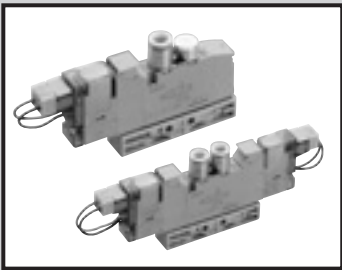


4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E MN4E
W4GA/B2
W4GB4
MN3S0 MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G GMF
PV5 GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP NVP
4G*0EJ
4F*0EX
4F*0E
HMV HSV
2QV 3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending



Discrete valve
Body piping

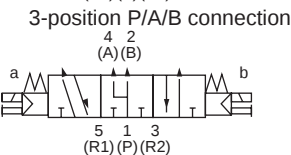
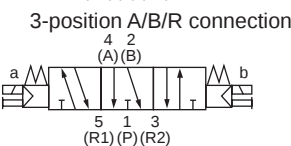
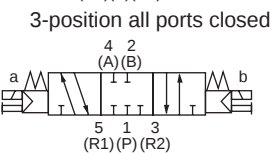
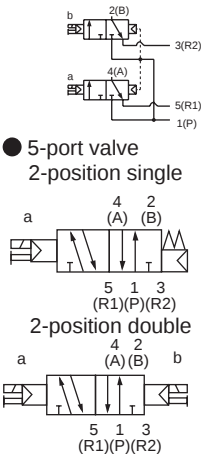
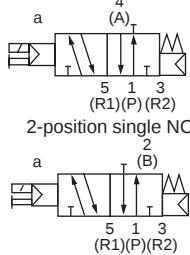
3GD1/2/3 / 4GD1/2/3 Series

● Cylinder bore size: ø20 to ø100



JIS symbol

- 3-port valve
2-position single NC
- Two 3-port valves integrated
(A side valve: NC, B side valve: NC)
- 5-port valve
2-position single



Common specifications

Item	Description
Valve and operation	Pilot operated soft spool valve
Working fluid	Compressed air
Max. working pressure MPa	0.7 (≈100 psi, 7 bar)
Min. working pressure MPa	0.2 (≈29 psi, 2 bar)
Proof pressure MPa	1.05 (≈150 psi, 10.5 bar)
Ambient temperature °C	-5 (23°F) to 55 (131°F) (no freezing)
Fluid temperature °C	5 (41°F) to 55 (131°F)
Manual override	Non-locking/locking common type
Pilot exhaust method	Main valve/pilot valve common exhaust type
Lubrication (*1)	Not required
Degree of protection (*2)	Dust-proof
Vibration resistance m/s ²	50 or less
Shock resistance m/s ²	300 or less
Atmosphere	Cannot be used in corrosive gas environments

- *1: Use turbine oil Class 1 ISO VG32 for lubrication.
Excessive or intermittent lubrication results in unstable operation.
- *2: Avoid water drops or oil, etc., during use.
IP65 (jet-proof) applies for DIN terminal box specifications. However, the specified outer diameter of the applicable cord and tightening torque must be used for fixing in place.

Individual specifications

Item	3GD1	3GD2	3GD3	4GD1	4GD2	4GD3
Port size	Push-in fitting ø4, ø6 M5	Push-in fitting ø4, ø6, ø8 Rc1/8	Push-in fitting ø6, ø8, ø10 Rc1/4	Push -in fitting ø4, ø6 M5	Push-in fitting ø4, ø6, ø8 Rc1/8	Push-in fitting ø6, ø8, ø10 Rc1/4
	M5	Rc1/8	Rc1/4	M5	Rc1/8	Rc1/4

Performance/characteristics by model

Item		3GD1		3GD2		3GD3		4GD1		4GD2		4GD3	
		ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF	ON	OFF
Response time ms	Two 3-port valves integrated	12	15	15	30	-	-	-	-	-	-	-	-
	2-position Single	15	25	20	30	25	40	15	25	20	30	25	40
	Double	-	-	-	-	-	-	15	-	20	-	25	-
	3-position ABR connection	-	-	-	-	-	-	20	30	25	35	35	50

Values with lamp/surge suppressor are shown. The response time is the value with supply pressure of 0.5 MPa at 20°C without lubrication. It depends on the pressure and the lubricant quality.

Weight

Item			3GD1	3GD2	3GD3	4GD1	4GD2	4GD3
Weight g	Single	Grommet lead wire	48(41)	110(80)	144(102)	48(41)	115(85)	153(111)
		E-connector	50(43)	112(82)	146(104)	50(43)	117(87)	155(113)
		DIN terminal box	-	147(117)	178(136)	-	152(122)	187(145)
	2-position	Grommet lead wire	-	-	-	65(58)	133(103)	175(129)
		E-connector	-	-	-	69(62)	137(107)	179(133)
		DIN terminal box	-	-	-	-	176(146)	215(169)
	3-position	Grommet lead wire	-	-	-	67(60)	145(115)	184(142)
		E-connector	-	-	-	71(64)	149(119)	188(146)
		DIN terminal box	-	-	-	-	188(158)	224(182)

• Values in () do not include the pipe adaptor. Values for the E-connector include the socket assembly (with 300 mm lead wire). Weight for E-connector is E-connector to Add 16 g/pc.

