

MN4GD/4GE Series

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 number of stations depends on the wiring method. (Refer to pages 630 and 646.)
- (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.

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

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
GMFPV5
GMF

PV5S-0

3Q

MV3QR

3MA/B0

3PA/B

P/M/B

NP/NAP
NVP

4G*0EJ

4F*0EX

4F*0E

HNV
HSV2QV
3QV

SKH

Silencer

TotAirSys
(Total Air)TotAirSys
(Gamma)

Ending

MN4GD/4GE Series

Block configuration

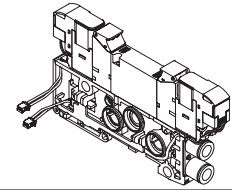
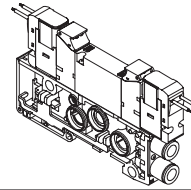
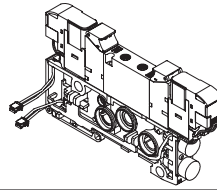
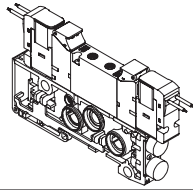
Block manifold configuration

Piping

Piping block

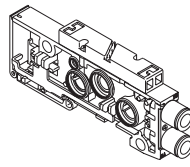
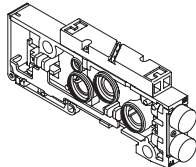
A Discrete valve block with solenoid valve

- For body piping individual wiring
- For body piping reduced wiring
- For base piping individual wiring
- For base piping reduced wiring



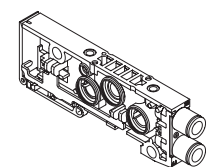
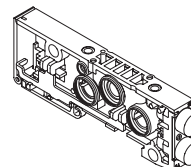
B Discrete valve block with masking plate

- For body piping
- For base piping



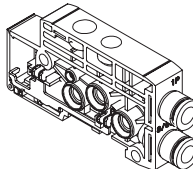
C Discrete valve block

- For body piping
- For base piping



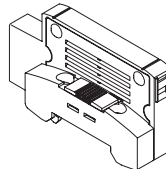
D Supply and exhaust block

- For internal pilot

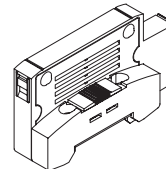


E End block

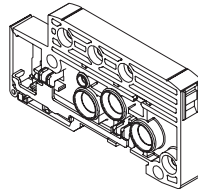
- For left



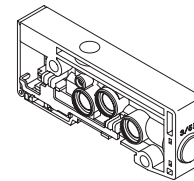
- For right



F Partition block



G Mixed block

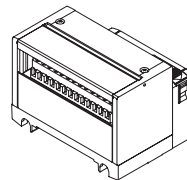
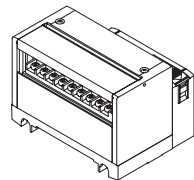


Wiring

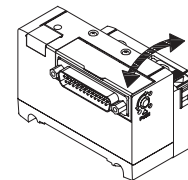
Wiring block

H Common terminal box

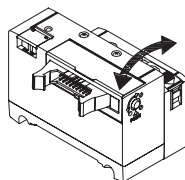
- M3
- Clamping method



I D sub-connector block

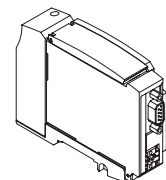
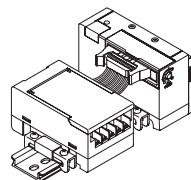


J Flat cable connector block



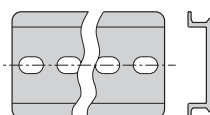
K Serial transmission block

- Connector connection
- Thin slot

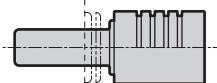


L Related products

- Mounting rail



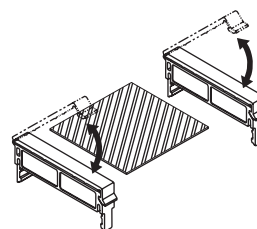
- Silencer



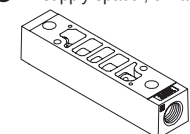
- Blanking plug



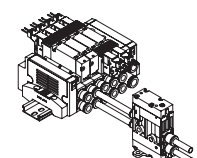
- Tag plate



- Air supply spacer, exhaust spacer



- Pilot check valve



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)
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

MN4GD/4GE Series

Block manifold: Piping section

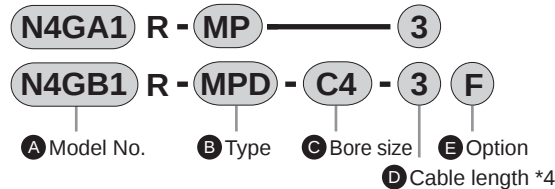
Piping

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 616, base piping individual wiring: page 624, body piping reduced wiring: page 632,
base piping reduced wiring: page 648

B. Discrete valve block with masking plate

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



A Model No.	B Type	C Bore size (for base piping, this must be configured)
N4GA1	MP	For individual wiring
N4GA2	MPS	For reduced wiring single
N4GB1	MPD	For reduced wiring double/3-position
N4GB2		

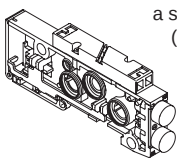
D Cable length *4	E Option
Blank	For individual wiring
Blank	No option
2 to 10	Select the length from page 671.
F	A/B-port filter built in

