduced wiring manifold, the air supply spacer cannot be selected.
- \*4 Combination with the masking plate is not supported.

is not available.

Code

Attached products: 4G1 set screws (2), dedicated gasket (1) 4G2 set screws (2), PR check valves (2), body gasket (1)

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

Model No.

4**GB**1

4**GA1** 

4GA2

4GB2

3Q MV3QR

3MA/B0

3PA/B P/M/B

NVP

4G\*0EJ

4F\*0EX

4F\*0E

HMV HSV

2QV 3QV

SKH

Silencer

TotAirSys (Total Air) TotAirSys (Gamma)

Block manifold: related products

## **Dimensions**

MN4GA/B 4GA/B (master)

4GA/B

M4GA/B

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

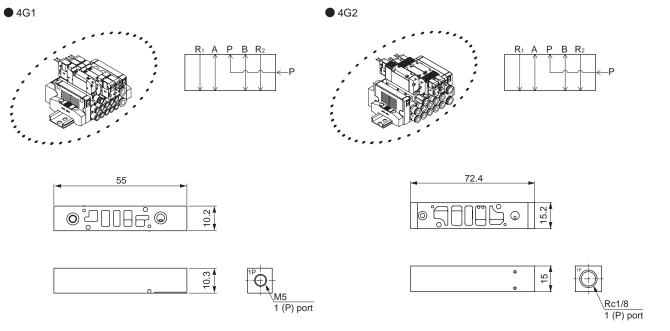
2QV 3QV

SKH

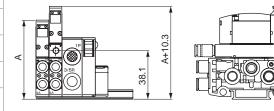
Silencer TotAirSys (Total Air)

TotAirSys (Gamma)

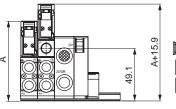
Ending

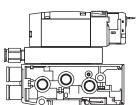


Dimensions when mounted



Dimensions when mounted





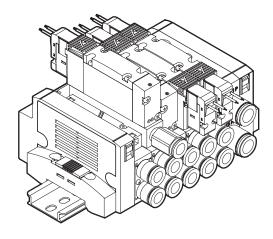
Note: For A dimensions, check the dimensions of the respective specifications.

## Block manifold; related products

**Related products** 

Exhaust spacer

Exhaust spacer

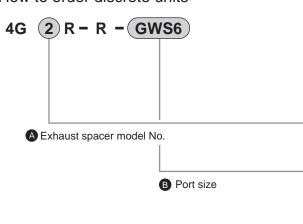


## **Specifications**

Madal Na	P→A/B		A/B	Mainht a	
Model No.	C[dm³/(s·bar)]	b	C[dm³/(s-bar)]	b	Weight g
4G1	0.94	0.28	0.68	0.33	7
4G2	1.5	0.24	1.9	0.24	34

- \*1: Values are when a valve is mounted.
- \*2: Effective cross-sectional area S and sonic conductance C are converted as S  $\approx$  5.0 x C.

How to order discrete units



		4GA1	4GB1	4GA2	4GB2
Code	Content				
A Ex	haust spacer model No.				
1	For 4G1				
2	For 4G2				
В Ро	rt size				
	M5 (4G1), Rc1/8 (4G2)				
	M5 (4G1), Rc1/8 (4G2)				
Blank	M5 (4G1), Rc1/8 (4G2)				
Blank GWS4	M5 (4G1), Rc1/8 (4G2) ø4 fitting ø6 fitting				

## Precautions for model selection

- \*1 Specify the positions and quantity of exhaust spacers for manifold in the manifold specifications sheet.
- \*2 If the A/B port fitting is elbow, turn the exhaust port of the exhaust spacer toward the reverse side ("a" solenoid side).
- \*3 If the elbow upward A/B port fitting is used for the reduced wiring manifold, the exhaust spacer cannot be selected.
- \*4 Combination with the masking plate is not supported.

is not available.

G1/8 thread

Attached products: 4G1 set screws (2), dedicated gasket (1) 4G2 set screws (2), PR check valves (2), body gasket (1) M4GA/B

4GA/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 (master) PV5G GMF

PV5 GMF

PV5S-0

Model No.

