

Discrete valve
Base piping

3GB1, 2 & 4GB1, 2, 3 Series

● Applicable cylinder bore size: $\phi 20$ to $\phi 100$

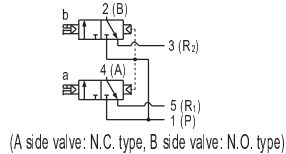


Refer to Ending for details.

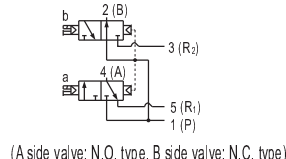


JIS symbol

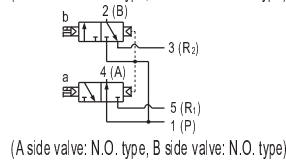
- Dual 3 port valve integrated type
(A side valve: N.C. type, B side valve: N.C. type)



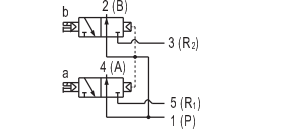
(A side valve: N.C. type, B side valve: N.O. type)



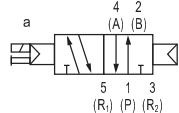
(A side valve: N.O. type, B side valve: N.O. type)



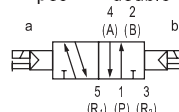
(A side valve: N.O. type, B side valve: N.O. type)



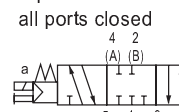
- 5 port valve
2-position single



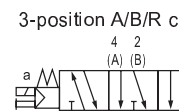
2-position double



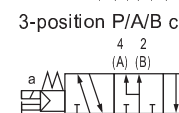
3-position
all ports closed



3-position A/B/R connection



3-position P/A/B connection



Common specifications

Descriptions	
Valve type and operation	Pilot operated soft spool valve
Working fluid	Compressed air
Max. working pressure MPa	0.7
Min. working pressure MPa	0.2 (Note 3)
Proof pressure MPa	1.05
Ambient temperature °C	-5 to 55 (no freezing)
Fluid temperature °C	5 to 55
Manual operating device	Non-locking/locking common type (standard)
Pilot exhaust	Internal pilot
method	External pilot
Lubrication	Note 1
Degree of protection	Note 2
Vibration resistance	m/s ²
Shock resistance	m/s ²
Atmosphere	Containing corrosive gas is not permissible

Note 1 Use the turbine oil Class 1 ISO VG32 if lubricated. Excessive or intermittent lubrication results in unstable operation.

Note 2 Avoid water drops or oil, etc. during use.

IP65 (jet-proof type) applies for DIN terminal box specifications. Note that the specified adaptive cord outer diameter and tightening torque must be used for fixing.

Note 3 The working pressure range is 0 to 0.7 MPa when the external pilot (option symbol: K) is selected. Set the external pilot pressure between 0.2 and 0.7 MPa.

Individual specifications

Port size		3GB1 & 4GB1	3GB2 & 4GB2	4GB3
Rc thread	A/B port	Rc1/8	Rc1/4	Rc1/4, Rc3/8
	P/R1/R2 port	Rc1/8	Rc1/4	Rc1/4, Rc3/8
NPT thread (Note 5)	A/B port	1/8NPT	1/4NPT	1/4NPT, 3/8NPT
	P/R1/R2 port	1/8NPT	1/4NPT	1/4NPT, 3/8NPT
G thread (Note 5)	A/B port	G1/8	G1/4	-
	P/R1/R2 port	G1/8	G1/4	-

Note 5: This is a available consult factory order.

Descriptions			3GB1 & 4GB1		3GB2 & 4GB2		4GB3	
			ON	OFF	ON	OFF	ON	OFF
Response time ms	2-position	Dual 3 port valve integrated type	9	12	12	29	-	-
		Single	12	12	19	19	25	28
	3-position	Double	9	-	18	-	24	-
		ABR connection	8	15	17	30	23	45

Values including a light surge suppressor. The response time is the value at 0.5 MPa supply pressure, 20°C, with no lubrication. It varies depending on the pressure and the lubricant quality.

Descriptions			3GB1 & 4GB1	3GB2 & 4GB2	4GB3	
Weight g	2-position	Single	Grommet lead wire	80 (38)	156 (74)	215 (96)
			E type connector	82 (40)	158 (76)	217 (98)
			DIN terminal box	-	193 (111)	249 (130)
		Double	Grommet lead wire	97 (55)	173 (91)	233 (114)
			E type connector	101 (59)	177 (95)	237 (118)
			DIN terminal box	-	216 (134)	273 (154)
	3-position	All ports closed	Grommet lead wire	98 (56)	184 (102)	242 (123)
			E type connector	102 (60)	188 (106)	246 (127)
			DIN terminal box	-	227 (145)	282 (163)

• Values in () do not include a discrete sub-plate. Values for E type connector include the socket assembly (with 300 mm lead wire).

For EJ type connector, add 16 g/connector to E type connector weight.

• The weight of dual 3 port valve integrated type is the same as that of 2-position double.

Electric specifications

Descriptions							
Rated voltage		24 VDC	12 VDC	5 VDC	3 VDC	100 VAC	200 VAC
Voltage fluctuation range		±10%					
Holding current A (Note 4)	Standard	0.015 (0.017)	0.030 (0.034)	0.072 (0.082)	0.120 (0.136)	0.009 (0.009)	0.006 (0.006)
	With low heat energy-saving circuit	0.005	0.010	-	-	-	-
Power consumption W (Note 4)	Standard	0.35 (0.40)	0.35 (0.40)	-	-	-	-
	With low heat energy-saving circuit	0.1	-	-	-	-	-
Apparent power VA (Note 4) (Note 5)	Standard	-	-	-	0.93 (0.98)	1.26	-
	With low heat energy-saving circuit	-	-	-	-	-	-
Thermal class		B					
Surge suppressor		Option					
Indicator		Light (option)					

Note 4 Values in () apply when a light is attached. In addition, the low heat energy-saving circuits only have a light attached.

Note 5 200 VAC is the DIN terminal box (with light) value.

Flow characteristics

Model no.	Valve Position		P→A/B		A/B→R1/R2	
			C [dm ³ /(s·bar)]	b	C [dm ³ /(s·bar)]	b
3GB1 4GB1	Dual 3 port valve integrated type		0.92	0.08	1.1	0.26
	2-position		1.3	0.27	1.2	0.22
	3-position	All ports closed	1.1	0.31	1.1	0.27
		ABR connection	1.1	0.31	1.3	0.29
		PAB connection	1.4	0.30	1.1	0.26
3GB2 4GB2	Dual 3 port valve integrated type		1.7	0.42	2.1	0.26
	2-position		2.6	0.20	2.6	0.19
	3-position	All ports closed	2.3	0.32	2.2	0.22
		ABR connection	2.2	0.23	2.6	0.16
		PAB connection	2.4	0.10	2.4	0.22
4GB3	2-position		4.3	0.24	4.2	0.24
	3-position	All ports closed	3.3	0.40	3.4	0.27
		ABR connection	3.3	0.36	4.2	0.18
		PAB connection	4.5	0.28	3.4	0.30

Note 1: Effective sectional area S and sonic conductance C are converted as $S \approx 5.0 \times C$.

Ozone proof specifications / Cutting oil proof type specifications

Select the option "A" of ⑤ in how to order on page 56.

Clean room specifications (Catalog No. CB-033S)

- Particle generation preventing structure for use in clean rooms

** - Voltage - **P7***

Specifications for secondary battery (Catalog No. CC-947A)

- In order to be applicable for secondary battery manufacturing process, confine materials for air passage and sliding section

** - Voltage - **P4**

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

3GB1, 2 & 4GB1, 2, 3 Series

Discrete valve; base piping

How to order

4GB1 1 0 R - 06 - E2 - 3

3GB1 66 0 R - 06 - E2 - 3

Discrete valve for mounting base

4GB1 1 9 R - 00 - E2 H - 3

3 port discrete valve for mounting base

3GB1 66 9 R - 00 - E2 H - 3

A Model no.
B Valve Position

C Port size

D Electrical connections
Refer to page 5 for the circuit diagram with surge suppressor/light.

⚠ Note on model no. selection

- Note 1 Combination with the external pilot (K) is not available.
Dimensions are the same as the respective 2-position double.
- Note 2 Available consult factory order.
- Note 3 3-position all ports closed and PAB connection are not provided with check valve.
Refer to page 628 for details on check valve.
- Note 4 Only the E2* type, E2* J type connector and 12/24 VDC are supported.
In addition, the surgeless "S" and Low heat energy-saving circuit "E" cannot be selected at the same time.
- Note 5 This is surgeless specifications.
- Note 6 The P port has a filter built inside as a standard.
- Note 7 Only the DIN terminal box are supported.
- Note 8 Grommet lead wire specifications are only for DC voltage.
- Note 9 Supports AC voltage and 12/24 VDC.
The light is also attached to the terminal box.
- Note 10 AC voltage comes with a rectifier circuit.

E Option

F Voltage

A Model No.

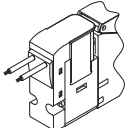
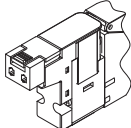
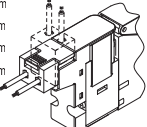
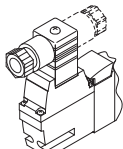
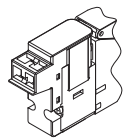
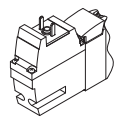
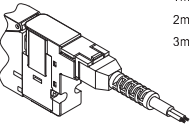
Symbol	Descriptions	3GB1	3GB2	4GB1	4GB2	4GB3
B Valve Position						
1	2-position single			●	●	●
2	2-position double			●	●	●
3	3-position all ports closed			●	●	●
4	3-position ABR connection			●	●	●
5	3-position PAB connection			●	●	●
66	Dual 3 port valve integrated type Note 1	●	●			
	A side valve: Normally closed B side valve: Normally closed					
67	Dual 3 port valve integrated type Note 1	●	●			
	A side valve: Normally closed B side valve: Normally closed					
76	Dual 3 port valve integrated type Note 1	●	●			
	A side valve: Normally open B side valve: Normally closed					
77	Dual 3 port valve integrated type Note 1	●	●			
	A side valve: Normally open B side valve: Normally open					
C Port size						
Port	4 (A)/2 (B) port	P/R1/R2 port (2) = Rc1/8 (3) = Rc1/4 (4) = Rc3/8				
06	Rc1/8	(2)	(2)			
08	Rc1/4		(3)	(3)	(3)	
10	Rc3/8					(4)
Port	4 (A)/2 (B) port	P/R1/R2 port (5) = 1/8NPT (6) = 1/4NPT (7) = 3/8NPT				
06N	1/8NPT (Note 2)	(5)	(5)			
08N	1/4NPT (Note 2)		(6)	(6)	(6)	
10N	3/8NPT (Note 2)					(7)
Port	4 (A)/2 (B) port	P/R1/R2 port (8) = G1/8 (9) = G1/8				
06G	G1/8 (Note 2)	(8)	(8)			
08G	G1/4 (Note 2)		(9)	(9)		
00	Discrete valve for mounting base	●	●	●	●	●
D Electrical connections						
Blank	Grommet lead wire (300 mm) (Note 8)	●	●	●	●	●
B	DIN terminal box (Pg7) with surge suppressor/light (Note 9)		●		●	●
BN	DIN terminal box (Pg7) (without terminal box) with surge suppressor (Note 9)		●		●	●
E type connector (upward/lateral direction common)						
E0	Lead wire (300 mm) (Note 10)	●	●	●	●	●
E00	Lead wire (500 mm) (Note 10)	●	●	●	●	●
E01	Lead wire (1000 mm) (Note 10)	●	●	●	●	●
E02	Lead wire (2000 mm) (Note 10)	●	●	●	●	●
E03	Lead wire (3000 mm) (Note 10)	●	●	●	●	●
E0N	Without lead wire (without socket) (Note 10)	●	●	●	●	●
E1	Without lead wire (with socket/terminal) (Note 10)	●	●	●	●	●
E2	Lead wire (300 mm) with surge suppressor/light	●	●	●	●	●
E20	Lead wire (500 mm) with surge suppressor/light	●	●	●	●	●
E21	Lead wire (1000 mm) with surge suppressor/light	●	●	●	●	●
E22	Lead wire (2000 mm) with surge suppressor/light	●	●	●	●	●
E23	Lead wire (3000 mm) with surge suppressor/light	●	●	●	●	●
E2N	Without lead wire (without socket) with surge suppressor/light	●	●	●	●	●
E3	Without lead wire (with socket/terminal) with surge suppressor/light	●	●	●	●	●
EJ type connector (socket with cover, upward/lateral direction common)						
E01J	Lead wire (1000 mm) (Note 10)	●	●	●	●	●
E02J	Lead wire (2000 mm) (Note 10)	●	●	●	●	●
E03J	Lead wire (3000 mm) (Note 10)	●	●	●	●	●
E21J	Lead wire (1000 mm) with surge suppressor/light	●	●	●	●	●
E22J	Lead wire (2000 mm) with surge suppressor/light	●	●	●	●	●
E23J	Lead wire (3000 mm) with surge suppressor/light	●	●	●	●	●
E Option						
Blank	Non-locking/locking common manual override	●	●	●	●	●
M	Non-locking manual override	●	●	●	●	●
H	With check valve (Note 3)	●	●	●	●	●
K	External pilot			●	●	●
A	Ozone/cutting oil proof	●	●	●	●	●
S	Surgeless (Note 4)	●	●	●	●	●
E	Low heat and energy saving circuit (Note 4), (Note 5)	●	●	●	●	●
F	A/B port filter integrated (Note 6)	●	●	●	●	●
F Voltage						
1	100 VAC (rectifier integrated)	●	●	●	●	●
2	200 VAC (rectified integrated) (Note 7)			●	●	●
3	24 VDC	●	●	●	●	●
4	12 VDC	●	●	●	●	●
7	3 VDC	○	○	○	○	○
8	5 VDC	○	○	○	○	○

is not available.

○ Contact CKD for price and availability.