Single, plug specs	A port	B port
C4NC	ø4 push-in fitting	Plug
C6NC	ø6 push-in fitting	
C8NC	ø8 push-in fitting *2	
C4NO	Plug	ø4 push-in fitting
C6NO		ø6 push-in fitting
C8NO		ø8 push-in fitting *2
CL4NC	ø4 push-in L fitting (upward) *1 *3	Plug
CL6NC	ø6 push-in L fitting (upward) *3	
CL8NC	ø8 push-in L fitting (upward) *2 *3	
CL4NO	Plug	ø4 push-in L fitting (upward) *1 *3
CL6NO		ø6 push-in L fitting (upward) *3
CL8NO		ø8 push-in L fitting (upward) *2 *3
CD4NC	ø4 push-in L fitting (downward) *1	Plug
CD6NC	ø6 push-in L fitting (downward)	
CD8NC	ø8 push-in L fitting (downward) *2	
CD4NO	Plug	ø4 push-in L fitting (downward) *1
CD6NO		ø6 push-in L fitting (downward)
CD8NO		ø8 push-in L fitting (downward) *2

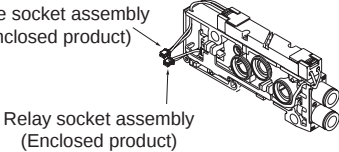
*4: A socket assembly is attached with purchases for reduced wiring station expansion.
Select a cable length from the following page and fill in the **D** cable length field. If ordering with the manifold specifications sheet, the cable length can be omitted.

*1: Only compatible with 4GB1.
*2: Only compatible with 4GB2.
*3: The push-in L fitting (upward) is only compatible with single solenoids.

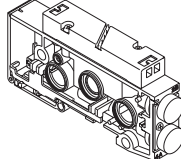
N4GA1R-MP



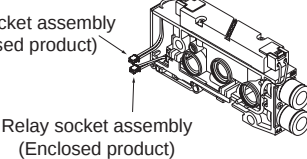
N4GB1R-MPD-C4-3



N4GA2R-MP



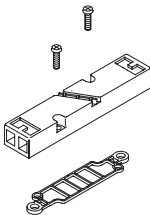
N4GB2R-MPD-C6-5



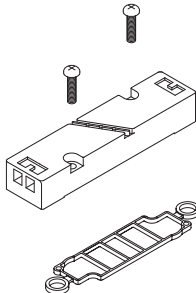
B-1. Masking plate



4G1R-MP



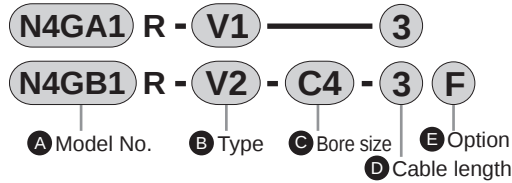
4G2R-MP



Piping

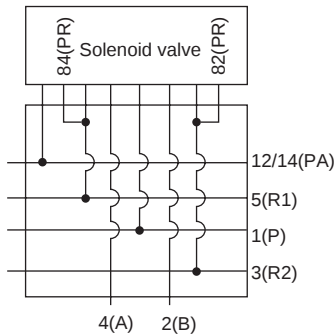
C. Discrete valve block (separate item only)

Discrete valve block (split resin base).



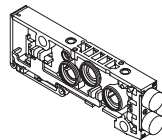
A Model No.	B Type	C Bore size (for base piping, this must be configured)			
N4GA1	V1	C4	ø4 push-in fitting	Single, plug specs	
N4GA2		C6	ø6 push-in fitting	CL4NO	
N4GB1		C8	ø8 push-in fitting *2	CL6NO	Plug
N4GB2		CL4	ø4 push-in L fitting (upward) *1 *3	CL8NO	
		CL6	ø6 push-in L fitting (upward) *3	CL4NC	ø4 push-in L fitting (upward) *1 *3
		CL8	ø8 push-in L fitting (upward) *2 *3	CL6NC	ø6 push-in L fitting (upward) *3
		CD4	ø4 push-in L fitting (downward) *1	CL8NC	ø8 push-in L fitting (upward) *2 *3
		CD6	ø6 push-in L fitting (downward)	CL4NO	ø4 push-in L fitting (downward) *1 *3
		CD8	ø8 push-in L fitting (downward) *2	CL6NO	ø6 push-in L fitting (downward) *3
			Single, plug specs		
			A port		B port
		C4NC	ø4 push-in fitting	CD4NC	ø4 push-in L fitting (downward) *1
		C6NC	ø6 push-in fitting	CD6NC	ø6 push-in L fitting (downward)
		C8NC	ø8 push-in fitting *2	CD8NC	ø8 push-in L fitting (downward) *2
		C4NO	ø4 push-in fitting	CD4NO	ø4 push-in L fitting (downward) *1
		C6NO	Plug	CD6NO	ø6 push-in L fitting (downward)
		C8NO	ø8 push-in fitting *2	CD8NO	ø8 push-in L fitting (downward) *2

D Cable length	E Option
Blank	Blank No option
2 to 10	F A/B-port filter built in
Select a length from the following	

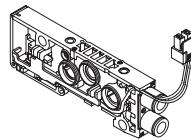


Discrete valve block circuit diagram

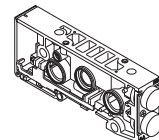
N4GA1R-V1



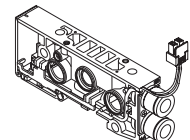
N4GB1R-V2-C4



N4GA2R-V1



N4GB2R-V2-C6



*1: Only compatible with 4GB1.

*2: Only compatible with 4GB2.

*3: The push-in L fitting (upward) is only compatible with single solenoids.