3Q MV3QR

3MA/B0

3PA/B

P/M/B

NVP 4G\*0EJ

4F\*0EX

4F\*0E

HMV HSV

2QV 3QV

SKH

Silencer

TotAirSys (Total Air) TotAirSys (Gamma)

Block manifold: related products

4GA/B Dimensions

MAGA/B MN4GA/B 4GA/B (master)

(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 (master) PV5G GMF

PV5 GMF

3Q MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP NVP 4G\*0EJ

4F\*0EX

4F\*0E HMV HSV

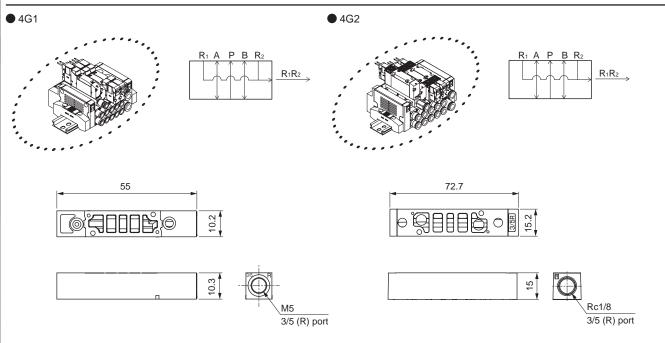
2QV 3QV

SKH

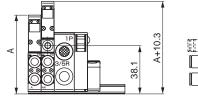
Silencer TotAirSys (Total Air)

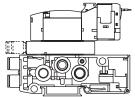
TotAirSys (Gamma)

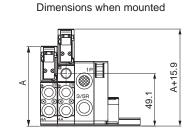
Ending

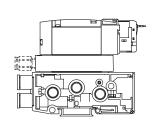


Dimensions when mounted









Note: For A dimensions, check the dimensions of the respective specifications.

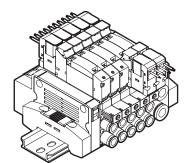
## Block manifold; related products

**Related products** 

In-stop valve spacer

#### In-stop valve spacer

# Specifications



Model	P→A/B		A/B	Weight a	
No.	C[dm³/(s-bar)]	b	C[dm³/(s-bar)]	b	Weight g
4G1	0.54	0.03	0.82	0.27	17
4G2	1.5	0.17	1.6	0.20	63

- \*1: Values with base piping and 2-position valve mounted.
- \*2: The effective cross-sectional area when discharging residual pressure is 1.0 mm² (reference value).
- \*3: Effective cross-sectional area S and sonic conductance C are converted as  $S \approx 5.0 \text{ x C}$ .

Attached products: PR check valve (2), body gasket (1)

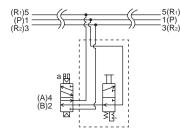
How to order discrete units

4G1R - IS

4G2R - IS

In-stop valve spacer

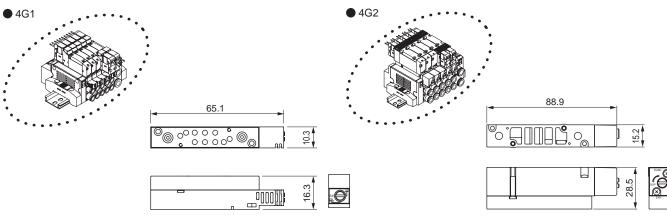




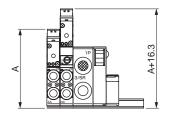
# Precautions for model No. selection

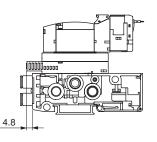
- \*1: Specify the spacer mounting position and quantity in manifold specifications sheet.
- \*2: If the A/B port fitting is the elbow (upward), turn the operation part of the in-stop valve spacer toward the reverse side ("a" solenoid side).
- \*3: If the elbow (upward) A/B port fitting is used for the reduced wiring manifold, the in-stop valve spacer cannot be
- \*4: The in-stop valve spacer cannot be used with the external pilot (K).
- \*5: When retrofitting to the reduced wiring manifold, the existing wiring may be too short. Contact CKD for details.

#### **Dimensions**

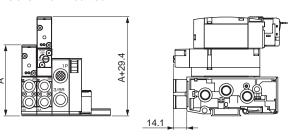


#### Dimensions when mounted





#### Dimensions when mounted



Note: For A dimensions, check the dimensions of the respective specifications.