3GB1, 2 & 4GB1, 2, 3 Series

Discrete valve; base piping

Electrical connections			
Discrete valve/individual wiring manifold			
Blank	Grommet lead wire	E1 E3	E type connector with socket/terminal
● Lead wire length 300 mm  			
E0 E2	E type connector	B	DIN terminal box
● Lead wire length 300 mm 500 mm 1000 mm 2000 mm 3000 mm  			
E0N E2N	E type connector without socket	BN	DIN terminal box without terminal box
 			
E0'J E2'J	EJ type connector		
● Lead wire length 1 m 2 m 3 m 			

4GA/B	M4GA/B	MN4GA/B	4GA/B Master valve	4GD/E	M4GD/E	MN4GD/E	Technical data	Safety precautions	Manifold Specifications
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3GB1 & 4GB1 Series

Discrete valve; base piping

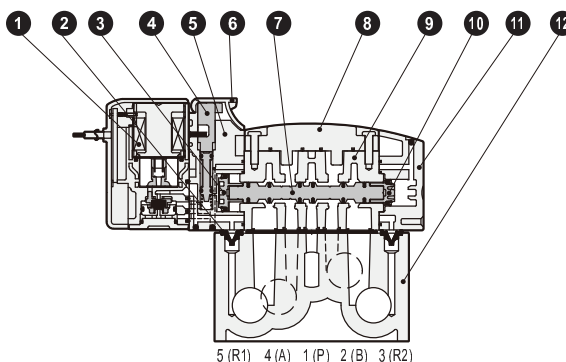
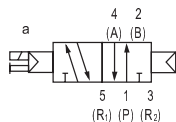
Internal structure and parts list

3GB1660R, 1670R, 1760R, 1770R

- Dual 3 port valve integrated type Refer to page 60.
- Grommet lead wire (blank)

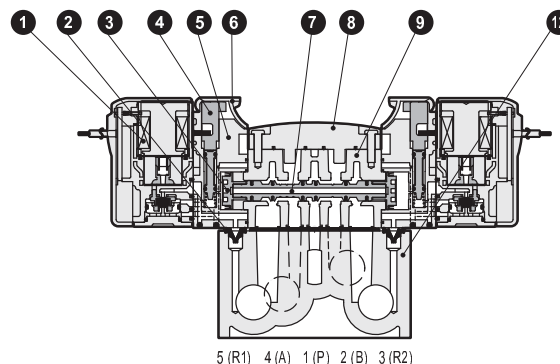
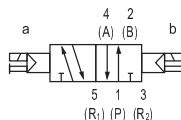
4GB110R

- 2-position single
- Grommet lead wire (blank)



4GB120R

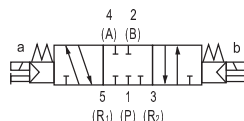
- 2-position double
- Grommet lead wire (blank)



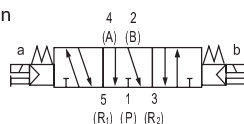
4GB1³/₅0R

- 3-position
- Grommet lead wire (blank)

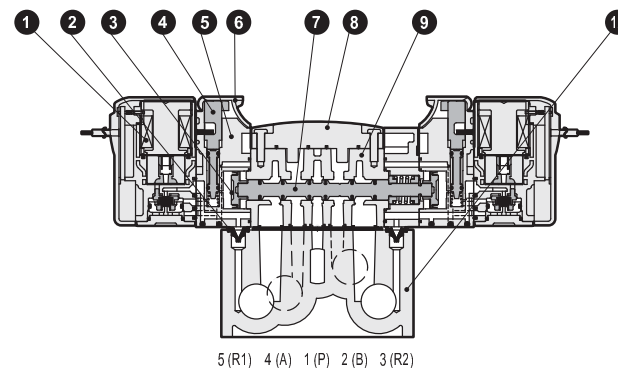
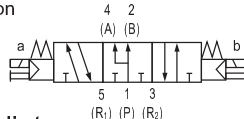
All ports closed



A/B/R connection



P/A/B Connection



Main parts list

No.	Parts name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber, HNBR
3	Piston D assembly	-
4	Manual operating device	Plastic
5	Piston room	Plastic
6	Manual protection cover	Plastic
7	Spool assembly	-
8	Plate	Plastic
9	Body	Aluminum alloy die-casting
10	Piston S assembly	-
11	Cap	Plastic
12	Discrete sub-plate	Aluminum alloy die-casting

Parts list

No.	Parts name	Model no.
1	Coil assembly	4GR - Electrical connections - * - COIL - Voltage
		Blank: Standard A: Ozone specifications Blank: Grommet lead wire

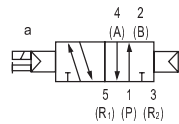
Internal structure and parts list

3GB2660R, 2670R, 2760R, 2770R

- Dual 3 port valve integrated type Refer to page 60.
- Grommet lead wire (blank)

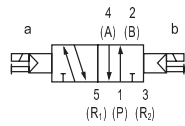
4GB210R & 4GB310R

- 2-position single
- Grommet lead wire (blank)



4GB220R & 4GB320R

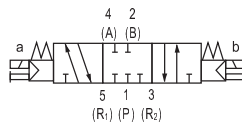
- 2-position double
- Grommet lead wire (blank)



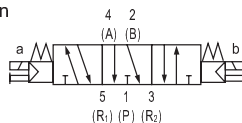
4GB2 3 0R & 4GB3 3 0R

- 3-position
- Grommet lead wire (blank)

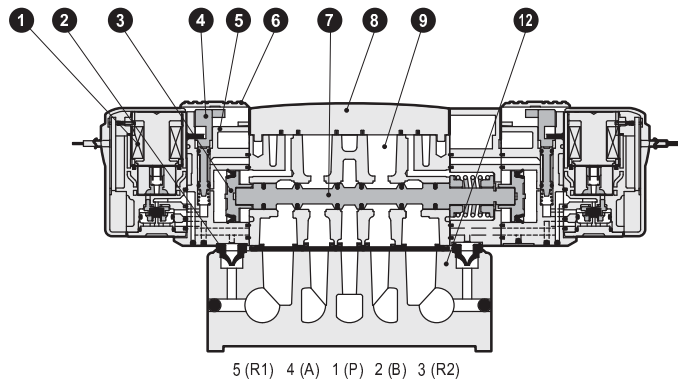
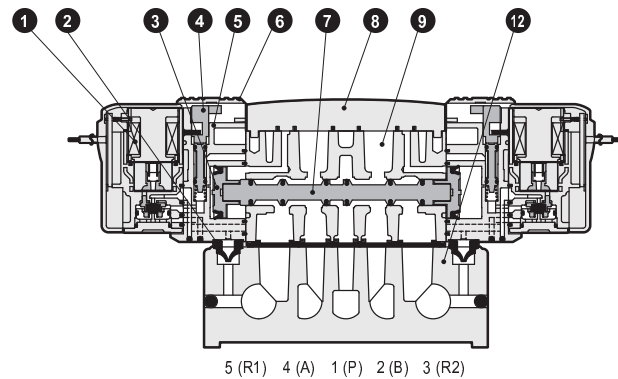
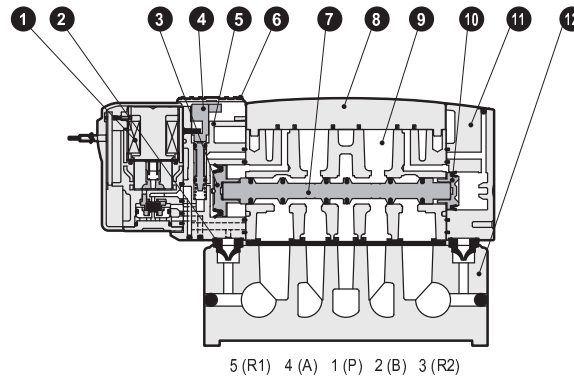
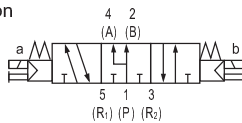
All ports closed



A/B/R connection



P/A/B Connection



Main parts list

No.	Parts name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber, HNBR
3	Piston D assembly	-
4	Manual operating device	Plastic
5	Piston room	Plastic
6	Manual protection cover	Plastic
7	Spool assembly	-
8	Plate	Plastic
9	Body	Aluminum alloy die-casting
10	Piston S assembly	-
11	Cap	Plastic
12	Discrete sub-plate	Aluminum alloy die-casting

Parts list

No.	Parts name	Model no.
1	Coil assembly	4GR - Electrical connections - * - COIL - Voltage
		Blank: Standard A: Ozone specifications Blank: Grommet lead wire

3GB1, 2 Series

Discrete valve; base piping

Internal structure and parts list

4GA/B
M4GA/B
MN4GA/B
4GA/B Master valve
4GD/E
M4GD/E
MN4GD/E
Technical data
Safety precautions
Manifold Specifications

3GB1⁶⁶₁₇₆⁶⁷₇₇ 0R

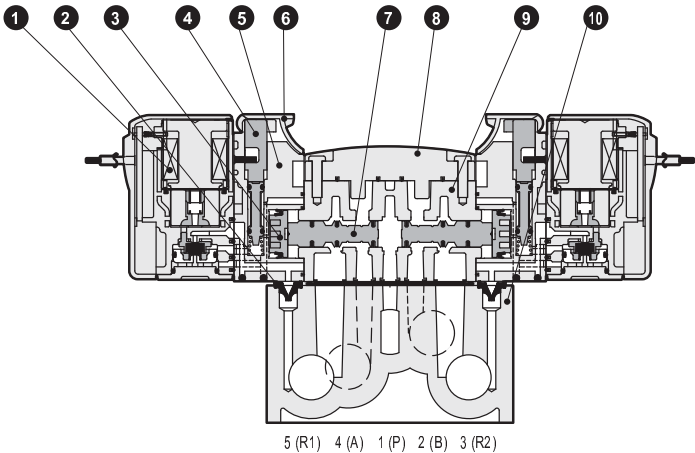
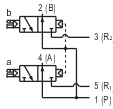
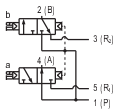
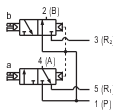
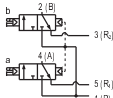
- Dual 3 port valve integrated type
Grommet lead wire (blank)

A side valve: Normally closed,
B side valve: Normally closed
NC/NC type

A side valve: Normally closed,
B side valve: Normally open
N.C./N.O. type

A side valve: Normally open,
B side valve: Normally open
N.O./N.C. type

A side valve: Normally open,
B side valve: Normally open
N.O./N.O. type



3GB2⁶⁶₆₇⁷⁶₇₇ 0R

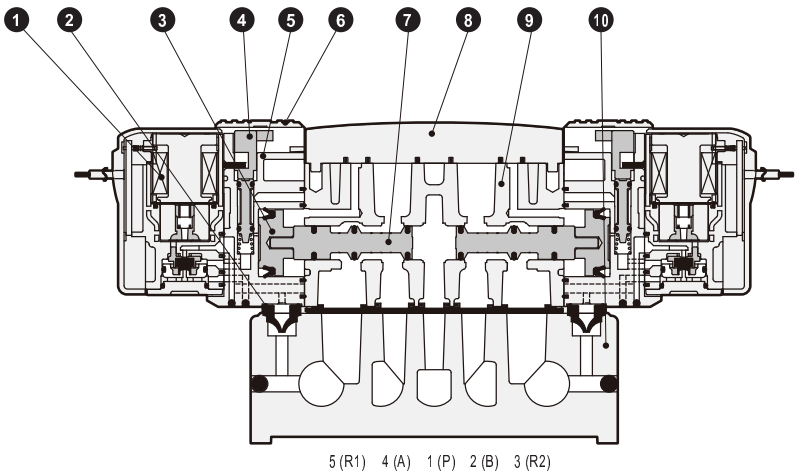
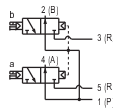
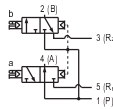
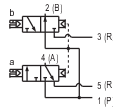
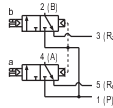
- Dual 3 port valve integrated type
Grommet lead wire (blank)

A side valve: Normally closed,
B side valve: Normally closed
NC/NC type

A side valve: Normally closed,
B side valve: Normally open
N.C./N.O. type

A side valve: Normally open,
B side valve: Normally closed
N.O./N.C. type

A side valve: Normally open,
B side valve: Normally open
N.O./N.O. type



Main parts list

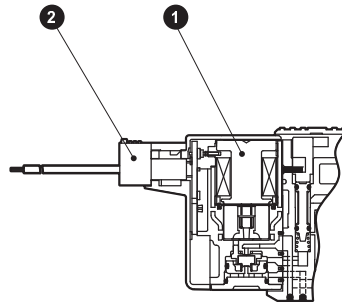
No.	Parts name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber, HNBR
3	Piston assembly	-
4	Manual operating device	Plastic
5	Piston room	Plastic
6	Manual protection cover	Plastic
7	Spool assembly	-
8	Plate	Plastic
9	Body	Aluminum alloy die-casting
10	Discrete sub-plate	Aluminum alloy die-casting

Parts list

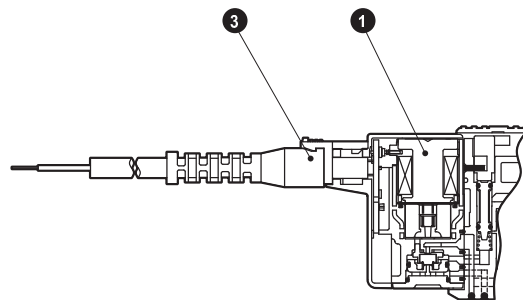
No.	Parts name	Model no.
1	Coil assembly	4GR - Electrical connections - * - COIL - Voltage Blank: Standard A: Ozone specifications Blank: Grommet lead wire

Electrical connections internal structure and parts list

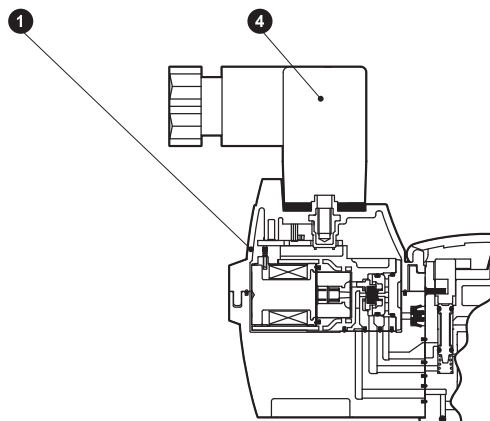
● E type connector type E**



● EJ type connector type E**J



● DIN terminal box type B



Main parts list

No.	Parts name	Material
1	Coil assembly	
2	E type connector socket assembly	-
3	Socket assembly with cover	-
4	DIN terminal box assembly	-

Parts list

No.	Parts name	Model no.
1	Coil assembly	4GR - Electrical connections - * - COIL - Voltage Blank: Standard A: Ozone specifications E* : E type connector type E*J: Socket with cover type B : DIN terminal box type B includes the DIN terminal box BN dose not include DIN terminal box
2	E type connector socket assembly	4GR - SOCKET - ASSY - E** - Voltage
3	Socket assembly with cover	4GR - SOCKET - ASSY - E**J
4	DIN terminal box assembly	4GR - TERMINAL - BOX - Voltage