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

$$W = (10.5x_n) + (16x_m) + (10.5x_l)$$

• For MN4G2

$$W = (16x_n) + (18x_m) + (10.5x_l)$$

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

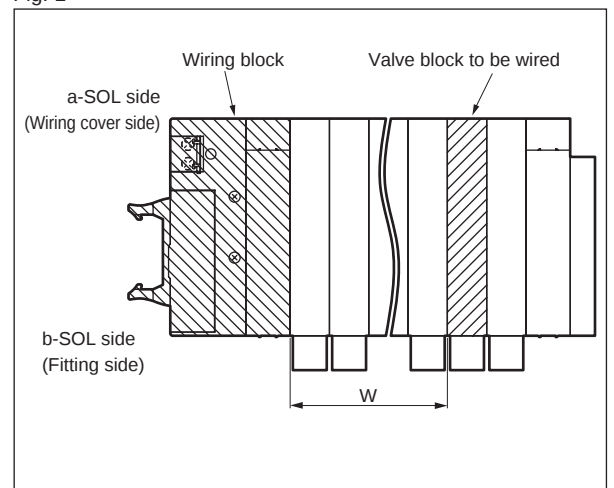
• For MN4GX

Calculate W using the mix block width of 16.

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

Selection No.	Type of wiring		
	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

Fig. 1



MN4GD/4GE Series

Block manifold: Piping section

Piping

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

D. Supply and exhaust block

The supply and exhaust block can be installed at any position adjacent to the valve block.
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.
In order to prevent foreign matter from entering, the P-port is equipped with a filter.

N4G1R - Q - 8 X

Model No. A Type B Bore size C Exhaust

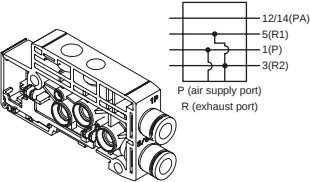
A Type		B Bore size		C Exhaust	
Q	Internal pilot	6	ø6 push-in fitting	Blank	Common exhaust
		6L	ø6 push-in fitting upward	X	Atmospheric release
		6D	ø6 push-in fitting down		(For X, configure atmosphere release for the end block.)
		8	ø8 push-in fitting		
		8L	ø8 push-in fitting upward		
		8D	ø8 push-in fitting down		

N4G2R - Q - 10L X

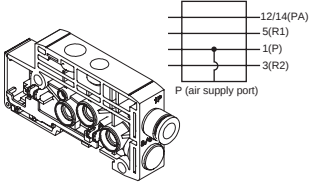
Model No. A Type B Bore size C Exhaust

A Type		B Bore size		C Exhaust	
Q	Internal pilot	8	ø8 push-in fitting	Blank	Common exhaust
		8L	ø8 push-in fitting upward	X	Atmospheric release
		8D	ø8 push-in fitting down		(For X, configure atmosphere release for the end block.)
		10	ø10 push-in fitting		
		10L	ø10 push-in fitting upward		
		10D	ø10 push-in fitting down		

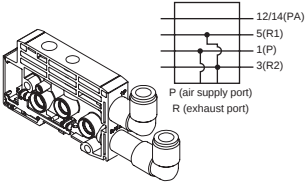
N4G1R-Q-8



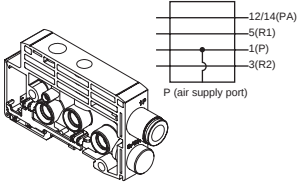
N4G1R-Q-8X



N4G2R-Q-10L



N4G2R-Q-10X



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.

N4G1R - E R

Model No. A Type B Installation position

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

Common exhaust

Atmosphere release

X	12/14(PA)	X	12/14(PA)
X	5(R1)	X	5(R1)
X	1(P)	X	1(P)
X	3(R2)	X	3(R2)

N4G2R - EX L

Model No. A Type B Installation position

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

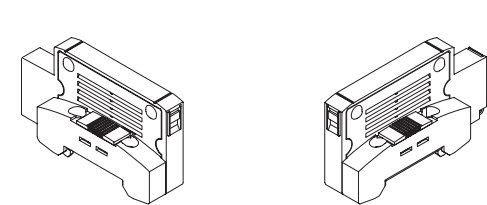
Common exhaust

Atmosphere release

X	12/14(PA)	X	12/14(PA)
X	5(R1)	X	5(R1)
X	1(P)	X	1(P)
X	3(R2)	X	3(R2)

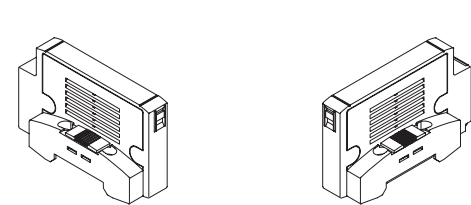
N4G1R-EL

N4G1R-ER



N4G2R-EL

N4G2R-ER



Piping

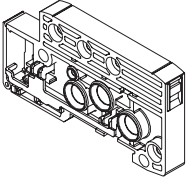
F. Partition block

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

N4G1R - S

Model No. A Type

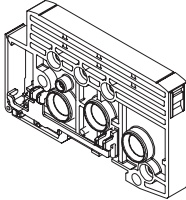
A Type	
SA	P/R/PA blocked
S	P/R blocked PA through
SP	P blocked R/PA through
SE	R blocked P/PA through



N4G2R - SA

Model No. A Type

A Type	
SA	P/R/PA blocked
S	P/R blocked PA through
SP	P blocked R/PA through
SE	R blocked P/PA through



-SA

X

X

X

X

12/14(PA)
5(R1)
1(P)
3(R2)

-S

X

X

X

X

12/14(PA)
5(R1)
1(P)
3(R2)

-SP

X

12/14(PA)
5(R1)
1(P)
3(R2)

-SE

X

X

X

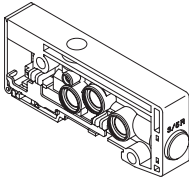
X

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



12/14(PA)
5(R1)
1(P)
3(R2)

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

MN4GD/4GE Series

Block manifold: Wiring section

Wiring

Wiring block cannot be ordered as a single item.