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

Flow characteristics

Model No.	Solenoid position		P → A/B		A/B → R1/R2	
			C[dm ³ /(s·bar)]	b	C[dm ³ /(s·bar)]	b
3GD1 4GD1	Two 3-port valves integrated		0.98	0.45	0.71	0.34
	2-position		1.2	0.47	0.72	0.37
	3-position	All ports closed	1.1	0.39	0.70	0.34
		ABR connection	1.1	0.33	0.72	0.34
		PAB connection	1.3	0.61	0.72	0.36
3GD2 4GD2	Two 3-port valves integrated		1.8	0.29	2.3	0.32
	2-position		2.4	0.33	2.8	0.30
	3-position	All ports closed	2.2	0.28	2.5	0.28
		ABR connection	2.3	0.26	2.8	0.27
		PAB connection	2.5	0.38	2.4	0.30
3GD3 4GD3	2-position		3.4	0.29	4.0	0.24
	3-position	All ports closed	3.1	0.27	3.4	0.28
		ABR connection	3.1	0.33	4.1	0.20
		PAB connection	3.5	0.43	3.4	0.32

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

Ozone-proof specifications • Coolant proof specifications

Can be selected with “How to order” Item ⑤ option “A” on page 444.

Specifications for rechargeable battery (Catalog No. CC-1226A)

● For use in the rechargeable battery manufacturing process, materials used for air path and sliding section are limited

** - Voltage - P4

CE marking specifications

** - Voltage - ST

• Standard voltage of 24 VDC or less is CE marking-compatible even if the model No. is not indicated with “ST”.

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HNV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

3GD1/2/3 / 4GD1/2/3 Series

Discrete valve; body piping

[Electrical connections list]

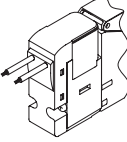
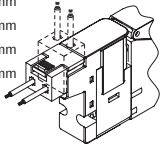
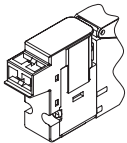
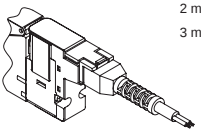
		A Model No.					
		3GD1	3GD2	3GD3	4GD1	4GD2	4GD3
D Electrical connections							
Blank	Grommet lead wire (300 mm) (*6)	●	●	●	●	●	●
B	DIN terminal box (Pg7) with surge suppressor/lamp (*7) (*9)		●	●		●	●
BN	DIN terminal box (Pg7) (without terminal box) with surge suppressor (*7) (*9)		●	●		●	●
E-connector (upward/lateral common)							
E0	Lead wire (300 mm) (*8)	●	●	●	●	●	●
E00	Lead wire (500 mm) (*8)	●	●	●	●	●	●
E01	Lead wire (1000 mm) (*8)	●	●	●	●	●	●
E02	Lead wire (2000 mm) (*8)	●	●	●	●	●	●
E03	Lead wire (3000 mm) (*8)	●	●	●	●	●	●
E0N	Without lead wire (without socket) (*8)	●	●	●	●	●	●
E1	Without lead wire (socket/terminal attached) (*8)	●	●	●	●	●	●
E2	Lead wire (300 mm), surge suppressor/indicator lamp	●	●	●	●	●	●
E20	Lead wire (500 mm), surge suppressor/indicator lamp	●	●	●	●	●	●
E21	Lead wire (1000 mm), surge suppressor/indicator lamp	●	●	●	●	●	●
E22	Lead wire (2000 mm), surge suppressor/indicator lamp	●	●	●	●	●	●
E23	Lead wire (3000 mm), surge suppressor/indicator lamp	●	●	●	●	●	●
E2N	No lead wire (without socket), surge suppressor/indicator lamp	●	●	●	●	●	●
E3	No lead wire (with socket/terminal), surge suppressor/indicator lamp	●	●	●	●	●	●
EJ type connector (socket with cover, upward/lateral common)							
E01J	Lead wire (1000 mm) (*8)	●	●	●	●	●	●
E02J	Lead wire (2000 mm) (*8)	●	●	●	●	●	●
E03J	Lead wire (3000 mm) (*8)	●	●	●	●	●	●
E21J	Lead wire (1000 mm), surge suppressor/indicator lamp	●	●	●	●	●	●
E22J	Lead wire (2000 mm), surge suppressor/indicator lamp	●	●	●	●	●	●
E23J	Lead wire (3000 mm), surge suppressor/indicator lamp	●	●	●	●	●	●

*6: Grommet lead wire specifications are compatible with DC voltage only.

*7: A lamp comes with the terminal box.

*8: AC voltage is with a rectifier circuit.

*9: The terminal box conforms to EN175301-803 Type C (former DIN 43650-C).
Refer to pages 856 and 857 for details.