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

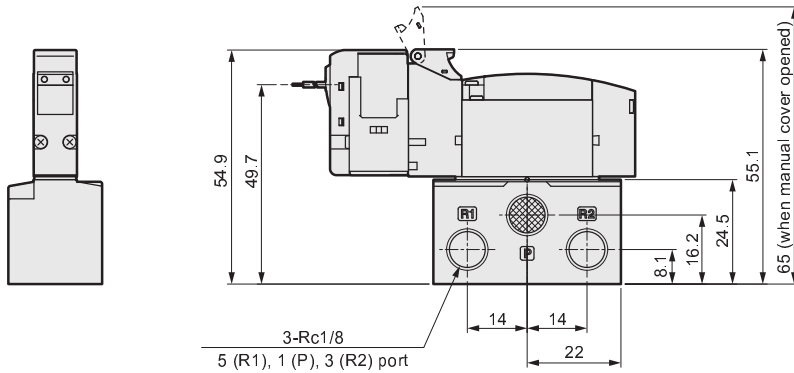
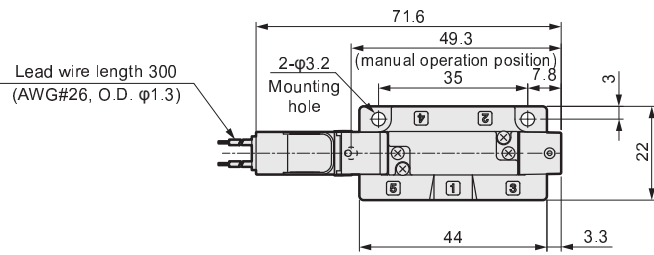
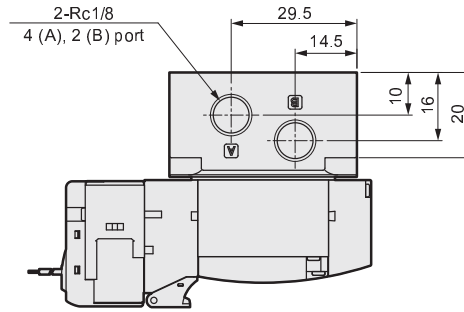
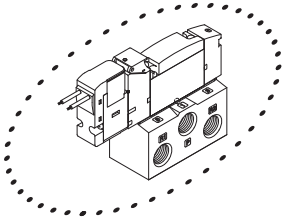
4GB1 Series

Discrete valve; base piping

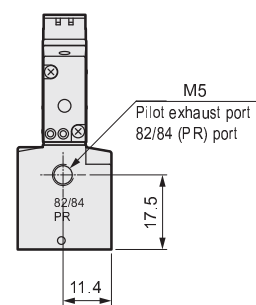
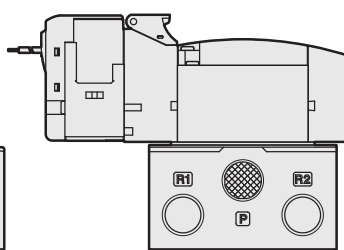
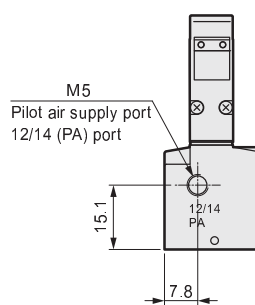
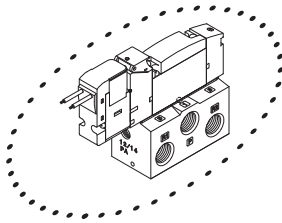
Dimensions 

4GB110R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

- 2-position single grommet lead wire (blank)

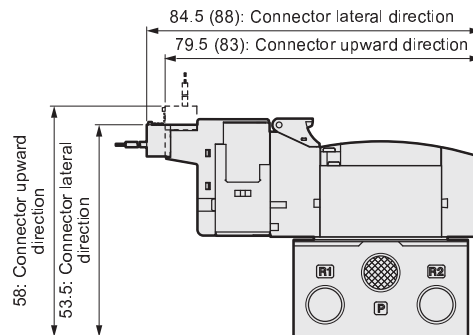
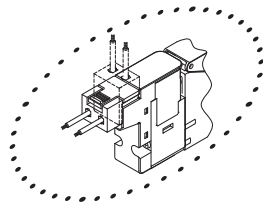


- External pilot type (K)



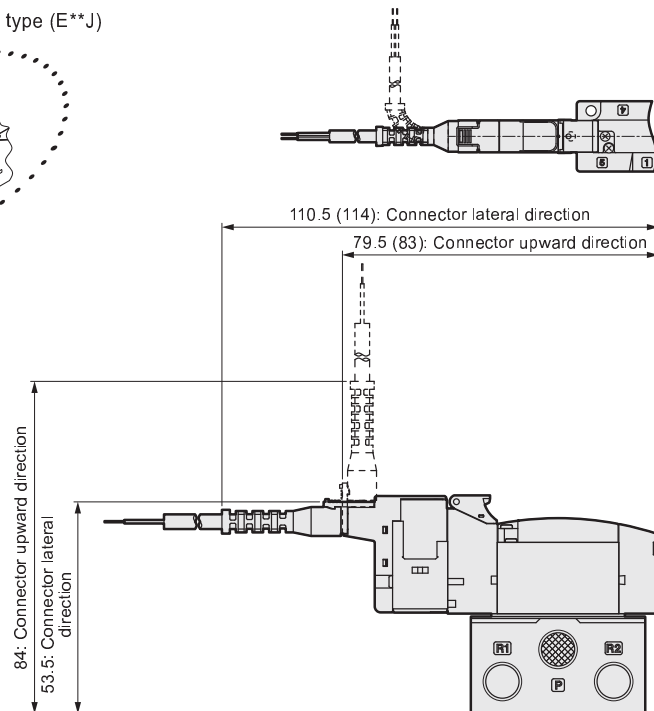
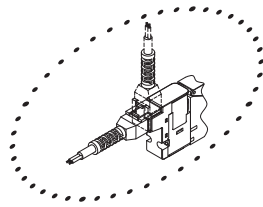
Dimensions

● E type connector type (E)



Note: Values in () apply for 100 VAC

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB1 Series

Discrete valve; base piping

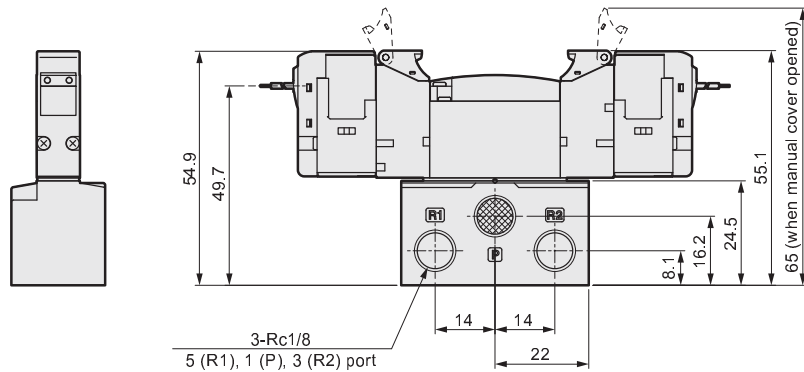
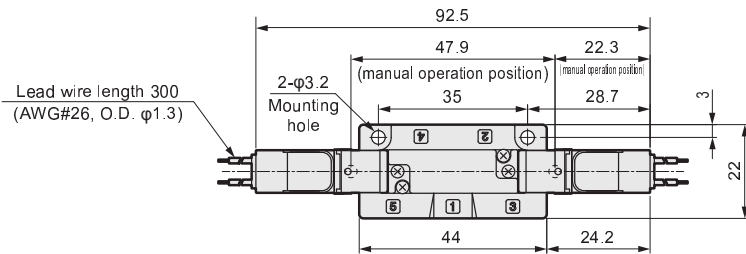
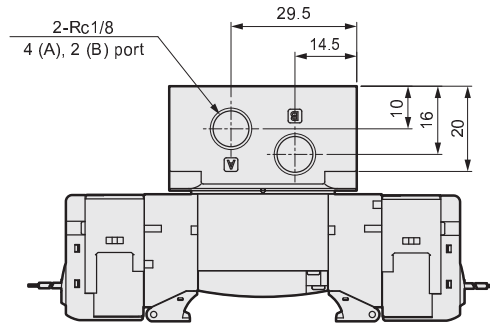
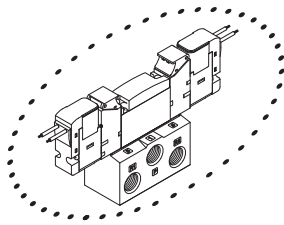
Dimensions 

4GB120R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

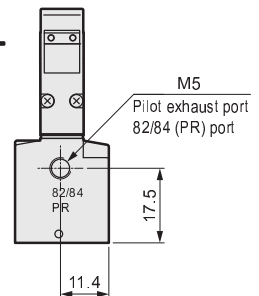
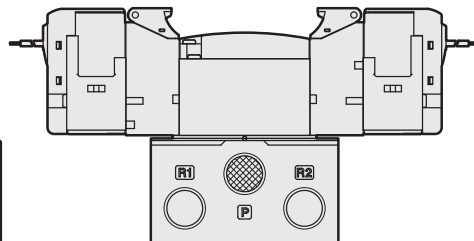
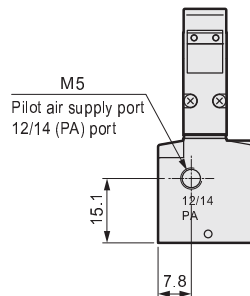
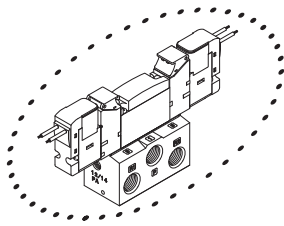
● 2-position double grommet lead wire (blank)

3GB1660R, 3GB1670R, 3GB1760R, 3GB1770R

● Dual 3 port valve integrated type grommet lead wire (blank)



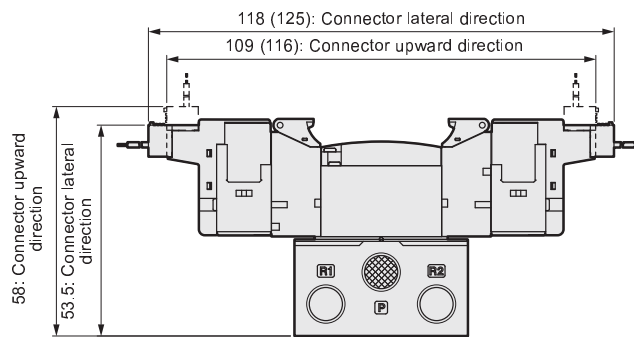
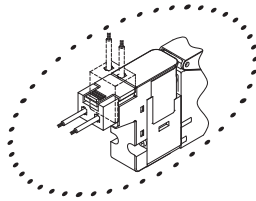
● External pilot type (K)



Note: Combination of dual 3 port valve integrated type and external pilot type is not available.

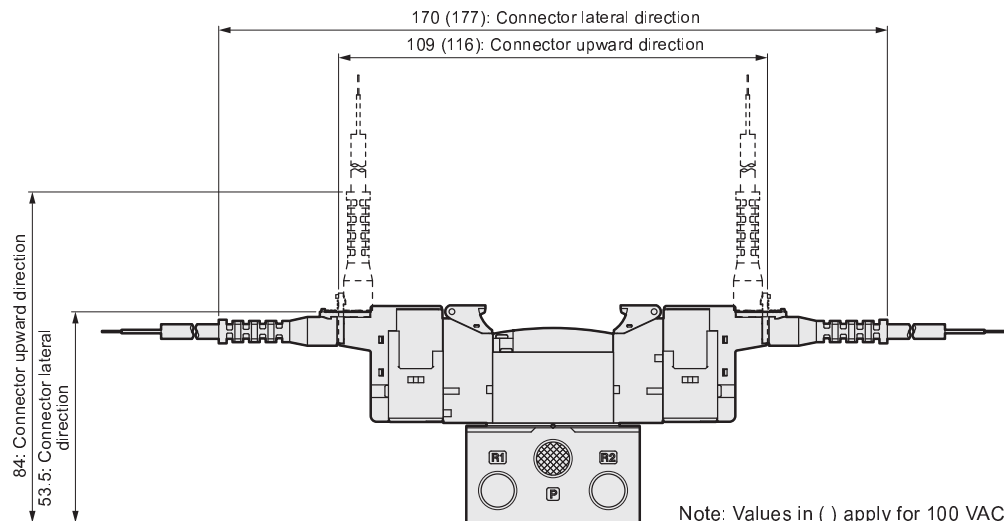
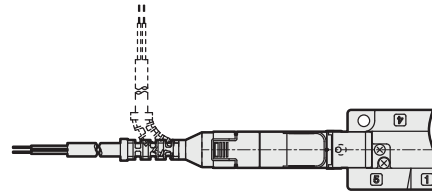
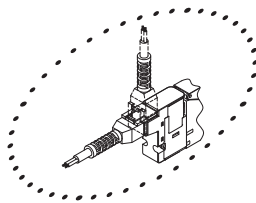
Dimensions

● E type connector type (E)



Note: Values in () apply for 100 VAC.