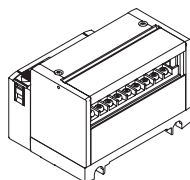
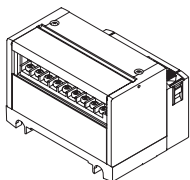
* "Wiring block" is the overall term for H. common terminal blocks, I. D-sub-connector blocks, J. flat cable connector blocks, and K. serial transmission blocks.

H. Common terminal box

M3 thread specifications

N4G1R-T10

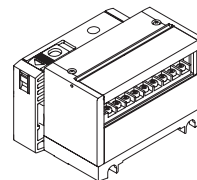
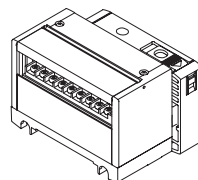
N4G1R-T10R



M3 thread specifications

N4G2R-T10

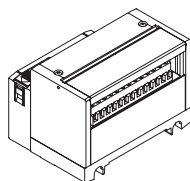
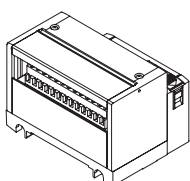
N4G2R-T10R



Clamping specifications

N4G1R-T11

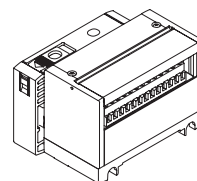
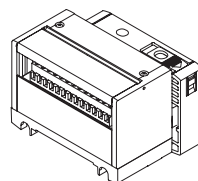
N4G1R-T11R



Clamping specifications

N4G2R-T11

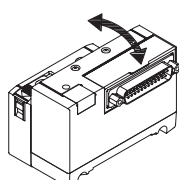
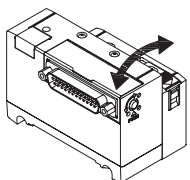
N4G2R-T11R



I. D sub-connector block

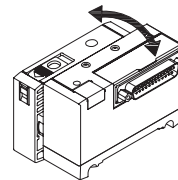
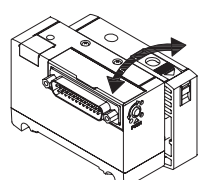
N4G1R-T30

N4G1R-T30R



N4G2R-T30

N4G2R-T30R



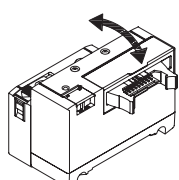
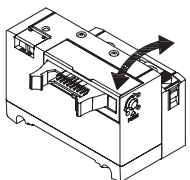
* Refer to page 819 for the model No. of cables with D sub-connector.

J. Flat cable connector block

● With power supply terminal

N4G1R-T50

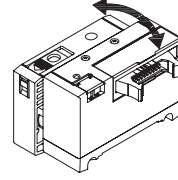
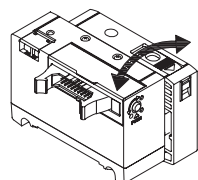
N4G1R-T50R



● With power supply terminal

N4G2R-T50

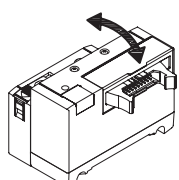
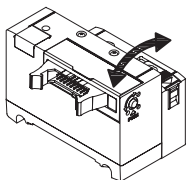
N4G2R-T50R



● Without power supply terminal

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

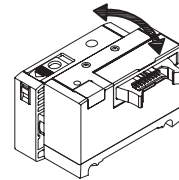
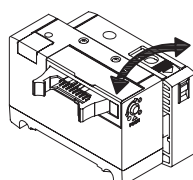
N4G1R-T51R(N4G1R-T52R)
(N4G1R-T53R)



● Without power supply terminal

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

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



* The appearance of the connector unit varies with T52 and T53.

Wiring

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

K. Serial transmission block

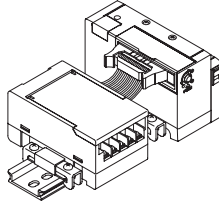
● Connector type

N4G1R - T6G1

Model No. **A** Type

A Type			
T6G1	CC-Link	NPN	16 points

N4G1R-T6*

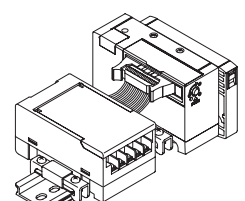


N4G2R - T6G1

Model No. **A** Type

A Type			
T6G1	CC-Link	NPN	16 points

N4G2R-T6*



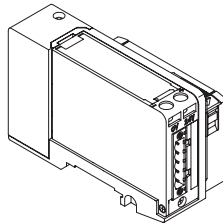
● Slim slot

N4G1R - T7D1

Model No. **A** Type

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

N4G1R-T7*

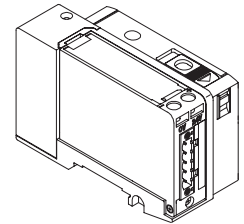


N4G2R - T7G1

Model No. **A** Type

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

N4G2R-T7*



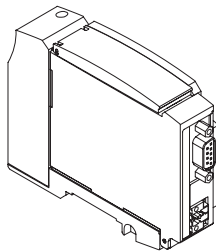
● Single unit serial transmission device (adapter) station (slim slot)