Electrical connections		4GA/B
Discrete valve/individual wiring manifold		M4GA/B
Blank	Grommet lead wire	MN4GA/B
	E1 E3 E-connector with socket/terminal	4GA/B (master)
Lead wire length 300 mm 		4GB With sensor
E0 E2 E-connector B DIN terminal box Lead wire length 300 mm 500 mm 1000 mm 2000 mm 3000 mm 		4GD/E M4GD/E MN4GD/E
E0N E2N E-connector without socket BN DIN terminal box without terminal box 		4GA4/B4 MN3E MN4E W4GA/B2 W4GB4 MN3S0 MN4S0 4SA/B0
E0*J E2*J EJ type connector Lead wire length 1 m 2 m 3 m 		4KA/B 4KA/B (master) 4F 4F (master) PV5G GMF PV5 GMF PV5S-0 3Q MV3QR 3MA/B0 3PA/B P/M/B NP/NAP NVP 4G*0EJ 4F*0EX 4F*0E HNV HSV 2QV 3QV SKH Silencer TotAirSys (Total Air) TotAirSys (Gamma) Ending

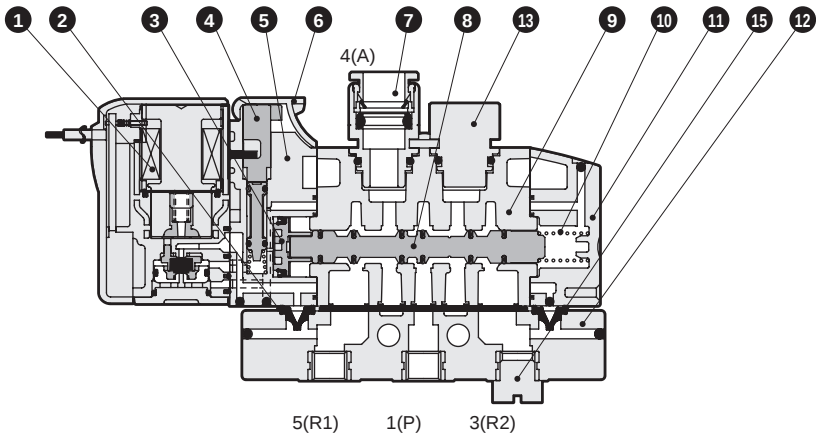
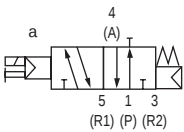
3GD1 Series

Discrete valve; body piping

Internal structure and parts list

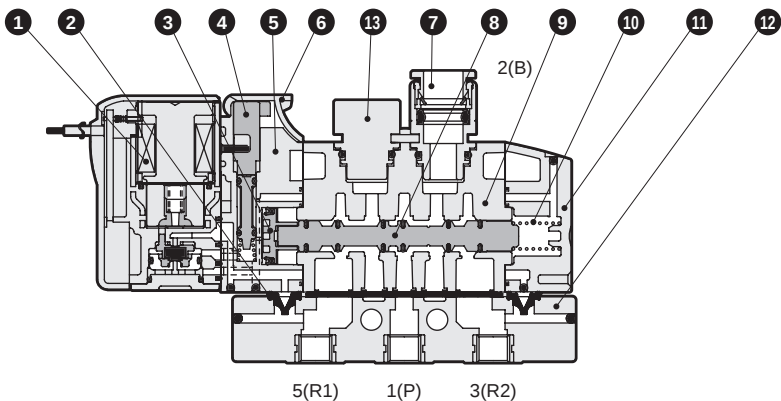
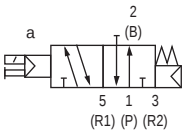
3GD110R

- 2-position single: Normally closed
- Grommet lead wire (blank)



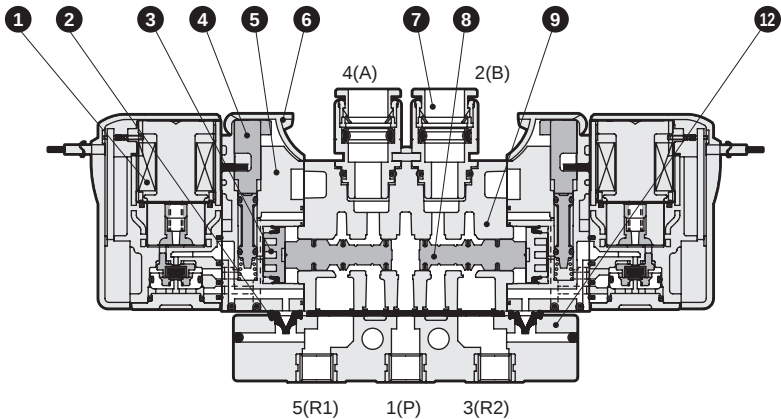
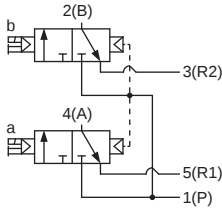
3GD1110R

- 2-position single: Normally open
- Grommet lead wire (blank)



3GD1660R

- Two 3-port valves integrated
- Grommet lead wire (blank)
- A side valve: Normally closed,
- B side valve: Normally closed



Main parts list

No.	Part name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Cartridge push-in fitting	-
8	Spool assembly	-
9	Body	Aluminum alloy die-casting
10	Spool spring	Stainless steel
11	Cap	Resin
12	Pipe adaptor	Resin
13	Plug cartridge	Aluminum
15	M5 plug	Copper alloy + nickel plating