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB1 Series

Discrete valve; base piping

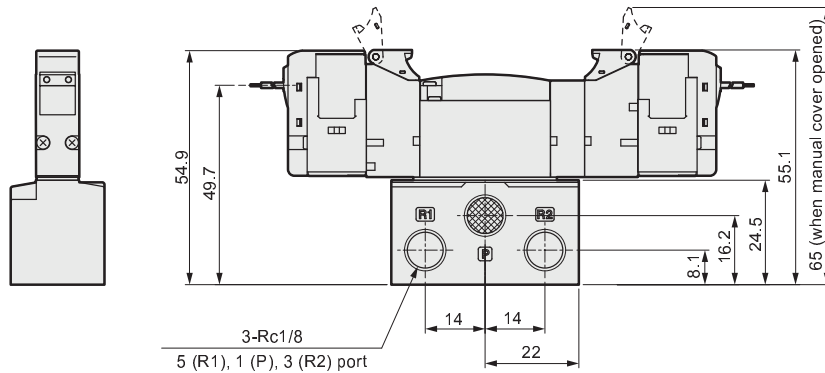
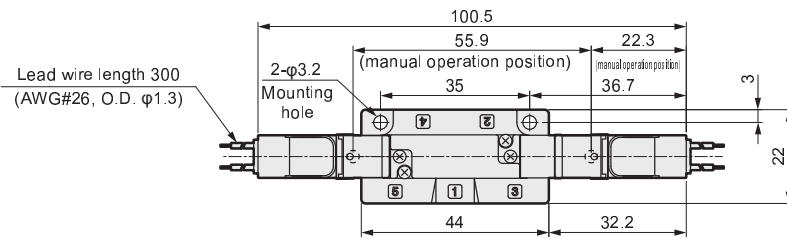
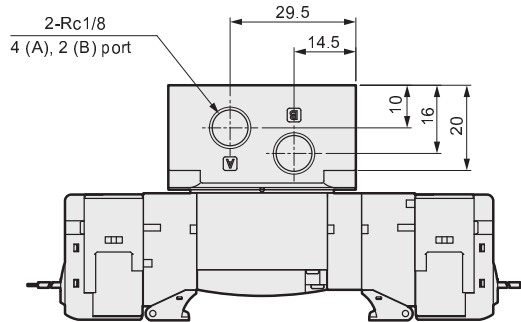
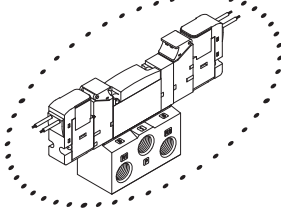
Dimensions



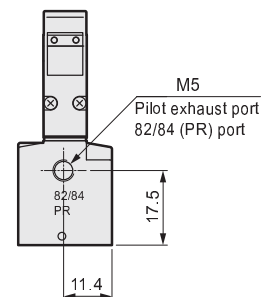
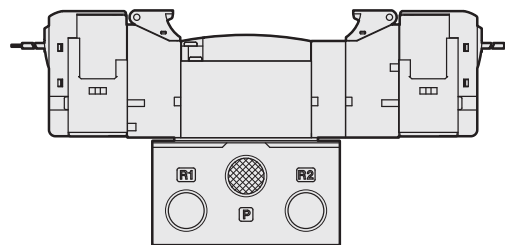
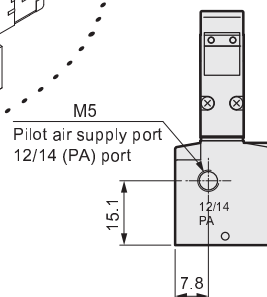
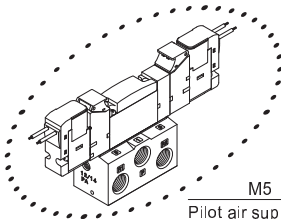
4GB1 0R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

● 3 position

Grommet lead wire (blank)

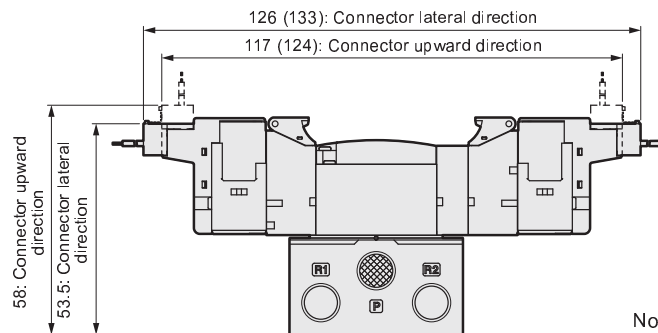
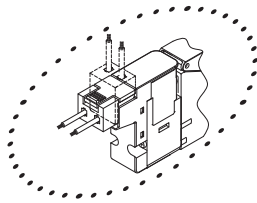


● External pilot type (K)



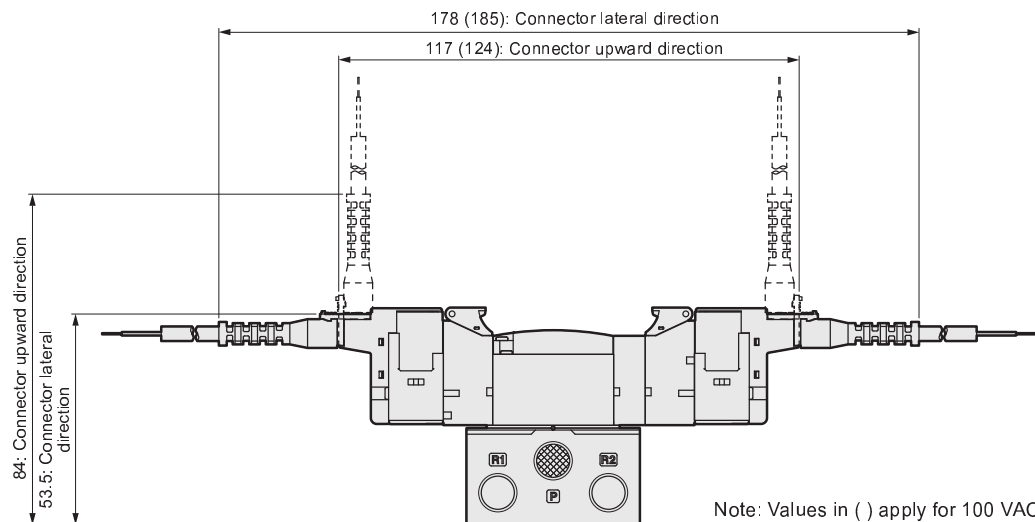
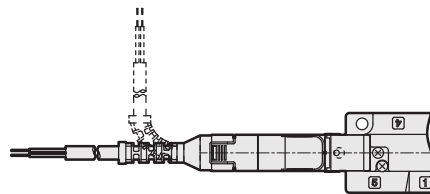
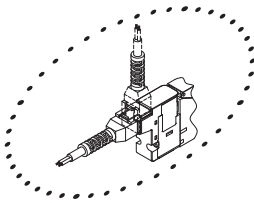
Dimensions

● E type connector type (E)



Note: Values in () apply for 100 VAC

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB2 Series

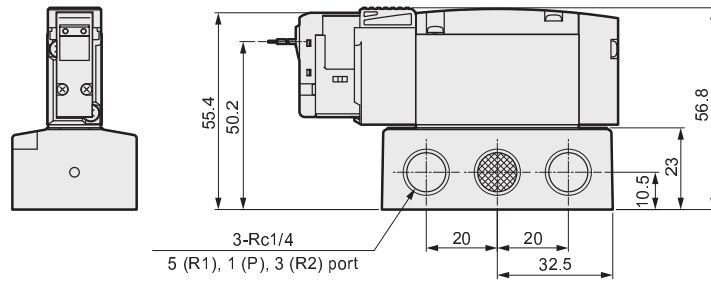
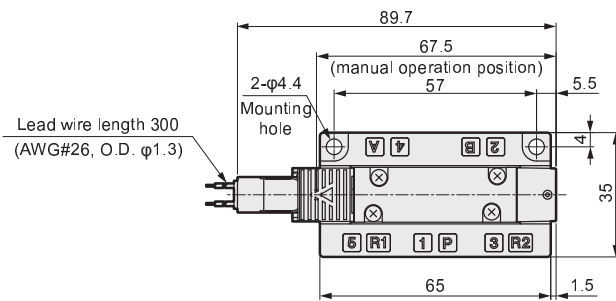
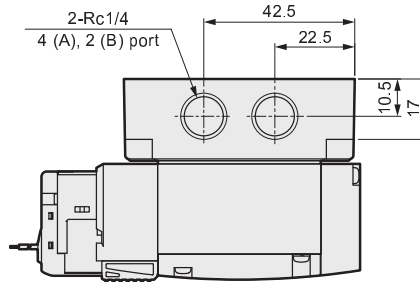
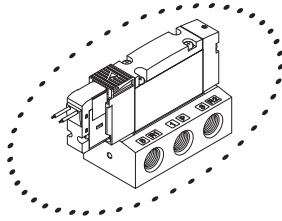
Discrete valve; base piping

Dimensions

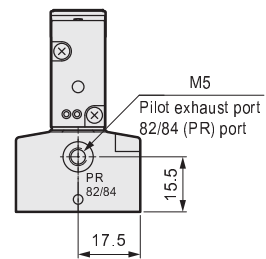
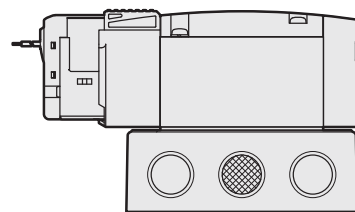
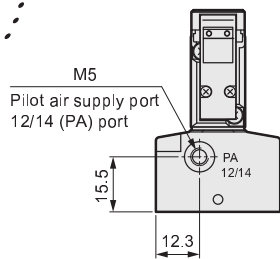
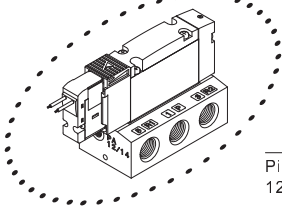


4GB210R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

- 2-position single grommet lead wire (blank)

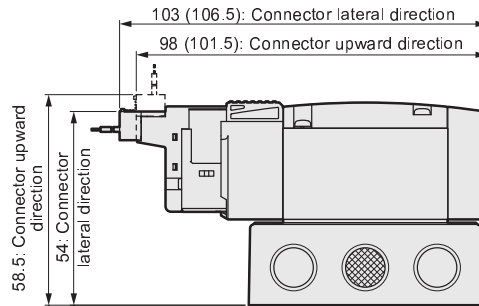
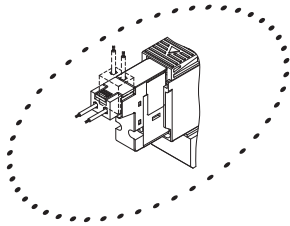


- External pilot type (K)



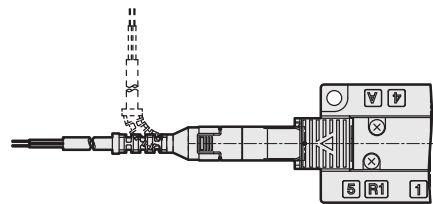
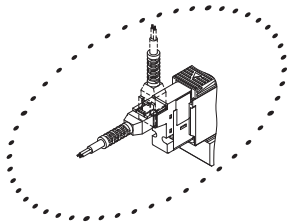
Dimensions

● E type connector type (E)



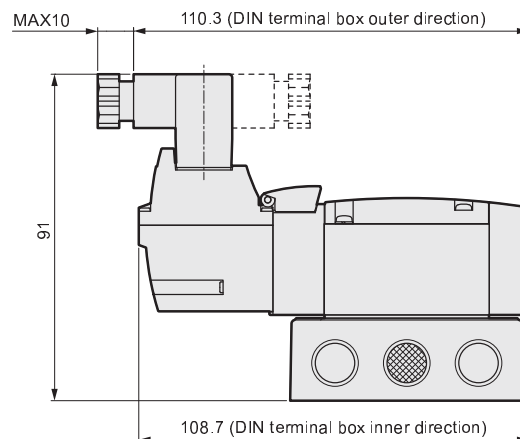
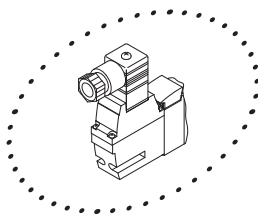
Note: Values in () apply for 100 VAC

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC

● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB2 Series

Discrete valve; base piping

Dimensions

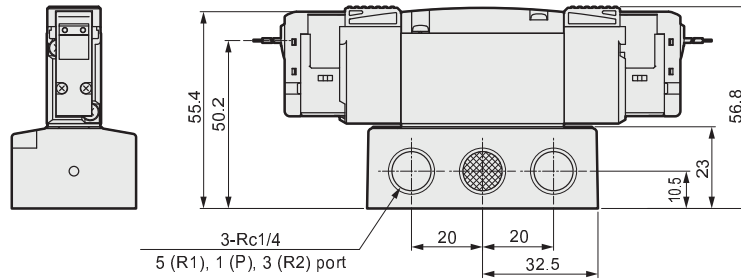
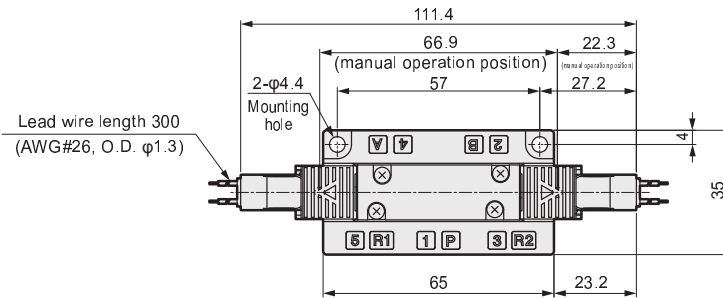
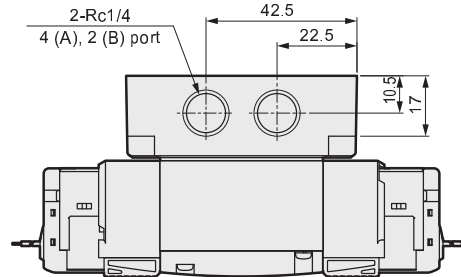
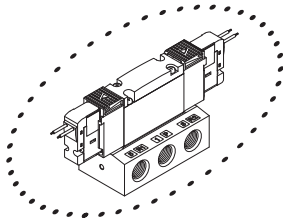


4GB220R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

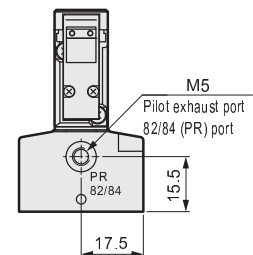
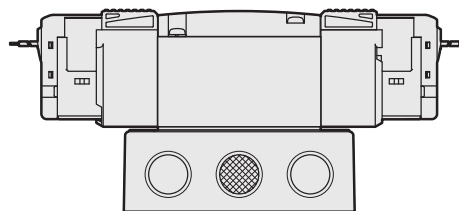
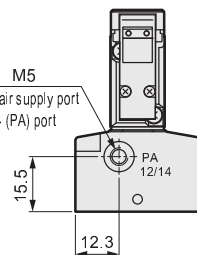
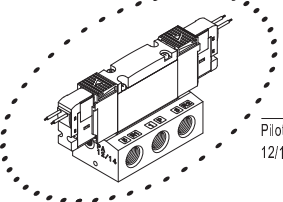
- 2-position double grommet lead wire (blank)

3GB2660R, 3GB2670R, 3GB2760R, 3GB2770R

- Dual 3 port valve integrated type grommet lead wire (blank)



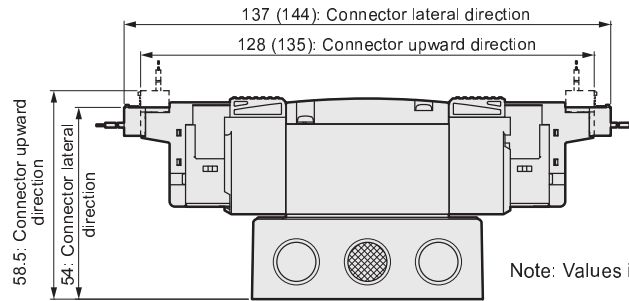
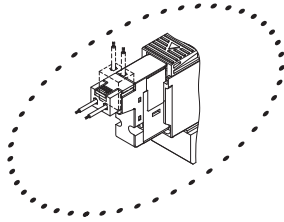
- External pilot type (K)



Note: Combination of dual 3 port valve integrated type and external pilot type is not available.