3PA/B P/M/B

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

(master) PV5G GMF

PV5 GMF

PV5S-0

MV3QR 3MA/B0

3Q

4F

4F

NVP

4G\*0EJ

4F\*0EX 4F\*0E

HMV HSV 2QV 3QV

SKH

Silencer

TotAirSys (Total Air) TotAirSys (Gamma)

Block manifold: related products

Related products

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)

(master)

PV5G

GMF PV5

**GMF** 

PV5S-0

MV3QR

3MA/B0

3PA/B P/M/B

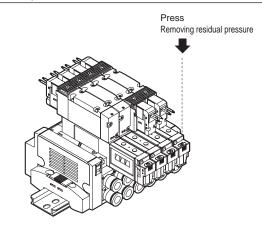
3Q

4F

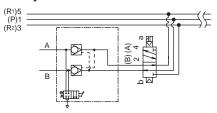
4F

Spacer pilot check valve

Spacer pilot check valve

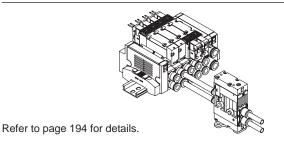


## JIS symbol



Note: Using a cylinder with a large diameter (more than ø50 as a guide) with little exhaust restriction (eg, no speed controller, no silencer) may lead to a decrease in intermediate stop accuracy and stopping error. Please be careful.

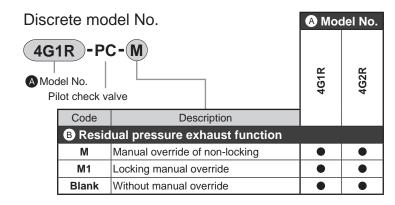
#### Pilot check valve



## **Specifications**

Pilot check valve		4G1R-PC-M	4G2R-PC-M	
Working fluid		Compre	ssed air	
Max. working pressure	MPa	0.7		
Min. working pressure	MPa	0.2	0.1	
Proof pressure	MPa	1.05		
Effective cross-sectional area	mm²	1.6 (Solenoid valve)	3.5 (Solenoid valve)	
Ambient temperature	°C	−5 to 55 (n	o freezing)	
Working fluid temperature	°C	5 to	55	
Lubrication	*1	Not re	quired	
Atmosphere		Cannot be used in corrosive gas environment.		
Weight	g	22	54	

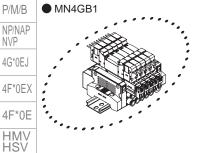
\*1:Use turbine oil Class 1 ISO VG32 for lubrication. Note that excessive lubricant may cause unstable operation.

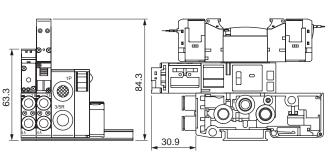


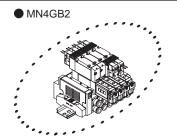
# Precautions for model No. selection

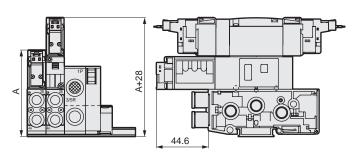
- \*1: Specify the spacer positions in the manifold specifications sheet.
- \*2: Spacer pilot check valve is not available when the fitting for port A/B is elbow.
- \*3: Stacking of spacers is not possible.
- \*4: A spacer cannot be combined with a masking plate.
- \*5: The spacer pilot check valve can be mounted only when the piping method is
- base piping.
  \*6: When adding a spacer to the reduced wiring manifold, the socket assembly lead wire will not reach far enough. Replace the valve block. (Refer to page 289 for details.)

## **Dimensions**









Note: For A dimension, check the Dimensions of the respective specifications.