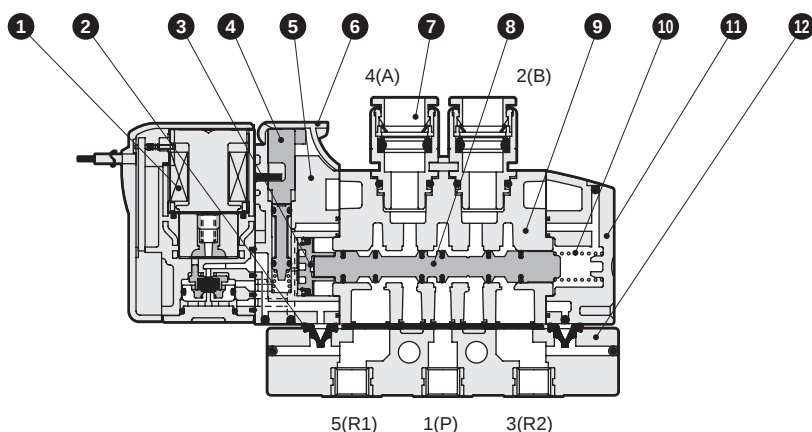
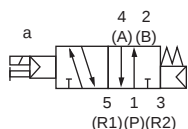
Parts list

No.	Part name	Model No.
1	Coil assembly	4GR - electrical connections - ☐ - COIL - voltage
		Blank: Standard A: Ozone specifications
7	Cartridge push-in fitting and related parts	Blank: Grommet lead wire
		ø4 straight 4G1R-JOINT-C4
		ø6 straight 4G1R-JOINT-C6
	Plug cartridge	4G1R-JOINT-CPG

Internal structure and parts list

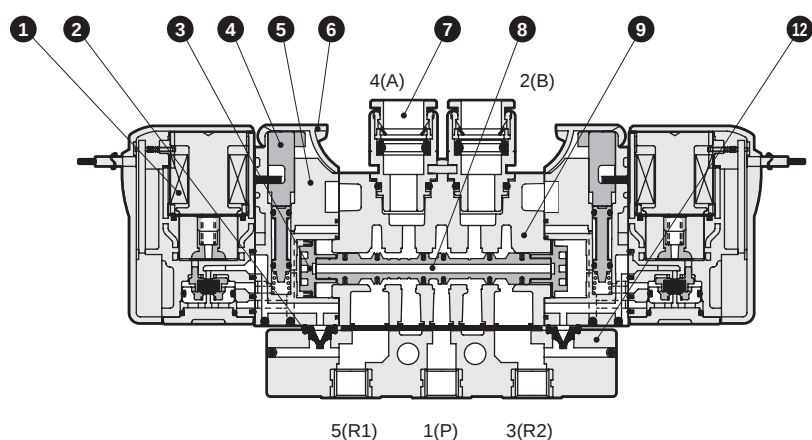
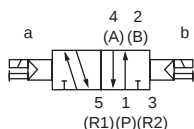
4GD110R

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



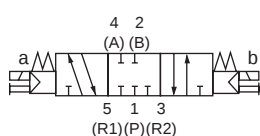
4GD120R

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

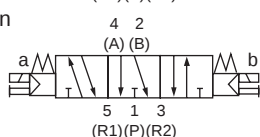


4GD1³0R

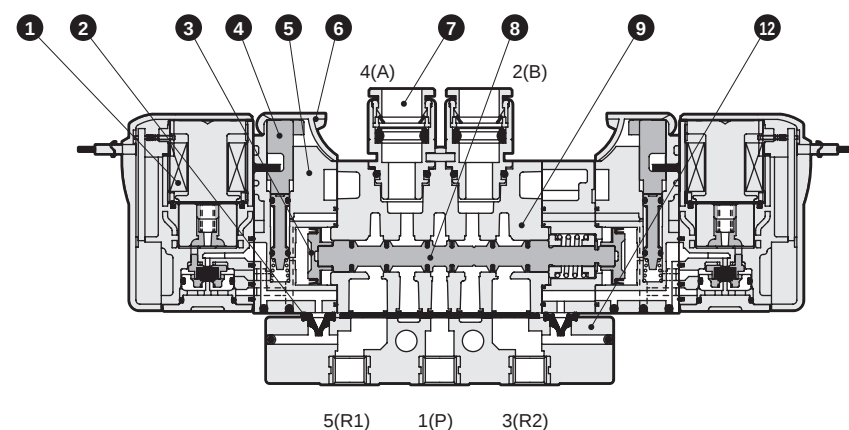
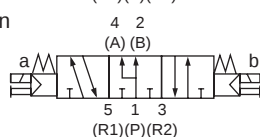
- 3-position
- Grommet lead wire (blank)
- All ports closed



A/B/R connection



P/A/B connection



Main parts list

No.	Part name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Cartridge push-in fitting	-
8	Spool assembly	-
9	Body	Aluminum alloy die-casting
10	Spool spring	Stainless steel
11	Cap	Resin
12	Pipe adaptor	Resin

Parts list

No.	Part name	Model No.
1	Coil assembly	4GR - [electrical connections] - □ - COIL - [voltage] Blank: Standard A: Ozone specifications Blank: Grommet lead wire
7	Cartridge push-in fitting and related parts	ø4 straight ø6 straight Plug cartridge 4G1R-JOINT-C4 4G1R-JOINT-C6 4G1R-JOINT-CPG