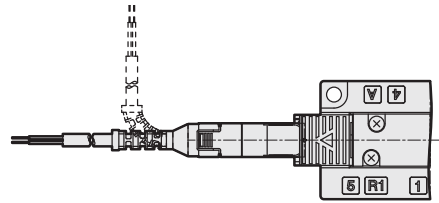
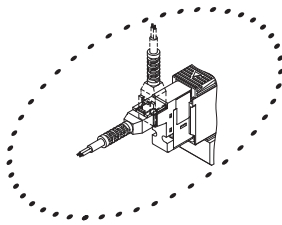
Dimensions

● E type connector type (E)



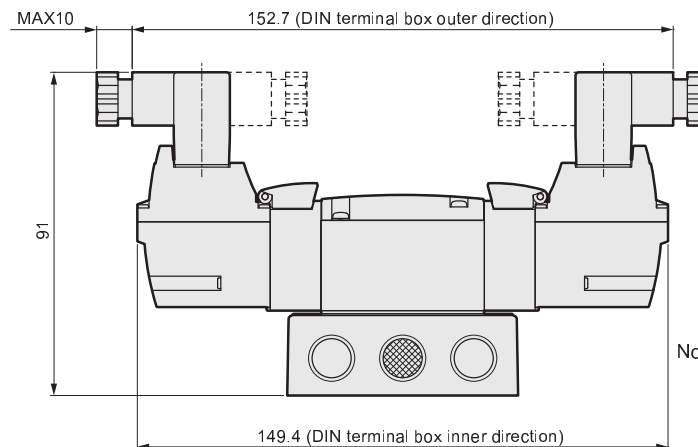
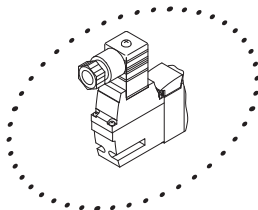
Note: Values in () apply for 100 VAC.

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC.

● DIN terminal box type (B)



Note The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB2 Series

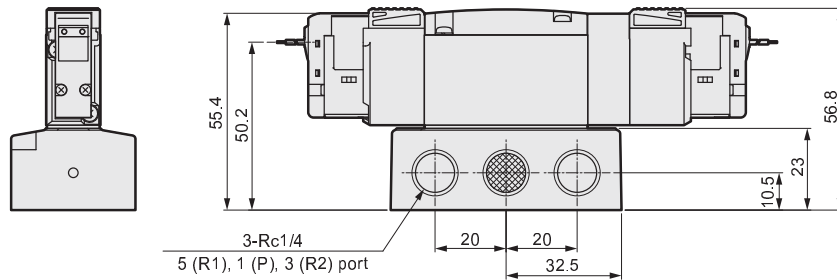
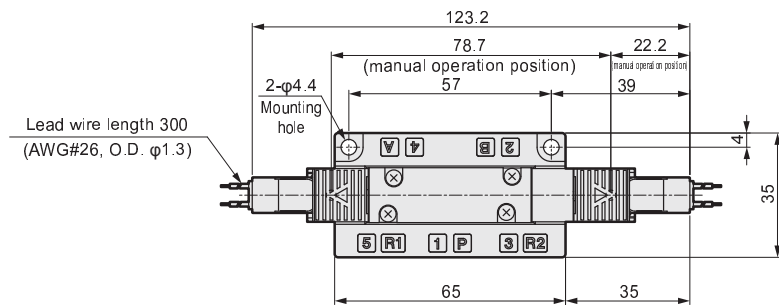
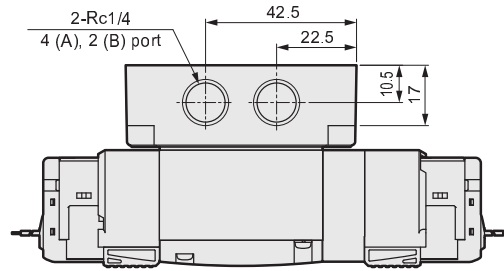
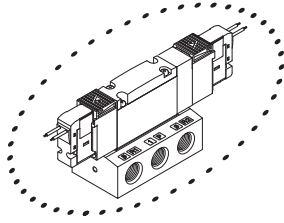
Discrete valve; base piping

Dimensions

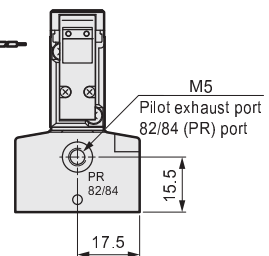
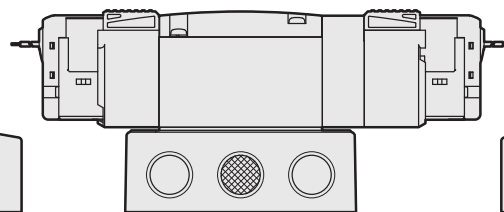
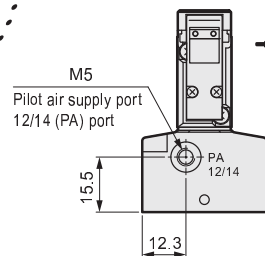
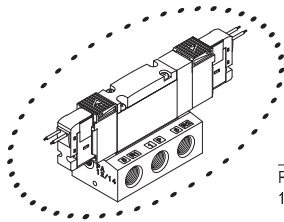


4GB2 0R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

- 3 position
- Grommet lead wire (blank)

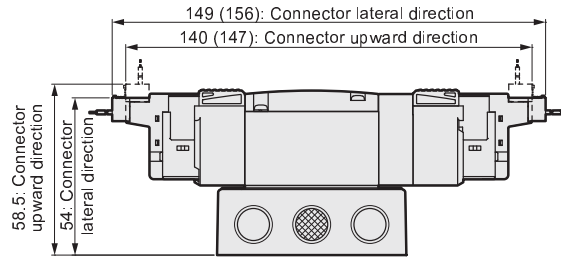
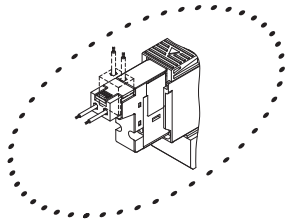


- External pilot type (K)



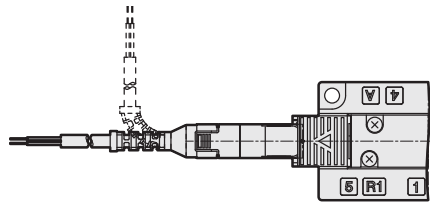
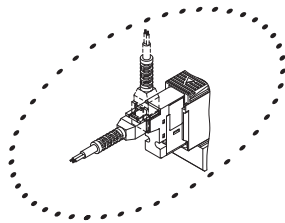
Dimensions

● E type connector type (E)



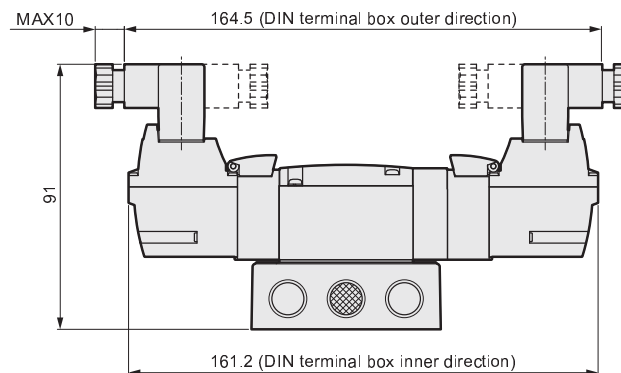
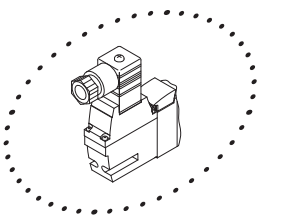
Note: Values in () apply for 100 VAC

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC

● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB3 Series

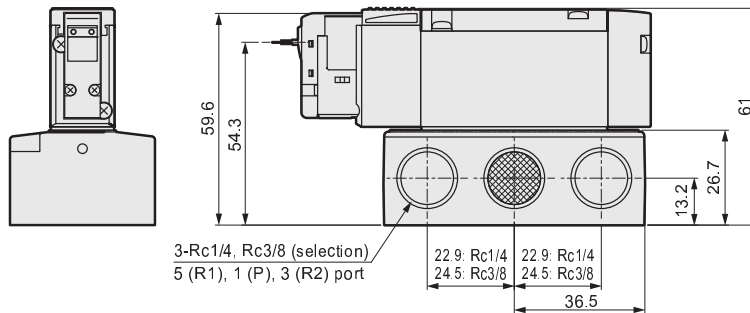
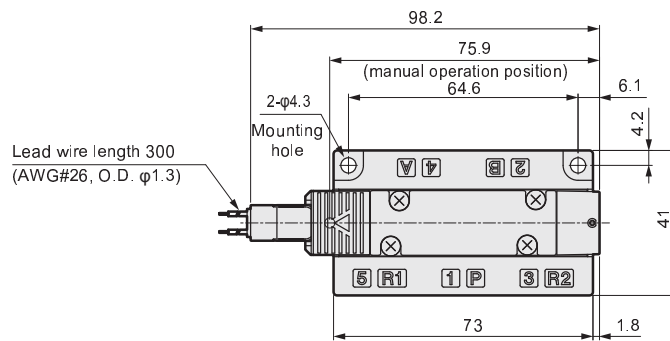
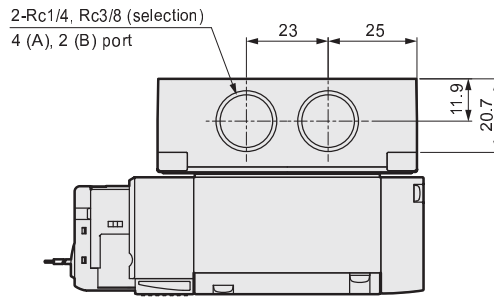
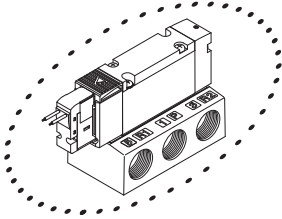
Discrete valve; base piping

Dimensions

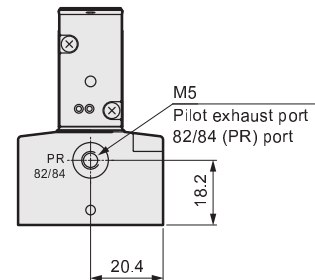
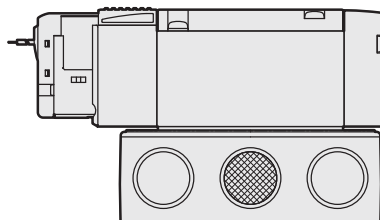
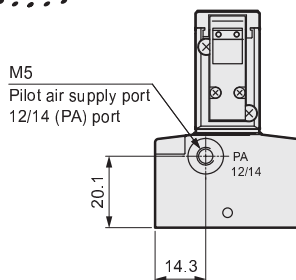
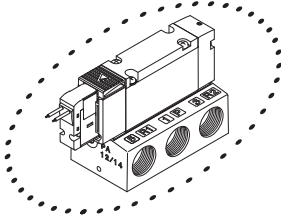


4GB310R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

- 2-position single
- Grommet lead wire (blank)

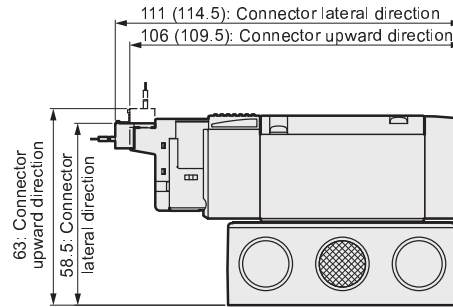
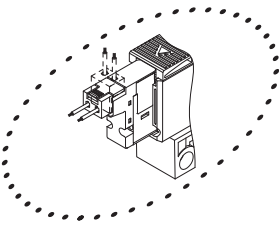


- External pilot type (K)



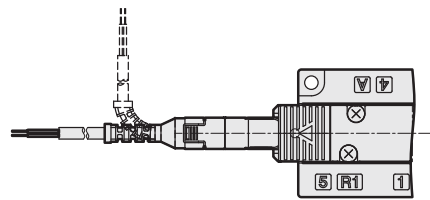
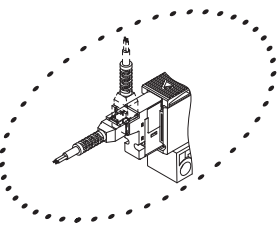
Dimensions

● E type connector type (E)

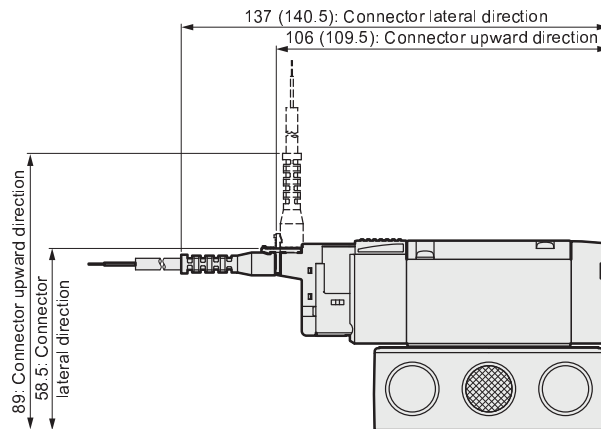


Note: Values in () apply for 100 VAC

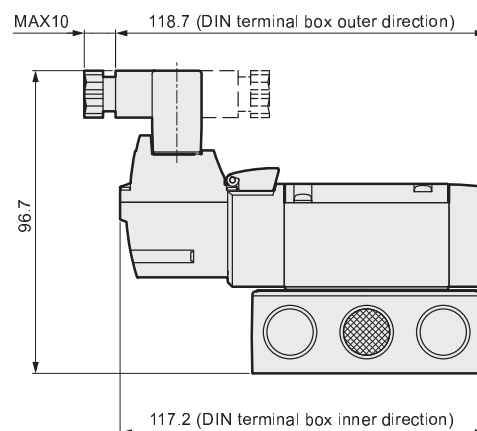
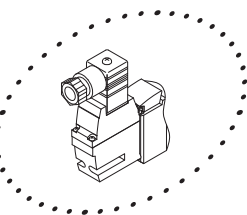
● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC



● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB3 Series

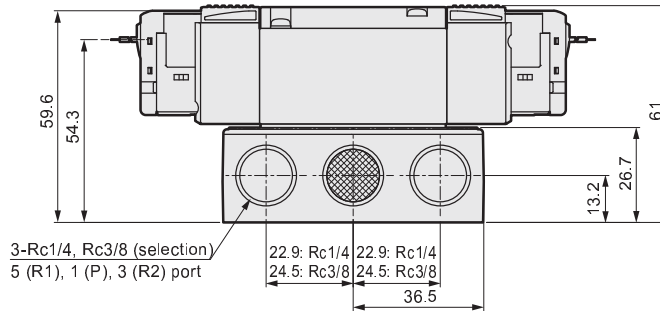
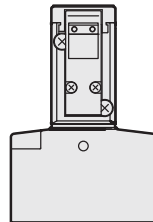
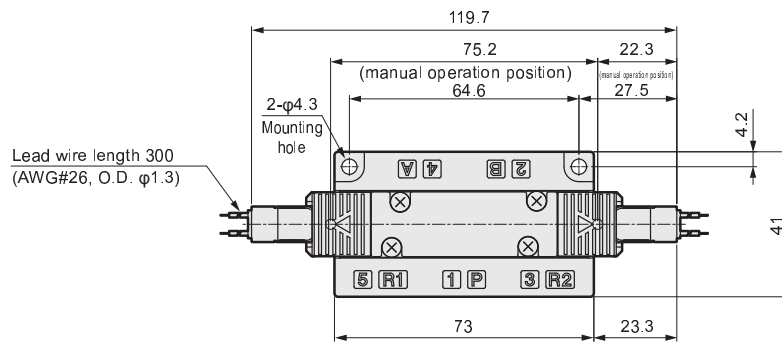
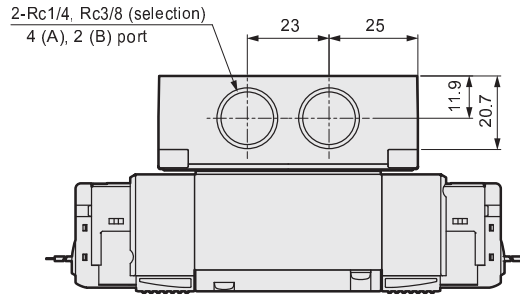
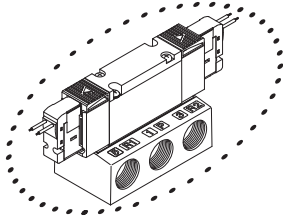
Discrete valve; base piping

Dimensions

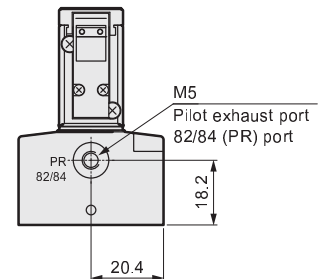
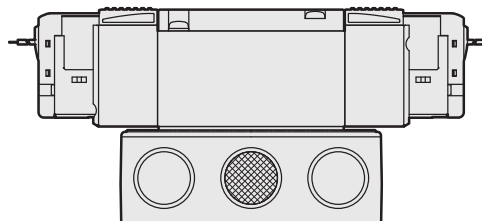
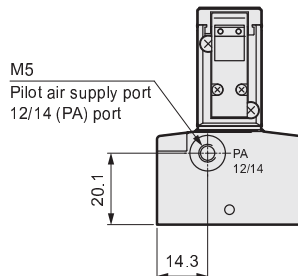
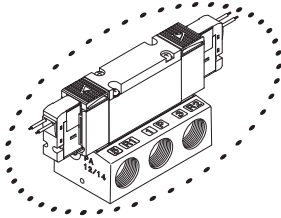


4GB320R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

● 2-position single grommet lead wire (blank)

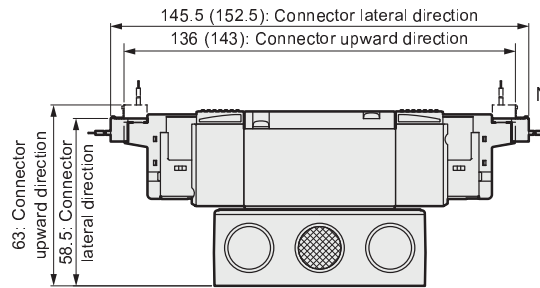
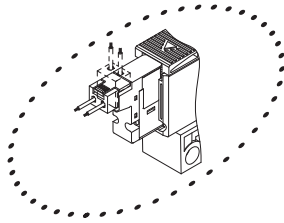


● External pilot type (K)



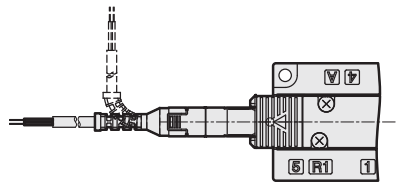
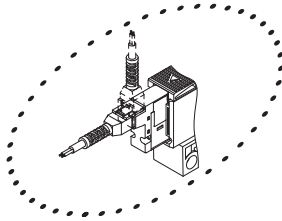
Dimensions

● E type connector type (E)

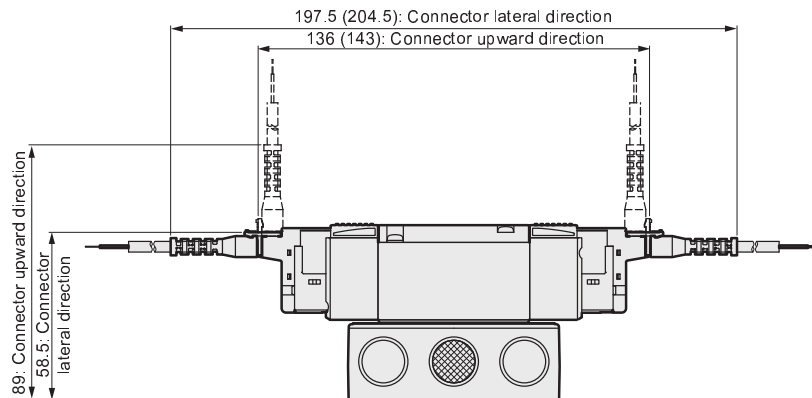


Note: Values in () apply for 100 VAC

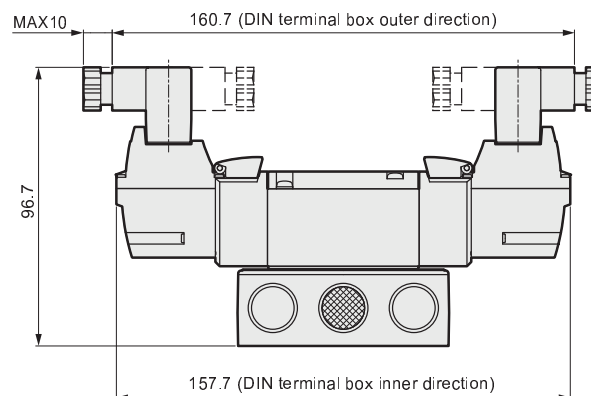
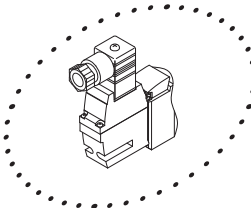
● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC



● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

4GB3 Series

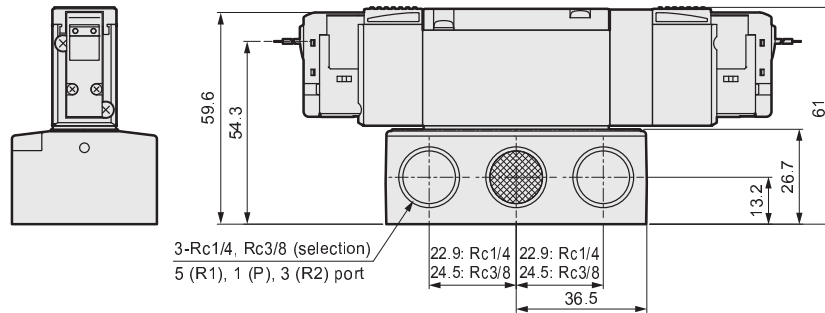
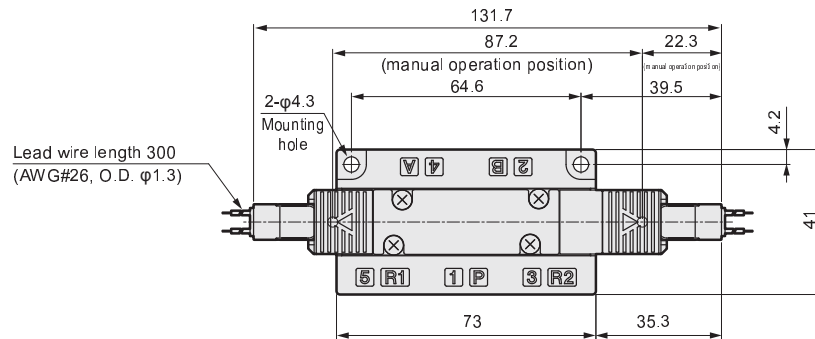
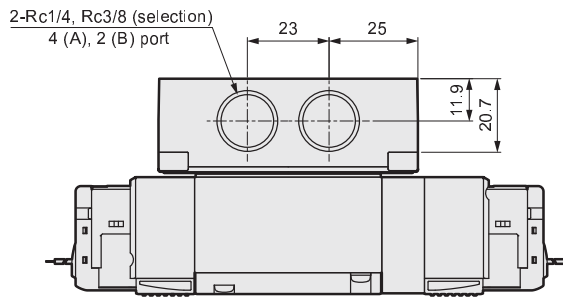
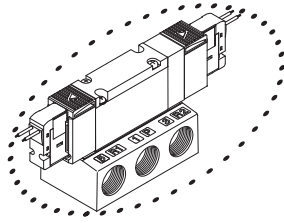
Discrete valve; base piping

Dimensions

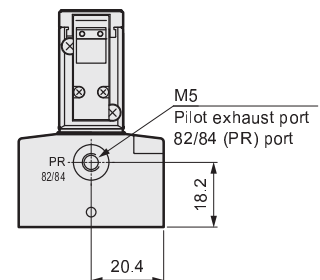
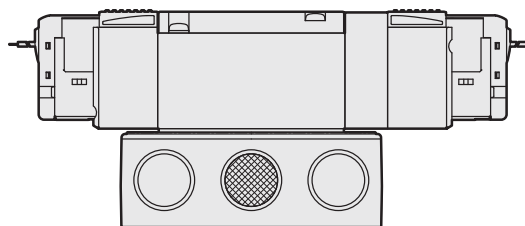
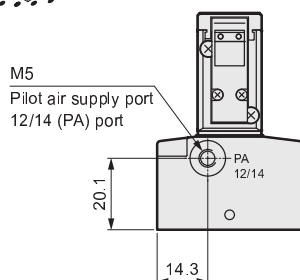
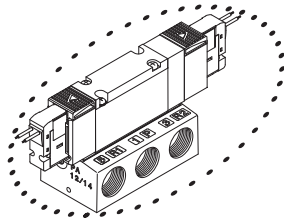


4GB3 0R * Please refer to page 80 and page 89 for the NPT threads and G threads specifications.

- 3 position
- Grommet lead wire (blank)

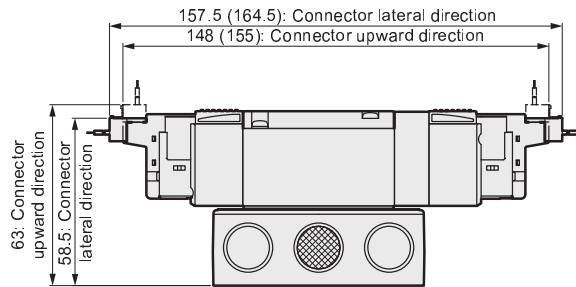
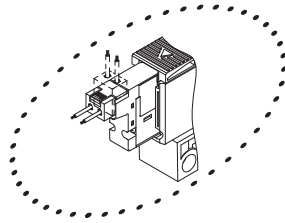


- External pilot type (K)



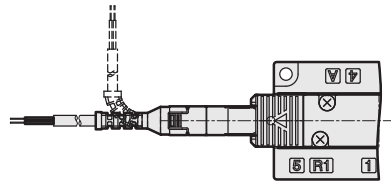
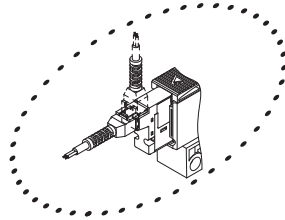
Dimensions

● E type connector type (E)

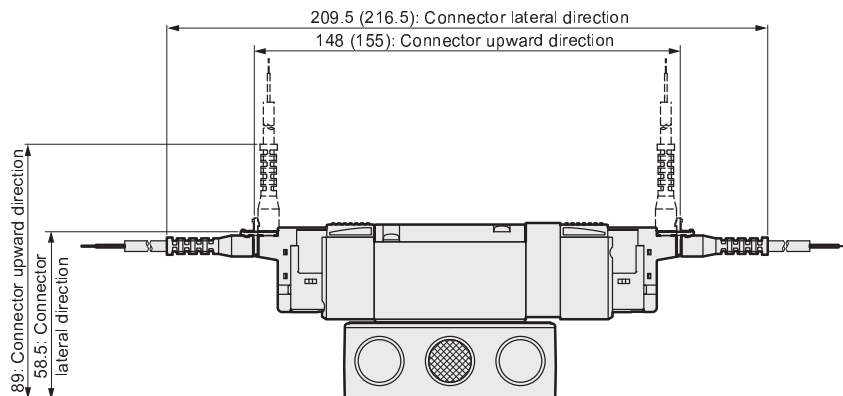


Note: Values in () apply for 100 VAC

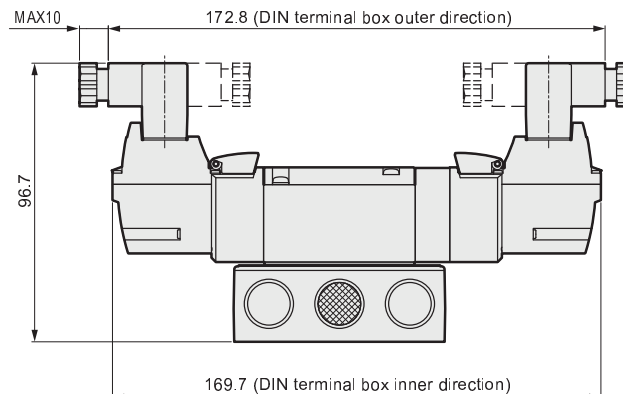
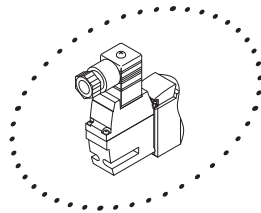
● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC



● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master Valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