N4G1R - T8G1

A Wiring method

A Wiring method			
T8G1	CC-Link	NPN	16 points
T8G2			32 points
T8GP1		PNP	16 points
T8GP2			32 points
T8P1	PROFIBUS-DP	NPN	16 points
T8P2			32 points
T8PP1		PNP	16 points
T8PP2			32 points
T8EC1	EtherCAT	NPN	16 points
T8EC2			32 points
T8ECP1		PNP	16 points
T8ECP2			32 points
T8EN1	EtherNet/IP	NPN	16 points
T8EN2			32 points
T8ENP1		PNP	16 points
T8ENP2			32 points
T8D1	DeviceNet	NPN	16 points
T8D2			32 points
T8DP1		PNP	16 points
T8DP2			32 points
T8EB1	CC-Link	NPN	16 points
T8EB2			32 points
T8EBP1		PNP	16 points
T8EBP2			32 points
T8EP1	PROFINET	NPN	16 points
T8EP2			32 points
T8EPP1		PNP	16 points
T8EPP2			32 points

N4G1R-T8*

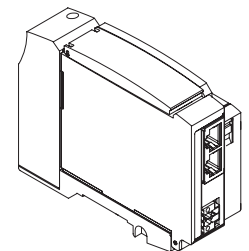


N4G2R - T8G1

A Wiring method

A Wiring method			
T8G1	CC-Link	NPN	16 points
T8G2			32 points
T8GP1		PNP	16 points
T8GP2			32 points
T8P1	PROFIBUS-DP	NPN	16 points
T8P2			32 points
T8PP1		PNP	16 points
T8PP2			32 points
T8EC1	EtherCAT	NPN	16 points
T8EC2			32 points
T8ECP1		PNP	16 points
T8ECP2			32 points
T8EN1	EtherNet/IP	NPN	16 points
T8EN2			32 points
T8ENP1		PNP	16 points
T8ENP2			32 points
T8D1	DeviceNet	NPN	16 points
T8D2			32 points
T8DP1		PNP	16 points
T8DP2			32 points
T8EB1	CC-Link	NPN	16 points
T8EB2			32 points
T8EBP1		PNP	16 points
T8EBP2			32 points
T8EP1	PROFINET	NPN	16 points
T8EP2			32 points
T8EPP1		PNP	16 points
T8EPP2			32 points

N4G2R-T8*



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 N/P
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

MN4GD/4GE Series

Block manifold: Wiring section

4GA/B

Wiring

(Wiring block)

M4GA/B

K. Serial transmission block

* The serial transmission device unit may be ordered as a separate item.

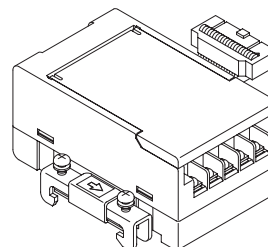
MN4GA/B

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

4GR - OPP3 - 1G

A Wiring method

Code	Description				
A Wiring method					
1G	T6G1	CC-Link	NPN	16 points	



4GA/B (master)

4GB

With sensor

4GD/E

M4GD/E

MN4GD/E

4GA4/B4

MN3E

MN4E

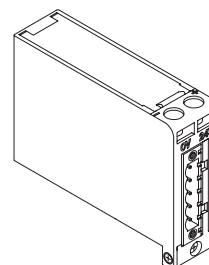
W4GA/B2

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

4GR - OPP4 - 1D

A Wiring method

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



MN3S0

MN4S0

4SA/B0

4KA/B

4KA/B (master)

4F

4F (master)

PV5G

GMF

PV5

GMF

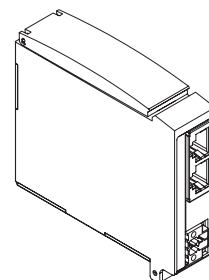
PV5S-0

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

4GR - OPP7 - 2G

A Wiring method

Code	Description			
A Wiring method				
1G	T8G1	CC-Link	NPN	16 points
2G	T8G2			32 points
1G-P	T8GP1		PNP	16 points
2G-P	T8GP2			32 points
1P	T8P1	PROFIBUS-DP	NPN	16 points
2P	T8P2			32 points
1P-P	T8PP1		PNP	16 points
2P-P	T8PP2			32 points
1EC	T8EC1	EtherCAT	NPN	16 points
2EC	T8EC2			32 points
1EC-P	T8ECP1		PNP	16 points
2EC-P	T8ECP2			32 points
1EN	T8EN1	EtherNet/IP	NPN	16 points
2EN	T8EN2			32 points
1EN-P	T8ENP1		PNP	16 points
2EN-P	T8ENP2			32 points
1D	T8D1	DeviceNet	NPN	16 points
2D	T8D2			32 points
1D-P	T8DP1		PNP	16 points
2D-P	T8DP2			32 points
1EB	T8EB1	CC-Link IEF Basic	NPN	16 points
2EB	T8EB2			32 points
1EB-P	T8EBP1		PNP	16 points
2EB-P	T8EBP2			32 points
1EP	T8EP1	PROFINET	NPN	16 points
2EP	T8EP2			32 points
1EP-P	T8EPP1		PNP	16 points
2EP-P	T8EPP2			32 points



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)

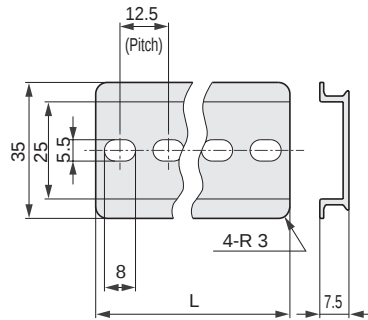
Ending

Related products

Mounting rail, silencer, blanking plug, tag plate

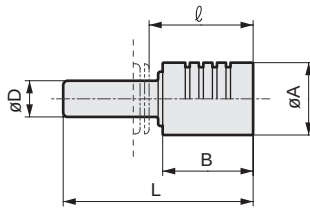
● Mounting rail

N4GR-BAA [length]



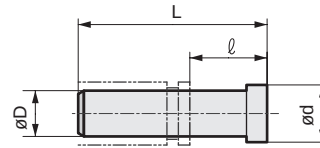
- Minimum length is 87.5 mm.
- Select the length at 12.5 mm pitch.
- Refer to page 685 for details.