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

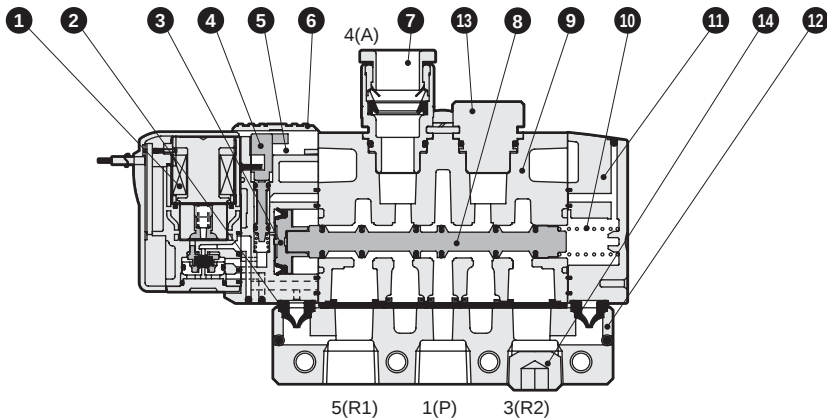
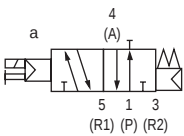
3GD2/3 Series

Discrete valve; body piping

Internal structure and parts list

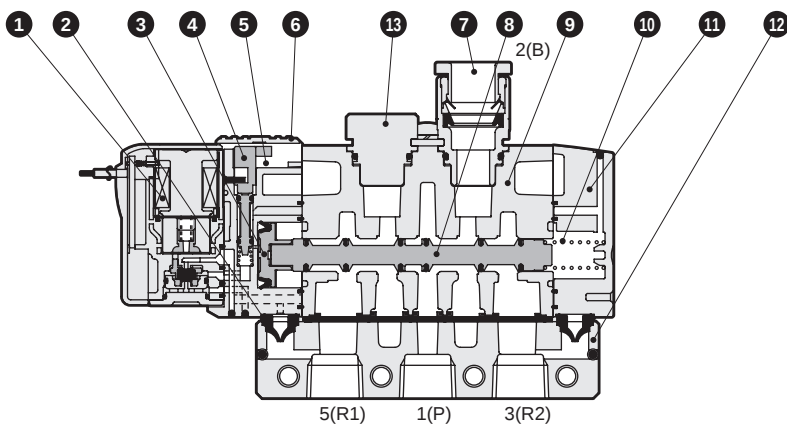
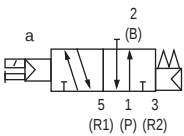
3GD210R/3GD310R

- 2-position single: Normally closed
- Grommet lead wire (blank)



3GD2110R/3GD3110R

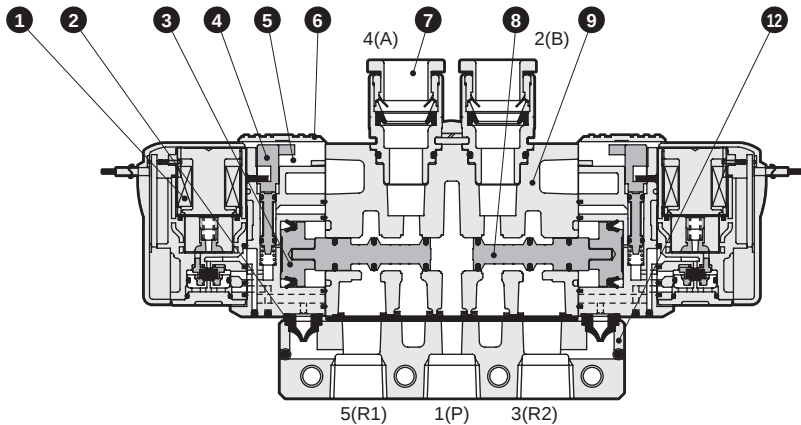
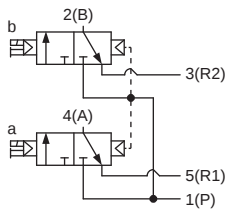
- 2-position single: Normally open
- Grommet lead wire (blank)



3GD2660R

- Two 3-port valves integrated
- Grommet lead wire (blank)

A side valve: Normally closed,
B side valve: Normally closed



Main parts list

No.	Part name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber
3	Piston assembly	-
4	Manual override	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Cartridge push-in fitting	-
8	Spool assembly	-
9	Body	Aluminum alloy die-casting
10	Spool spring	Stainless steel
11	Cap	Resin
12	Pipe adaptor	Aluminum alloy die-casting
13	Plug cartridge	Aluminum
14	Hexagon socket plug	Steel