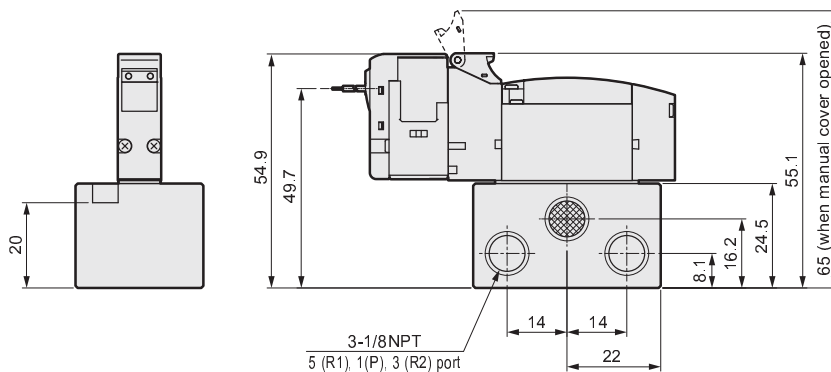
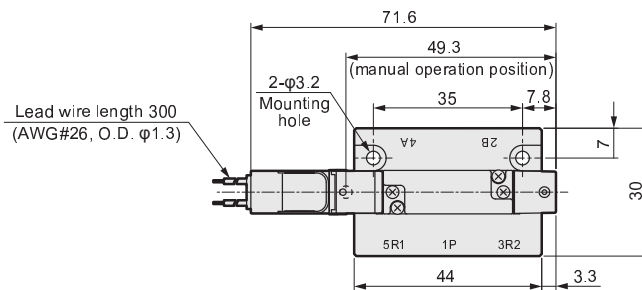
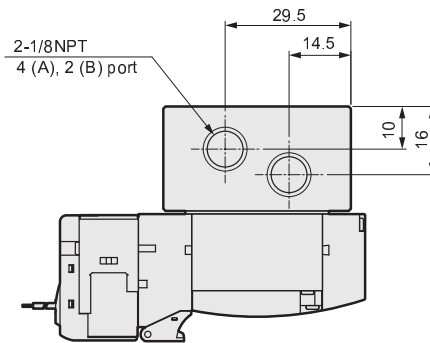
3GB1 & 4GB1 Series

Discrete valve; base piping

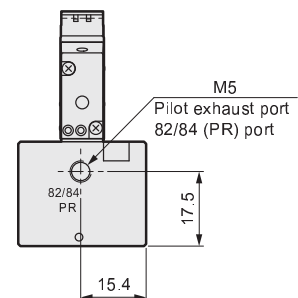
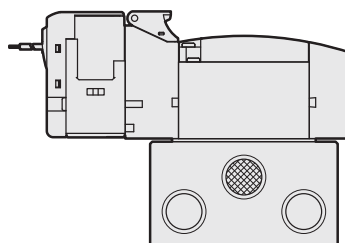
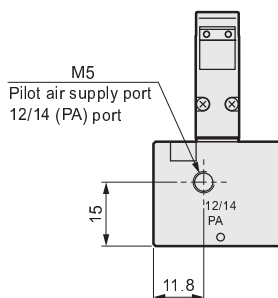
Dimensions Port size; NPT thread

3GB1⁶⁶0R, 4GB1¹0R
⁶⁷₇₆
⁷⁷₅

- 2-position single
Grommet lead wire (blank)

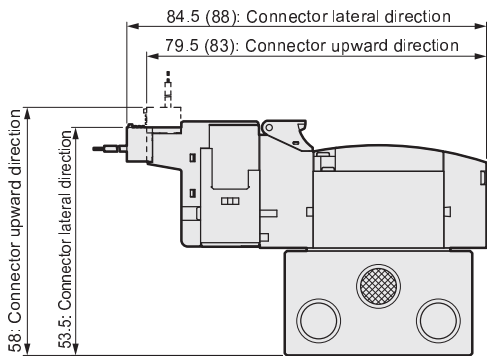


- External pilot type (K)



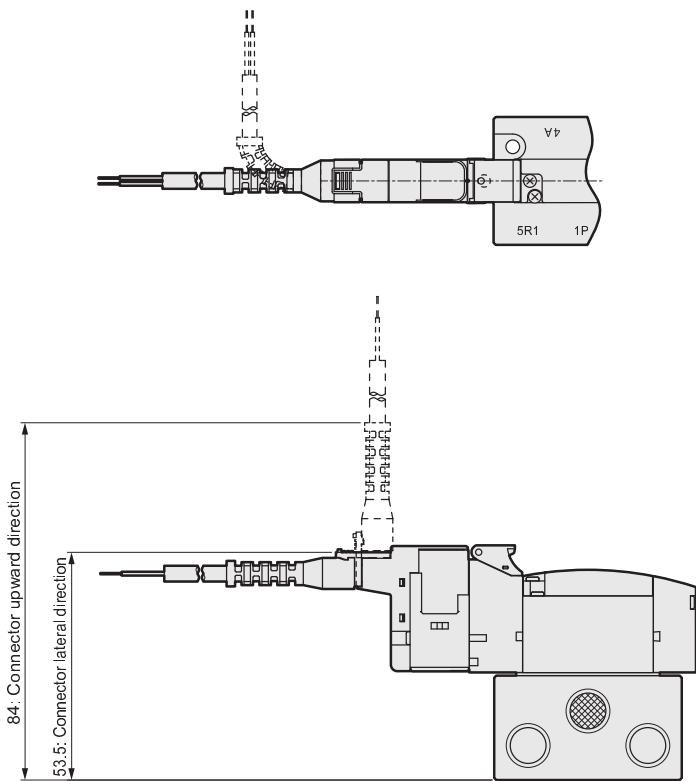
Dimensions Port size; NPT thread

● E type connector type (E)



Note: Values in () apply for 100 VAC.

● EJ type connector type (E**J)



4GA/B	M4GA/B	MN4GA/B	4GA/B Master valve	4GD/E	M4GD/E	MN4GD/E	Technical data	Safety precautions	Manifold Specifications
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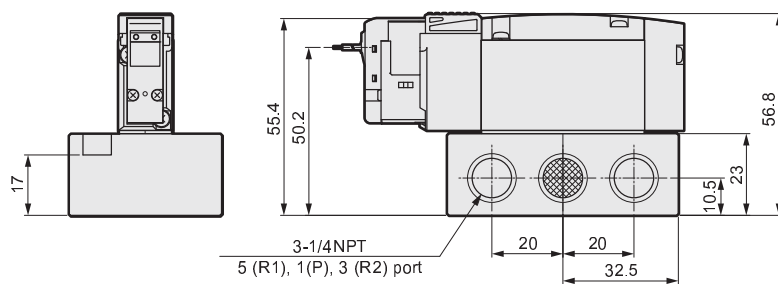
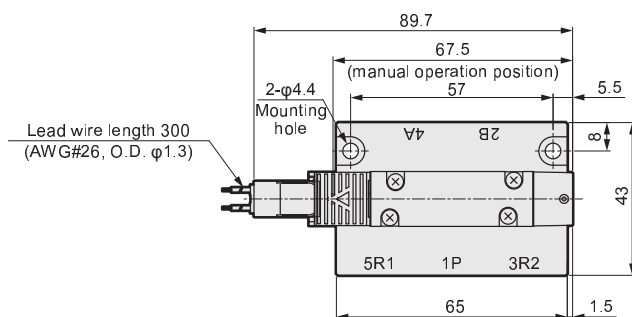
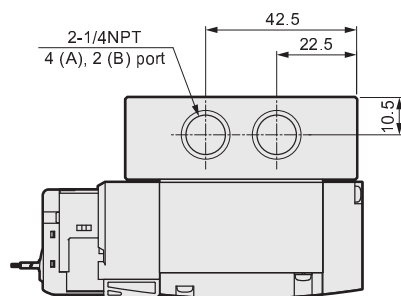
3GB2 & 4GB2 Series

Discrete valve; base piping

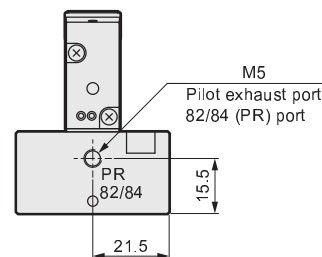
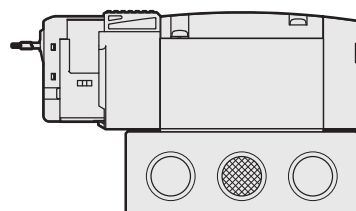
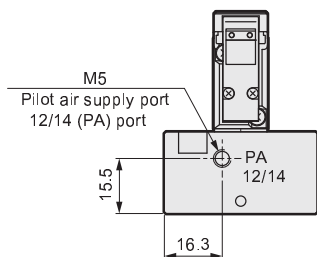
Dimensions Port size; NPT thread

3GB2 0R, 4GB2 0R

- 2-position single
Grommet lead wire (blank)

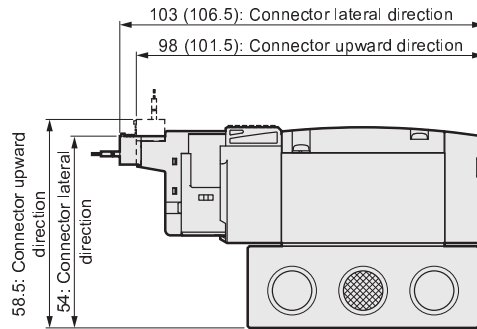


- External pilot type (K)



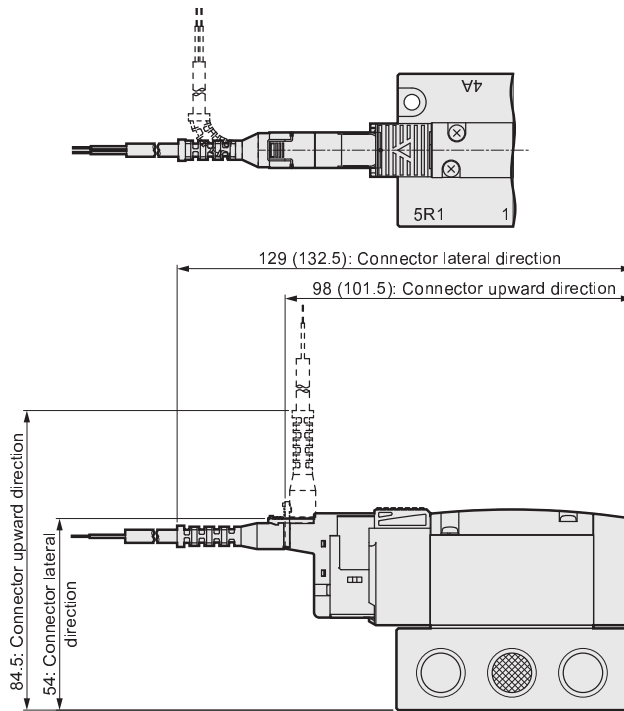
Dimensions Port size; NPT thread

● E type connector type (E)



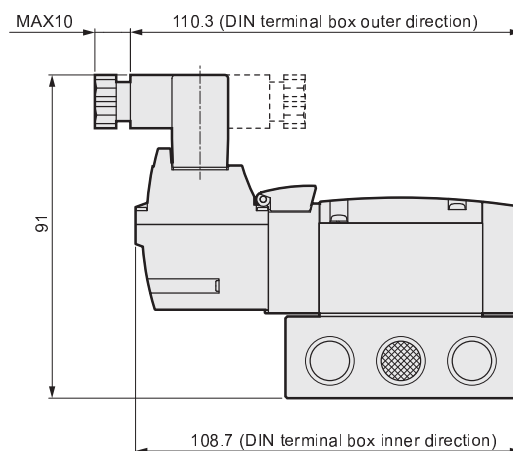
Note: Values in () apply for 100 VAC.

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC.

● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

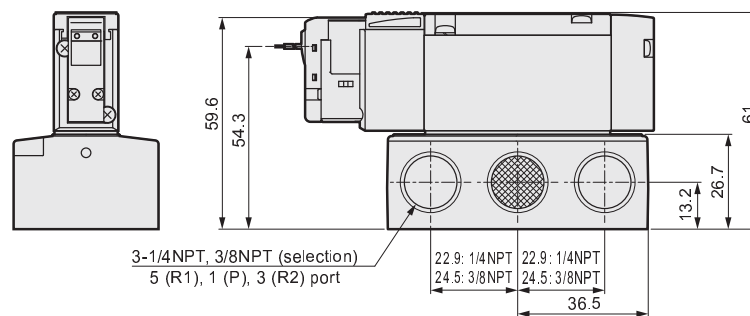
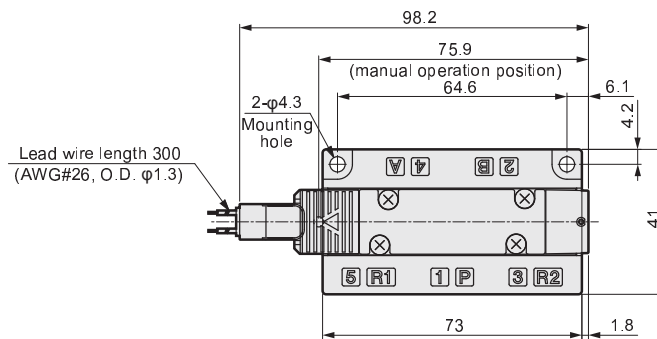
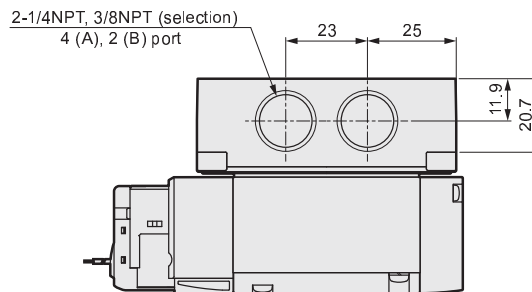
4GB3 Series

Discrete valve; base piping

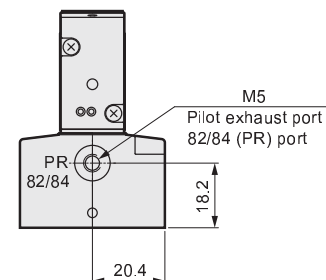
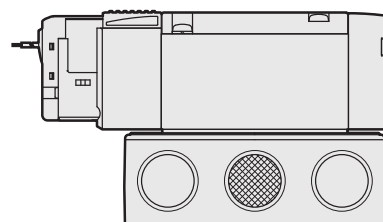
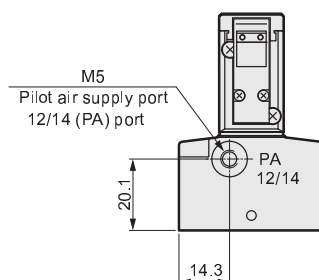
Dimensions Port size; NPT thread

4GB3 0R

- 2-position single
Grommet lead wire (blank)

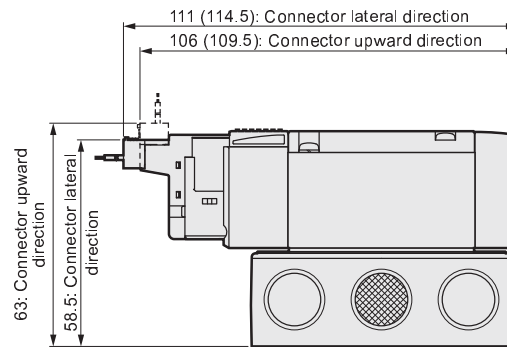


- External pilot type (K)