● Silencer



Model No.	D	L	A	B	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	11	6
GWP6-B	ø6	29	11.5	8
GWP8-B	ø8	33	14	10
GWP10-B	ø10	40	18.5	12

● 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 687 to 690.

[Tag holder]

N4G1 R-TAG-HOLDER

A Model No.

N4G1

N4G2

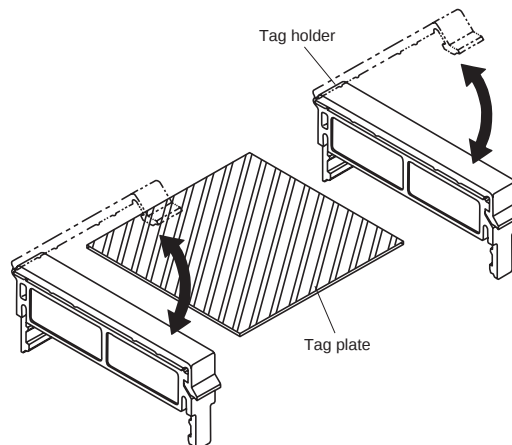
(available in sets of 2.)

[Tag plate]

N4G1 R-TAG-PLATE- **A** - 200^{*1}

A Model No.	B Type	C Length (mm) ^{*1}
N4G1	A	For MN4GD1/2 common
	B1	For MN4GE1, wide
	B2	For MN4GE1, narrow ^{*2}
N4G2	B	For MN4GE2

- ^{*1}: [Length] 200, 300 and 400 mm are available. Select according to the product length and cut the resin as required.
- ^{*2}: With the narrow type, 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.
- ^{*4}: When DIN terminal box MN3GD2/MN4GD2 is selected, tag plates will not be attached.



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

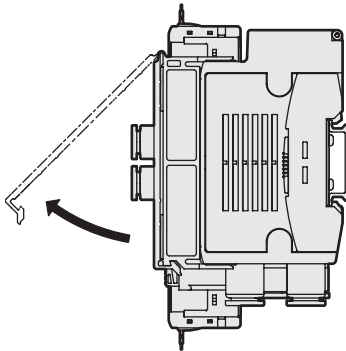
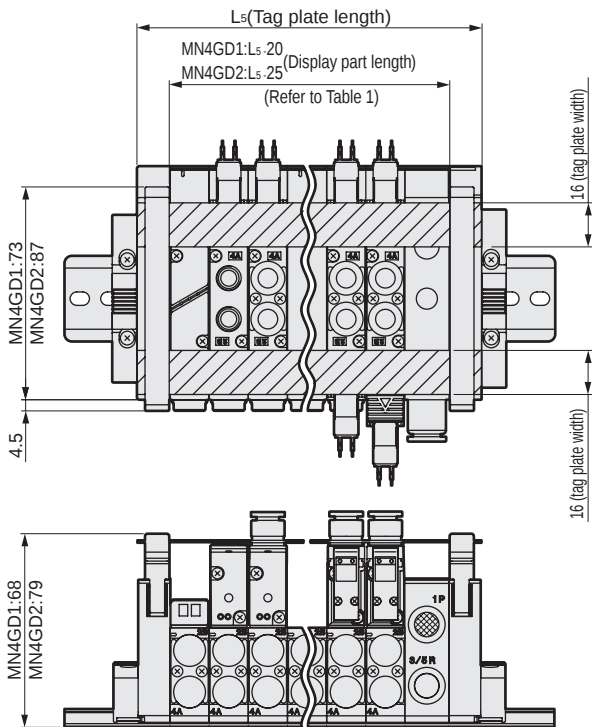
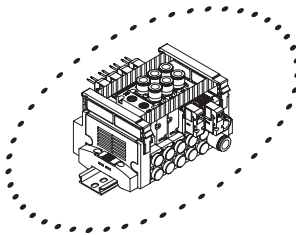
MN4GD/4GE Series

Block manifold; related products

Dimensions: Tag plate

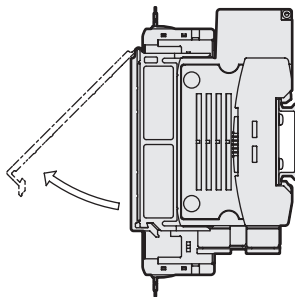
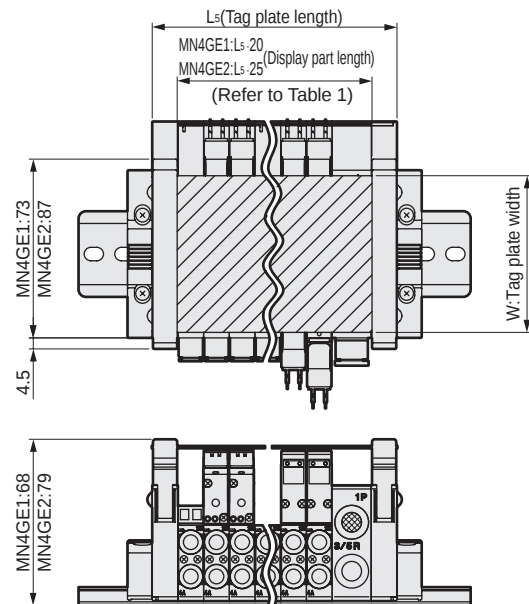
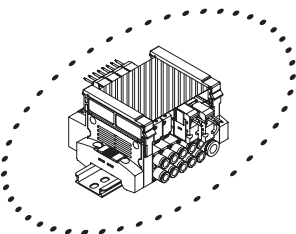
MN4GD1/2