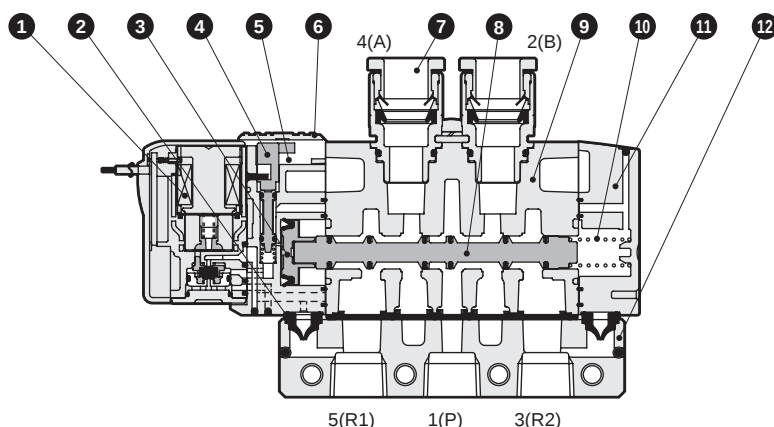
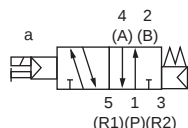
Parts list

No.	Part name	Model No.																								
1	Coil assembly	4GR - electrical connections - ☐ - COIL - voltage Blank: Standard A: Ozone specifications Blank: Grommet lead wire																								
7	Cartridge push-in fitting and related parts	<table><tr><td>3G2</td><td>ø4 straight</td><td>4G2R-JOINT-C4</td></tr><tr><td></td><td>ø6 straight</td><td>4G2R-JOINT-C6</td></tr><tr><td></td><td>ø8 straight</td><td>4G2R-JOINT-C8</td></tr><tr><td></td><td>Plug cartridge</td><td>4G2R-JOINT-CPG</td></tr><tr><td>3G3</td><td>ø6 straight</td><td>4G3R-JOINT-C6</td></tr><tr><td></td><td>ø8 straight</td><td>4G3R-JOINT-C8</td></tr><tr><td></td><td>ø10 straight</td><td>4G3R-JOINT-C10</td></tr><tr><td></td><td>Plug cartridge</td><td>4G3R-JOINT-CPG</td></tr></table>	3G2	ø4 straight	4G2R-JOINT-C4		ø6 straight	4G2R-JOINT-C6		ø8 straight	4G2R-JOINT-C8		Plug cartridge	4G2R-JOINT-CPG	3G3	ø6 straight	4G3R-JOINT-C6		ø8 straight	4G3R-JOINT-C8		ø10 straight	4G3R-JOINT-C10		Plug cartridge	4G3R-JOINT-CPG
3G2	ø4 straight	4G2R-JOINT-C4																								
	ø6 straight	4G2R-JOINT-C6																								
	ø8 straight	4G2R-JOINT-C8																								
	Plug cartridge	4G2R-JOINT-CPG																								
3G3	ø6 straight	4G3R-JOINT-C6																								
	ø8 straight	4G3R-JOINT-C8																								
	ø10 straight	4G3R-JOINT-C10																								
	Plug cartridge	4G3R-JOINT-CPG																								

Internal structure and parts list

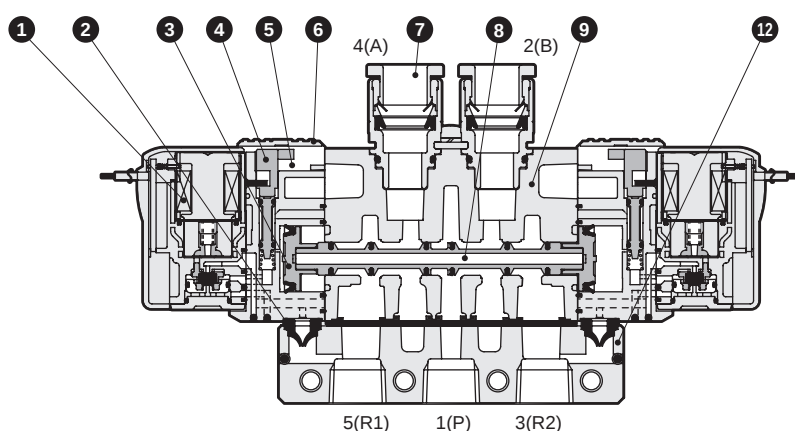
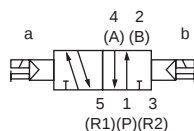
4GD210R/4GD310R