2QV 3QV

SKH

Silencer

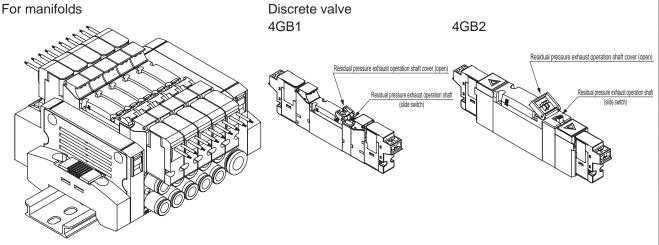
TotAirSys (Total Air) **TotAirSys** 

# MN4GB Series

## Block manifold; related products

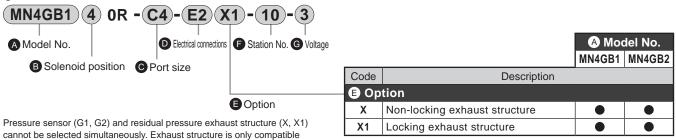
## Related products

Residual pressure exhaust option



# Example of model No.

Block manifold model No.

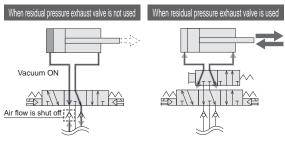


with 4GB1 and 4GB2 valve positions 3 and 4.

\* Refer to How to order for each series for details about model numbers.

## **Applications**

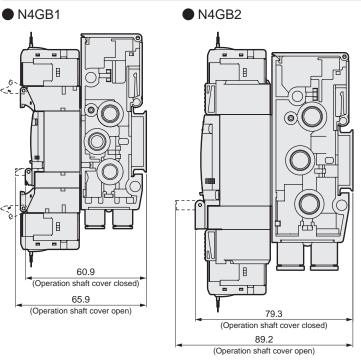
- 3-position all ports closed residual pressure exhaust for emergency stop
- Rod transfer after intermediate cylinder stop for three-position APR connection (with malfunction prevention valve)



The malfunction prevention valve shuts off air flow. The cylinder rod cannot be adjusted.

The residual pressure discharger enables communication with the atmosphere. The cylinder rod can be adjusted.

## **Dimensions**



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

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)

Block manifold; related products

Related products Double wiring (with single spare wiring)

Double wiring (with single spare wiring) (W1)

For manifolds

4GA/B

M4GA/B

MN4GA/B

4GB

4KA/B

(master)

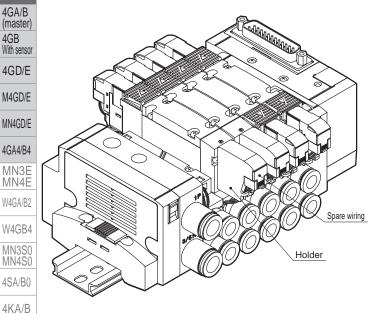
(master)

PV5G GMF PV5 **GMF** PV5S-0

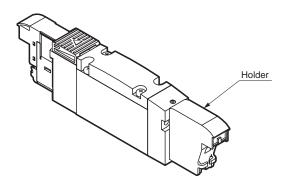
3Q

4F

4F



For discrete valves (2-position single)



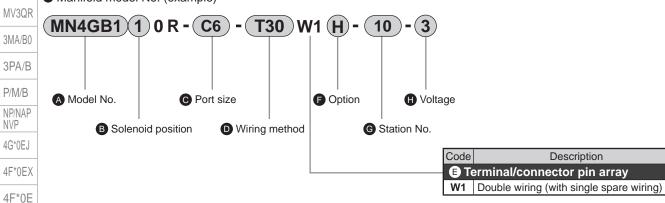
A holder for retaining the socket assembly is included. (Not included for A type sockets.)

This can be used to hold the socket assembly no longer required when changing the valve from a double solenoid to a single solenoid.

Spare wiring (holder and A type socket assembly) is included on the cap side for single solenoid valves. This simplifies the workflow when changing valves from a single solenoid to a double solenoid, as you do not need to prepare the A type socket assembly separately.

## Example of model No.

Manifold model No. (example)



\* Refer to How to order for each series for details about model numbers. Not compatible with combination with port size C\*NC or C\*NO.

HMV HSV 2QV 3QV SKH

Silencer TotAirSys (Total Air) **TotAirSys** 

(Gamma) Ending

Block manifold: related products

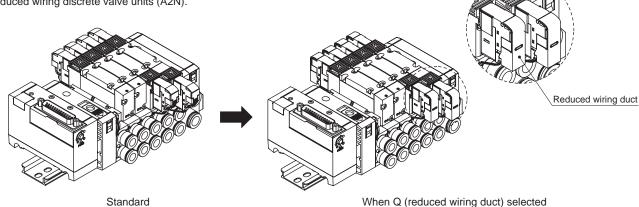
**Related products** 

Reduced wiring duct

#### Reduced wiring duct (Q)

Holds A-connector lead wires.

