

Ecological pneumatic valves.

Ecological, reliable and flexible.

Small, high performance 3, 5 port pneumatic valve 4G series (metal base type),

G Ecological grade up

No painting (MN4G series)

No particle occurrence caused by pealed paint.

Material name is displayed (MN4G series).

Considering recycle etc., materials names are stamped on main parts.



G Safety grade up

Miss-operation prevention mechanism provided for connection key (MN4G series)

Connection key stored in block of cover. Closing cover automatically interlocks connection keys.



Metal base manifold
M4G_B^A1/2/3 Series

Block manifold
MN4G_B^A1/2

G Flexibility grade up

Flexible block construction

Mix manifold of 4G1/2 and multi-pressure use are available.

Block manifold
MN4G_B^AX12

Flexible increase/decrease of station No.

G Easy operation grade up

For serial transmission, slot in and small size slave unit OPP4 is used (MN4G series).

Footprint dramatically reduced.

Body porting and sub base porting types are available.

TAG name plate is available (MN4G series).

For descriptions of solenoid valve type, circuit etc.

10mm small size with high performance

4G Series			MN4G Series		
Series	Width	C (dm ³ / (s·bar))	Series	Width	C (dm ³ / (s·bar))
4G1	10mm	0.7	MN4G1	10.5mm	0.72
4G2	15mm	1.7	MN4G2	16mm	1.7
4G3	18mm	2.6			

(Flow characteristics C when check valve integrated)

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MN4G series (block manifold type).

G Reliability grade up

New sliding structure accumulating valve technology results in remarkable advance in service life, reliability and response time.

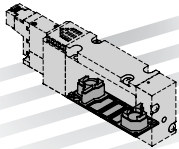
Protective cover provided

Miss-operation by external force etc. prevented. Once locked, protective cover is never closed. PAT.



Check valve integrated

Preventing back pressure of single acting cylinder. Cylinder malfunction is prevented. Check valve is incorporated in pilot and main exhaust ports. PAT.



Air supplying port filter provided

Foreign matter entry is prevented. Also provided to cylinder port (option).

Response time 12ms ± 2ms (CKD comparison for 4G1 series)

New sliding structure results in remarkable advance in service life, reliability and response time.

Service life 60 millions cycles or over

Over 60 millions cycles guaranteed by strict endurance test according to CKD standard. (5 port valve data at clean air 0.5MPa)

Tool not required manual override

Easy manual operation by a finger. Locking/non-locking common type.

Metal base 4GA/4GB Series

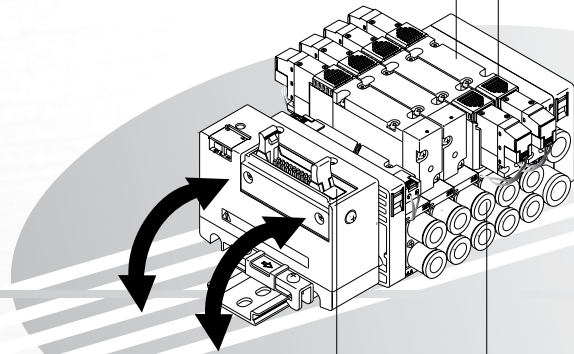
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Block manifold MN4GA/MN4GB Series

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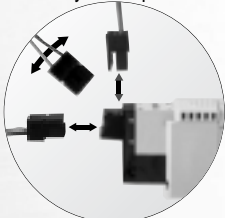
Master valve 4GA/4GB Series

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Wiring connector upward/lateral common

Upward and lateral connector can be switched by insert position. PAT.



Easily replaced push in joint

Reduced wiring connector upward/lateral type

MN3E0
MN4E0
4GA/B
M4GA/B
MN4GA/B
4GA/B (Master)
W4GA/B2
W4GB4
MN3S0
MN4S0
4TB
4L2-4/LMF0
4SA/B0
4SA/B1
4KA/B
4F
PV5G/CMF
PV5/CMF
3MA/B0
3PA/B
P/M/B
NP/NAP/NVP
4F*0E
HMV
HSV
2QV
3QV
SKH
PCD/FS/FD
Ending

3, 5 port pilot operated valve