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



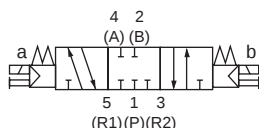
4GD220R/4GD320R

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

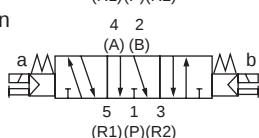


4GD2₃0R/4GD3₃0R

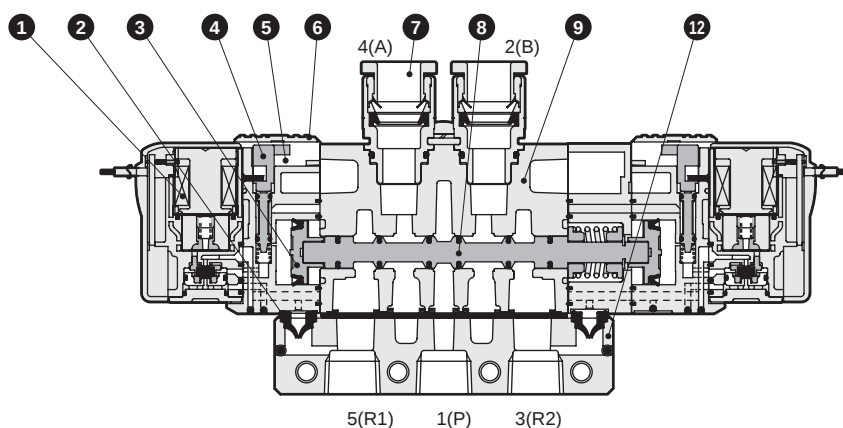
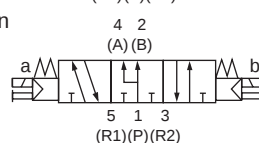
- 3-position
- Grommet lead wire (blank)
- All ports closed



A/B/R connection



P/A/B connection



Main parts list

No.	Part name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Cartridge push-in fitting	-
8	Spool assembly	-
9	Body	Aluminum alloy die-casting
10	Spool spring	Stainless steel
11	Cap	Resin
12	Pipe adaptor	Aluminum alloy die-casting

Parts list

No.	Part name	Model No.																		
1	Coil assembly	4GR - [electrical connections] - □ - COIL - [voltage] Blank: Standard A: Ozone specifications Blank: Grommet lead wire																		
7	Cartridge push-in fitting and related parts	<table> <tr> <td>4G2</td> <td>ø4 straight</td> <td>4G2R-JOINT-C4</td> </tr> <tr> <td></td> <td>ø6 straight</td> <td>4G2R-JOINT-C6</td> </tr> <tr> <td></td> <td>ø8 straight</td> <td>4G2R-JOINT-C8</td> </tr> <tr> <td>4G3</td> <td>ø6 straight</td> <td>4G3R-JOINT-C6</td> </tr> <tr> <td></td> <td>ø8 straight</td> <td>4G3R-JOINT-C8</td> </tr> <tr> <td></td> <td>ø10 straight</td> <td>4G3R-JOINT-C10</td> </tr> </table>	4G2	ø4 straight	4G2R-JOINT-C4		ø6 straight	4G2R-JOINT-C6		ø8 straight	4G2R-JOINT-C8	4G3	ø6 straight	4G3R-JOINT-C6		ø8 straight	4G3R-JOINT-C8		ø10 straight	4G3R-JOINT-C10
4G2	ø4 straight	4G2R-JOINT-C4																		
	ø6 straight	4G2R-JOINT-C6																		
	ø8 straight	4G2R-JOINT-C8																		
4G3	ø6 straight	4G3R-JOINT-C6																		
	ø8 straight	4G3R-JOINT-C8																		
	ø10 straight	4G3R-JOINT-C10																		

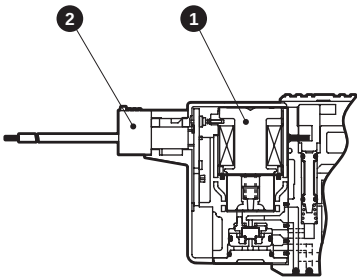
4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HMV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

3GD1/2/3 / 4GD1/2/3 Series

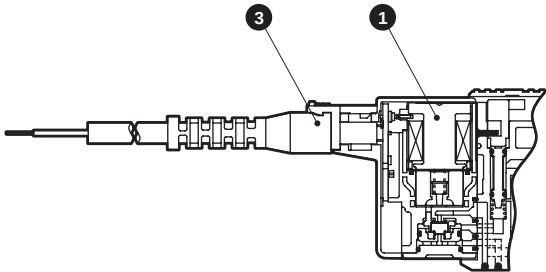
Discrete valve; body piping

Internal structure and parts list (electrical connections section)

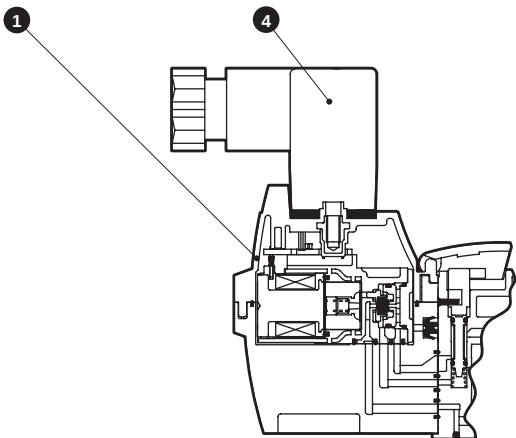
● E-connector E□□



● EJ type connector E□□J



● DIN terminal box B



Main parts list

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

Parts list

No.	Part name	Model No.
1	Coil assembly	4GR - [electrical connections] - □ - COIL - [voltage] Blank: Standard A: Ozone proof E* : E-connector E*J: Socket with cover type B* : DIN terminal box B includes the DIN terminal box BN does not include the DIN terminal box
2	E-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)
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