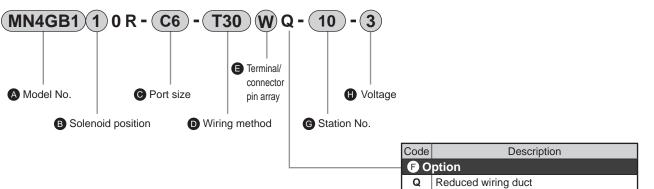
· Can be selected with reduced wiring manifolds (T\* and T\*R) and reduced wiring discrete valve units (A2N).



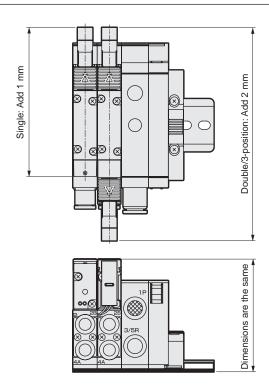
When Q (reduced wiring duct) selected

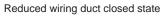
## Example of model No.

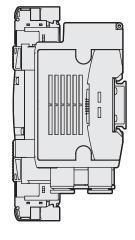
Manifold model No. (example)

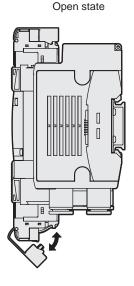


## Dimension lines









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)

Block manifold; related products

# Related parts

4GA/B

M4GA/B MN4GA/B

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

4G\*0EJ 4F\*0EX

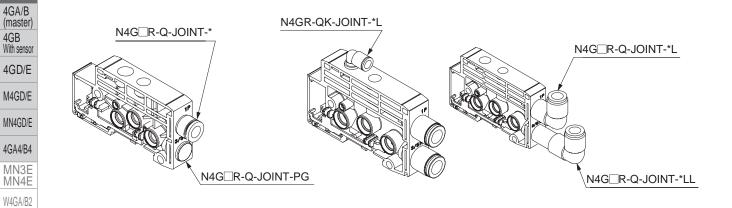
4F\*0E HMV HSV

2QV 3QV

SKH

Silencer

1. MN4G cartridge push-in fitting for supply and exhaust block



1.1 MN4G1 supply and exhaust block, fitting for 1(P), 3/5(R)

	, 3 - ( ), ( )
Bore size	Part model No.
ø6 straight	N4G1R-Q-JOINT-6
ø8 straight	N4G1R-Q-JOINT-8
ø6 elbow	N4G1R-Q-JOINT-6L,6LL
ø8 elbow	N4G1R-Q-JOINT-8L,8LL
ø1/4" straight	N4G1R-Q-JOINT-6N
ø5/16" straight	N4G1R-Q-JOINT-8N
ø1/4" elbow	N4G1R-Q-JOINT-6LN,6LLN
ø5/16" elbow	N4G1R-Q-JOINT-8LN,8LLN
Plug cartridge	N4G1R-Q-JOINT-PG

1.2 MN4G2 supply and exhaust block, fitting for 1(P), 3/5(R)

Bore size	Part model No.
ø8 straight	N4G2R-Q-JOINT-8
ø10 straight	N4G2R-Q-JOINT-10
ø8 elbow	N4G2R-Q-JOINT-8L,8LL
ø10 elbow	N4G2R-Q-JOINT-10L,10LL
ø5/16" straight	N4G2R-Q-JOINT-8N
ø3/8" straight	N4G2R-Q-JOINT-10N
ø5/16" elbow	N4G2R-Q-JOINT-8LN,8LLN
ø3/8" elbow	N4G2R-Q-JOINT-10LN,10LLN
Plug cartridge	N4G2R-Q-JOINT-PG

1.3 MN4G1/2 common, fitting for 12/14(PA)

Part model No.
N4GR-QK-JOINT-6
N4GR-QK-JOINT-6L

TotAirSys (Total Air) TotAirSys (Gamma)