● Tag plate



MN4GE1/2

● Tag plate



Model No.	W
N4G1R-TAG-PLATE-B1- Length	64
N4G1R-TAG-PLATE-B2- Length	30
N4G2R-TAG-PLATE-B- Length	45

Table 1: L₅ Formula for (tag plate length)

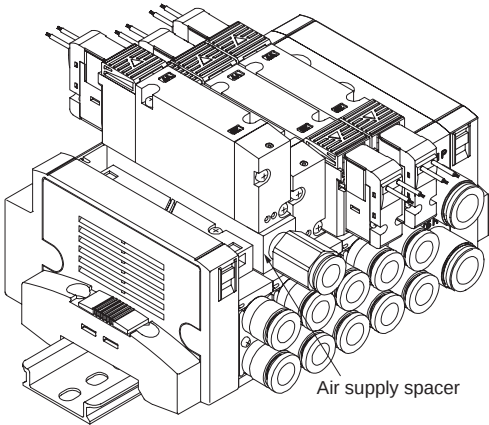
MN4GD			
MN4GD1	Individual wiring	$L_5 = (10.5 \times n) + (16 \times m) + (10.5 \times l) + 20$	
MN4GE1	Reduced wiring	$L_5 = (10.5 \times n) + (16 \times m) + (10.5 \times l) + 25$	
MN4GD2	Individual wiring	$L_5 = (16 \times n) + (18 \times m) + (10.5 \times l) + 20$	
MN4GE2	Reduced wiring	$L_5 = (16 \times n) + (18 \times m) + (10.5 \times l) + 25$	

n : No. of valve blocks
m : No. of supply and exhaust blocks
l : No. of partition blocks

Related products

Air supply spacer

- Air supply spacer



Specifications

Model No.	P→A/B		A/B→R		Weight g
	C[dm³/(s·bar)]	b	C[dm³/(s·bar)]	b	
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 $S \approx 5.0 \times C$.

How to order discrete units

4G 2 R - P - GWS6

A Air supply spacer model No.

B Port size

		Model No.			
		4GD1	4GE1	4GD2	4GE2
A Air supply spacer model No.					
1	For 4G1	●			
2	For 4G2			●	
B Port size					
Blank	M5 (4G1), Rc1/8 (4G2)	●		●	
GWS4	ø4 fitting	●			
GWS6	ø6 fitting	●		●	
GWS8	ø8 fitting				●

is not available.

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

⚠ 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.

- 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

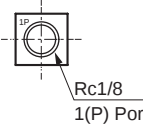
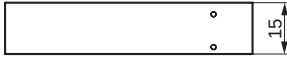
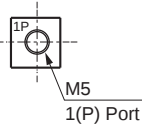
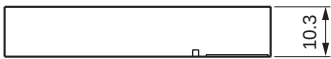
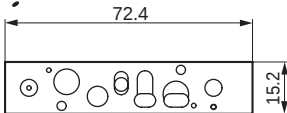
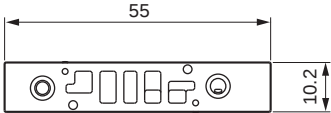
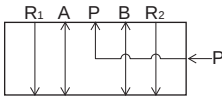
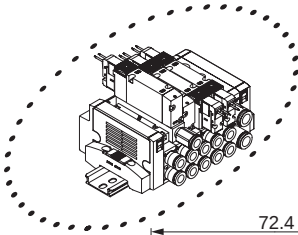
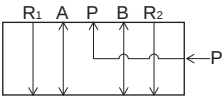
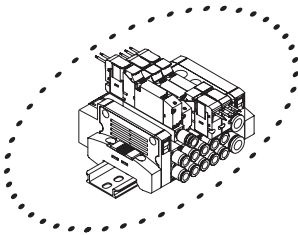
MN4GD/4GE Series

Block manifold; related products

Dimensions

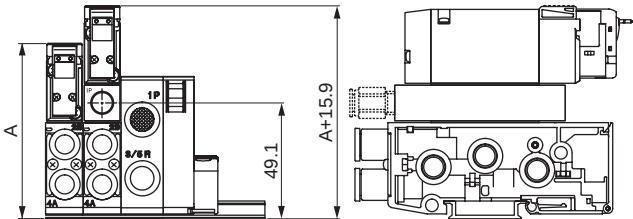
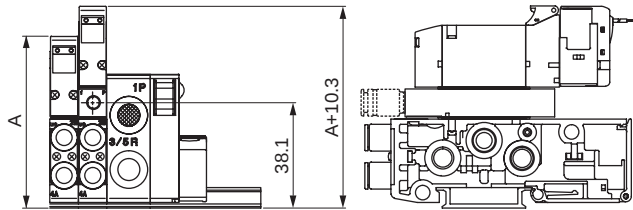
● 4G1

● 4G2



Dimensions when mounted

Dimensions when mounted

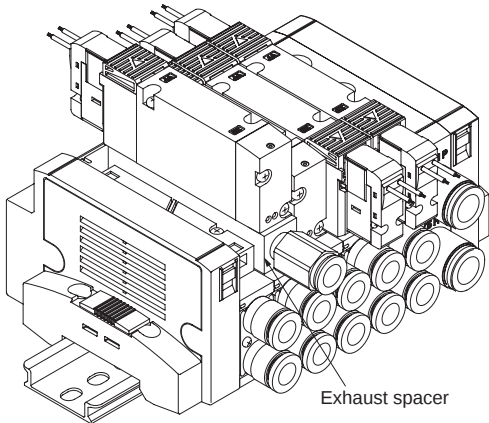


Note: For A dimensions, check the dimensions of the respective specifications.