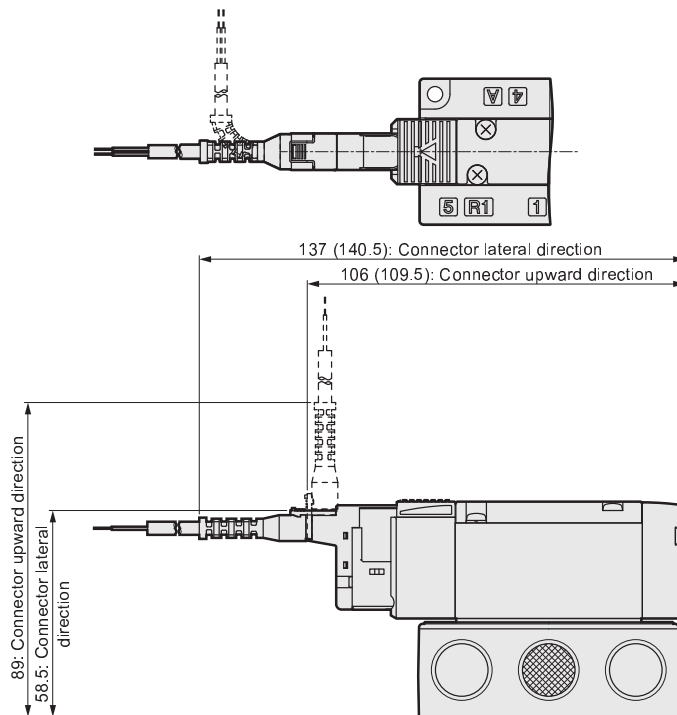
Dimensions Port size; NPT thread

● E type connector type (E)



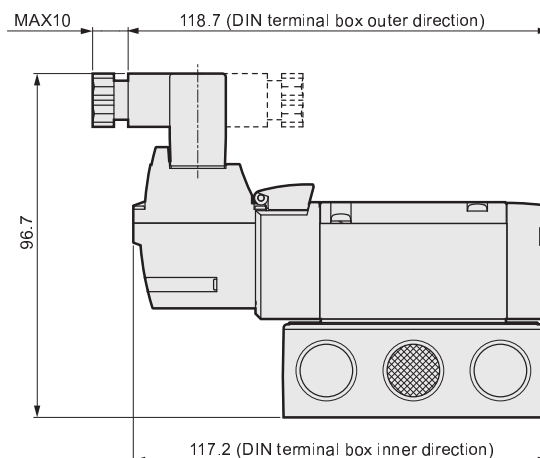
Note: Values in () apply for 100 VAC.

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC.

● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications

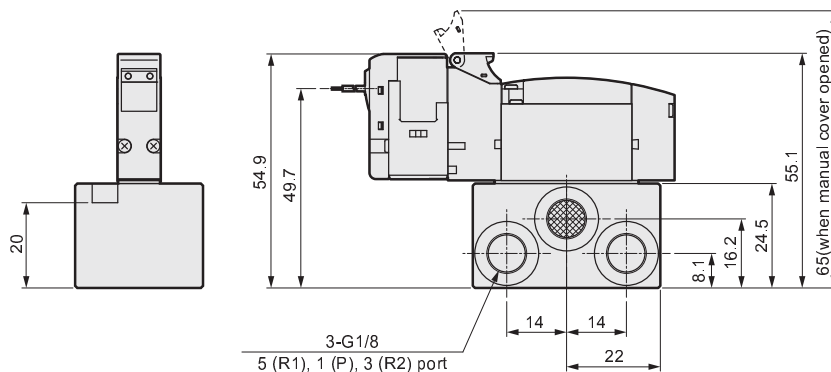
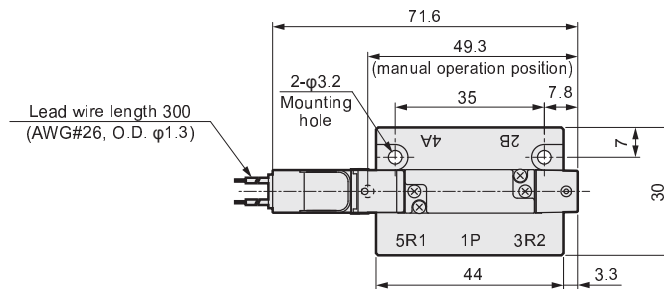
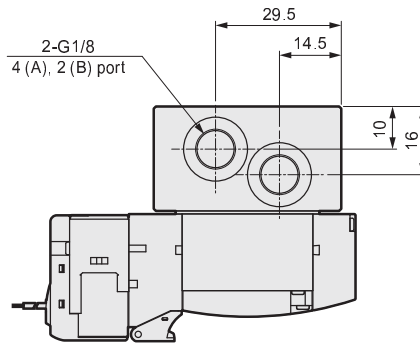
3GB1 & 4GB1 Series

Discrete valve; base piping

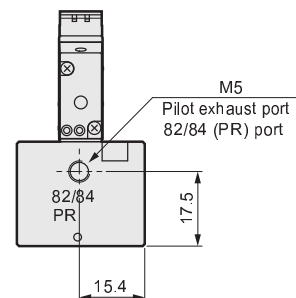
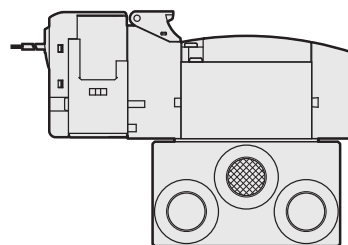
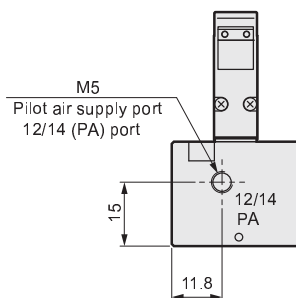
Dimensions Port size; G thread

3GB1⁶⁶0R, 4GB1⁶⁶0R
67
76
77

- 2-position single
Grommet lead wire (blank)

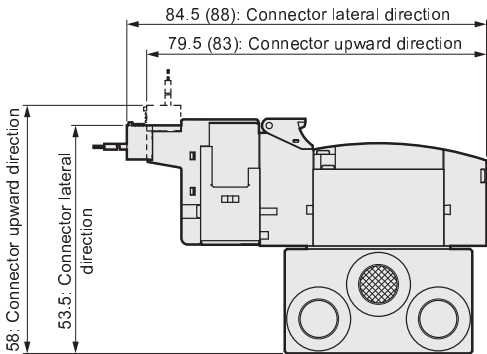


- External pilot type (K)



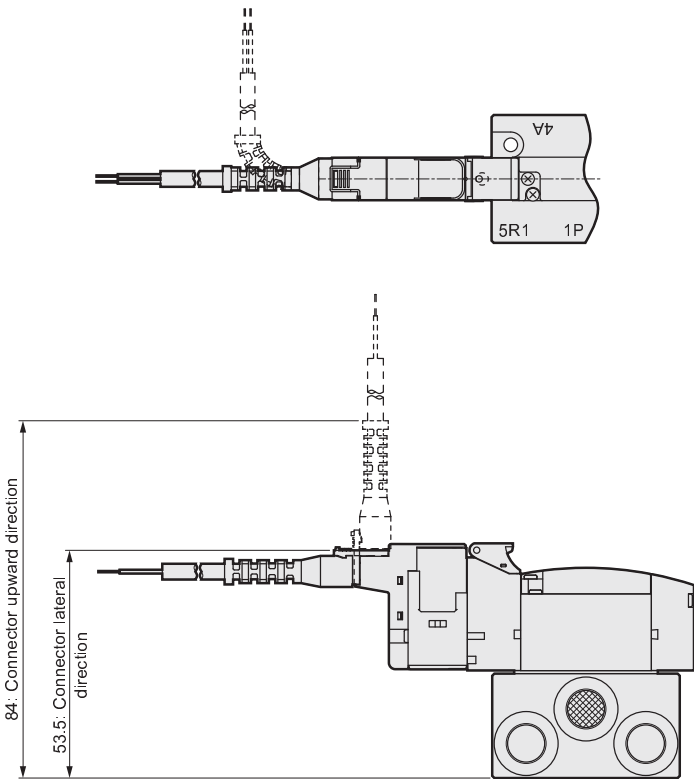
Dimensions Port size; G thread

● E type connector type (E)



Note: Values in () apply for 100 VAC.

● EJ type connector type (E**J)



4GA/B	M4GA/B	MN4GA/B	4GA/B Master valve	4GD/E	M4GD/E	MN4GD/E	Technical data	Safety precautions	Manifold Specifications
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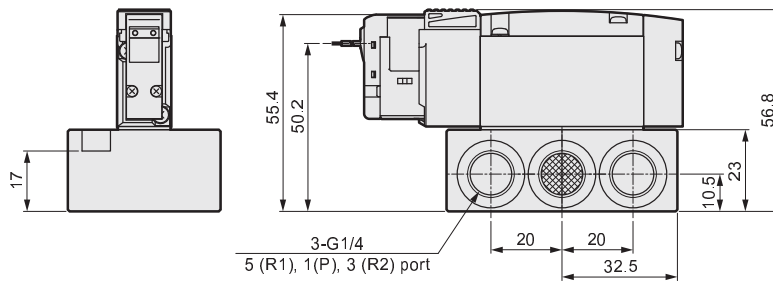
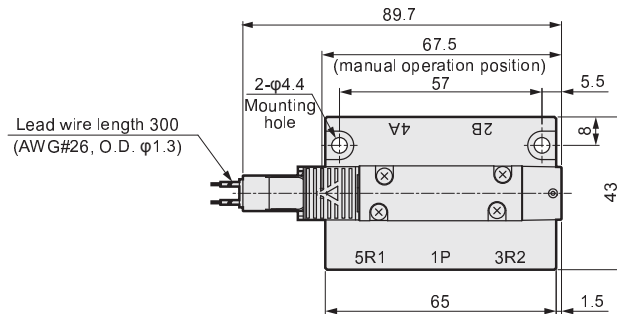
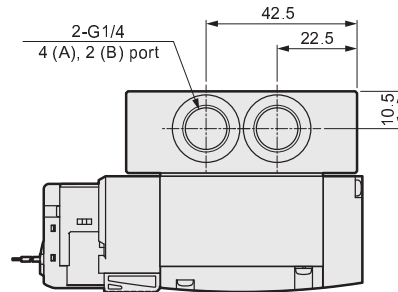
3GB2 & 4GB2 Series

Discrete valve; base piping

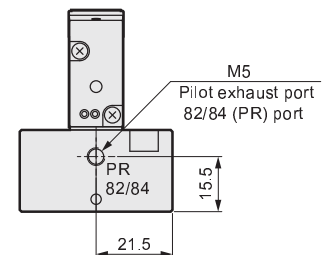
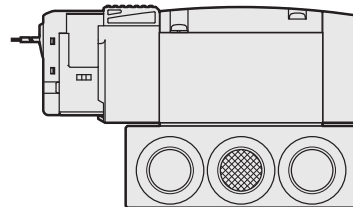
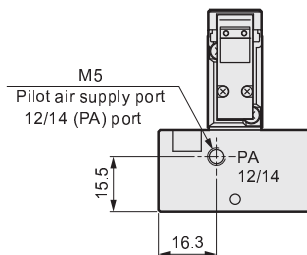
Dimensions Port size; G thread

3GB2 0R, 4GB2 0R

- 2-position single
Grommet lead wire (blank)

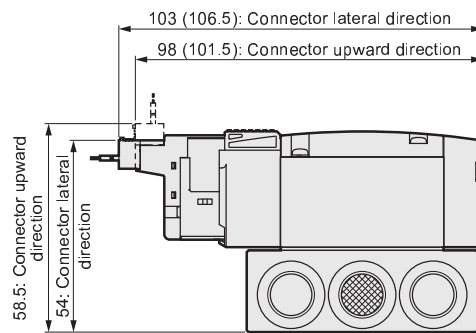


- External pilot type (K)



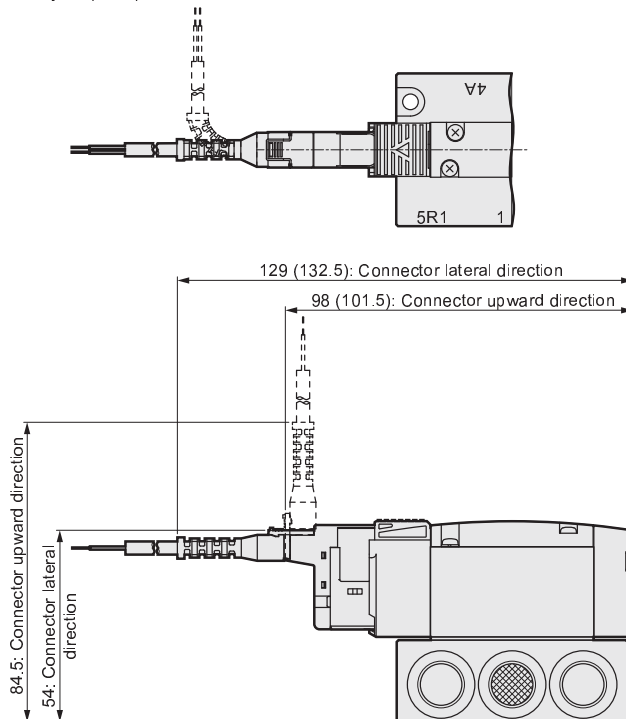
Dimensions Port size; G thread

● E type connector type (E)



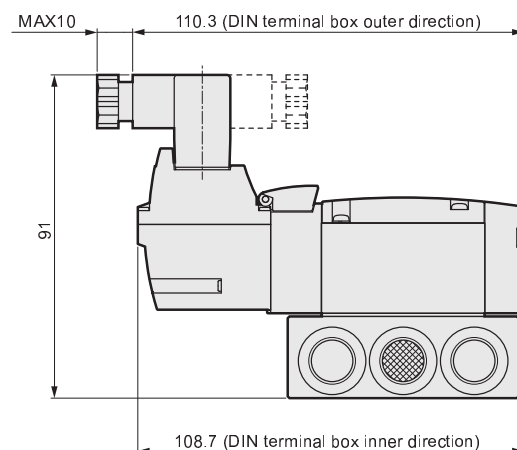
Note: Values in () apply for 100 VAC.

● EJ type connector type (E**J)



Note: Values in () apply for 100 VAC

● DIN terminal box type (B)



Note: The DIN terminal box assembly is shipped facing inward.

4GA/B

M4GA/B

MN4GA/B

4GA/B
Master valve

4GD/E

M4GD/E

MN4GD/E

Technical data

Safety
precautions

Manifold
Specifications