Related products

Exhaust spacer/pilot check valve

● Exhaust spacer



Specifications

Model No.	P→A/B		A/B→R		Weight g
	C[dm³/(s·bar)]	b	C[dm³/(s·bar)]	b	
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 $S \approx 5.0 \times C$.

How to order discrete units

4G 2 R - R - GWS6

A Exhaust spacer model No.

B Port size

		Model No.			
		4GD1	4GE1	4GD2	4GE2
A Exhaust spacer model No.					
1	For 4G1	●			
2	For 4G2			●	
B Port size					
Blank	M5 thread (4G1), Rc thread (4G2)	●		●	
GWS4	ø4 fitting	●			
GWS6	ø6 fitting	●		●	
GWS8	ø8 fitting				●

is not available.
Attachments: 4G1 set screws (2), dedicated gasket (1)
4G2 set screws (2), PR check valves (2), body gasket (1)

- ⚠ 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.

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

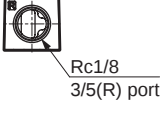
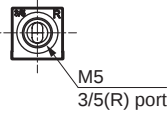
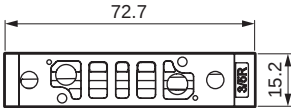
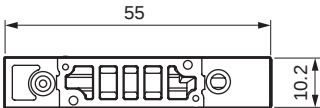
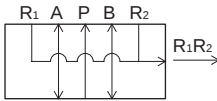
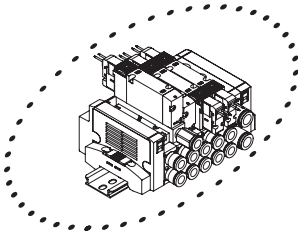
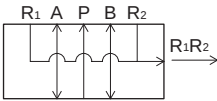
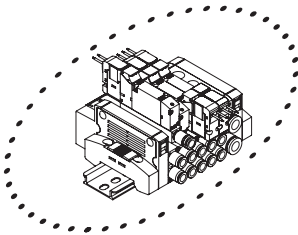
MN4GD/4GE Series

Block manifold; related products

Dimensions

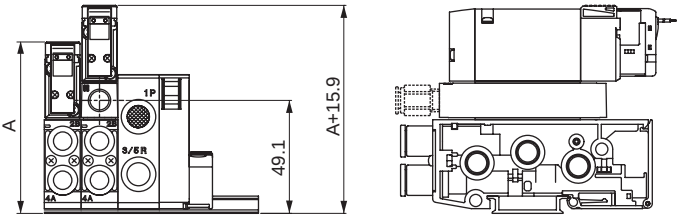
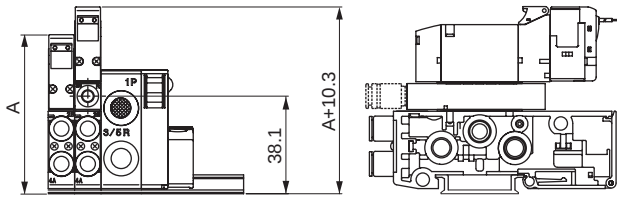
● 4G1

● 4G2



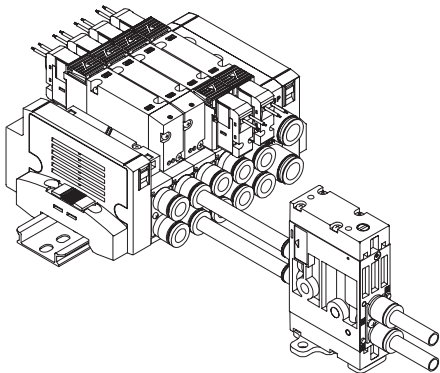
Dimensions when mounted

Dimensions when mounted



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

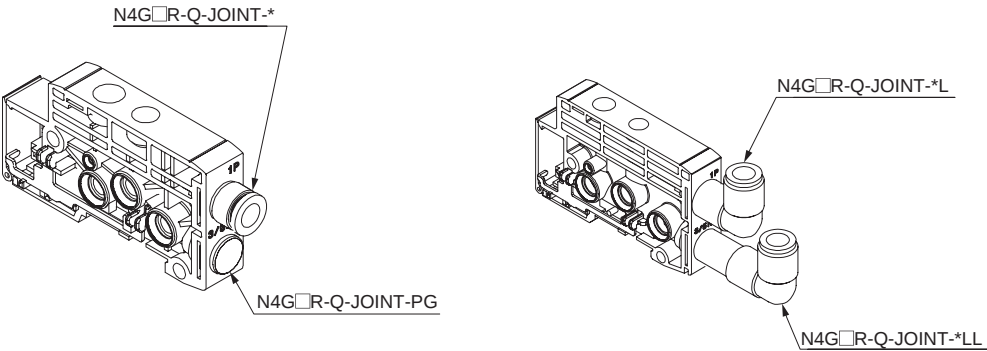
● Pilot check valve



Refer to page 581 for details.

Related parts

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)

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
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
Plug cartridge	N4G2R-Q-JOINT-PG

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