3GD1 Series

Discrete valve; body piping

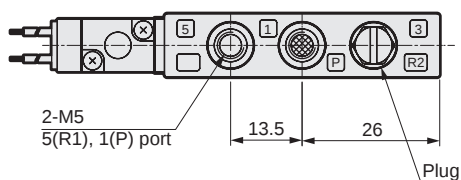
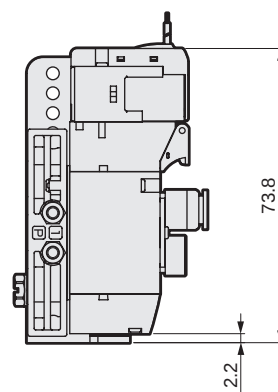
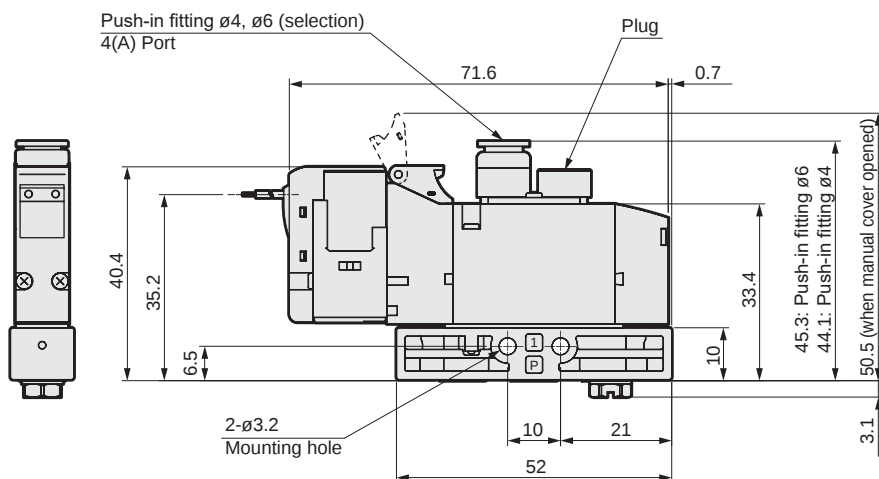
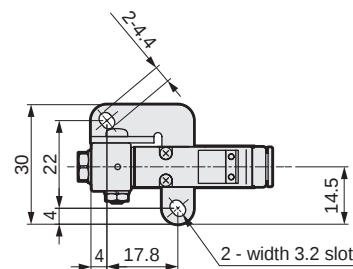
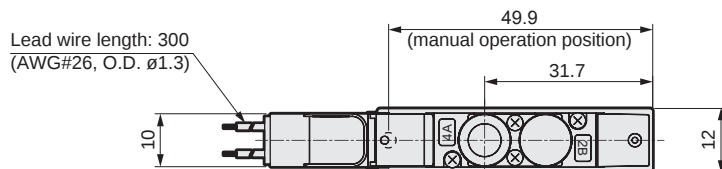
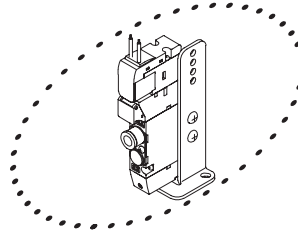
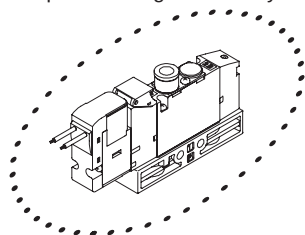
Dimensions



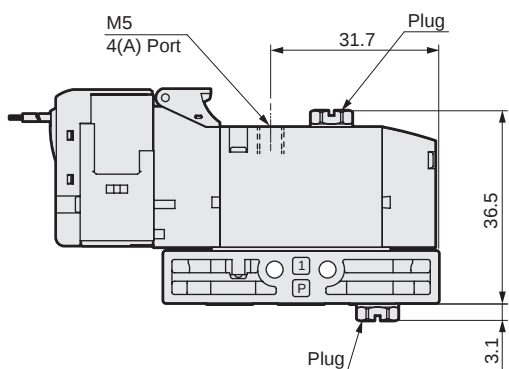
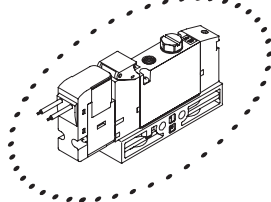
3GD110R

● 2-position single: Normally closed grommet lead wire (blank)

● Mounting plate (P)

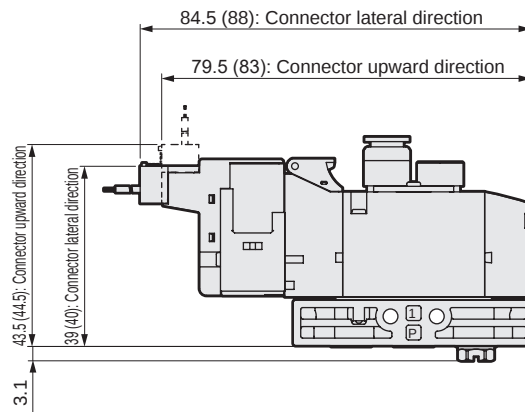
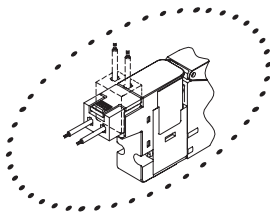


● M5 female thread (M5)



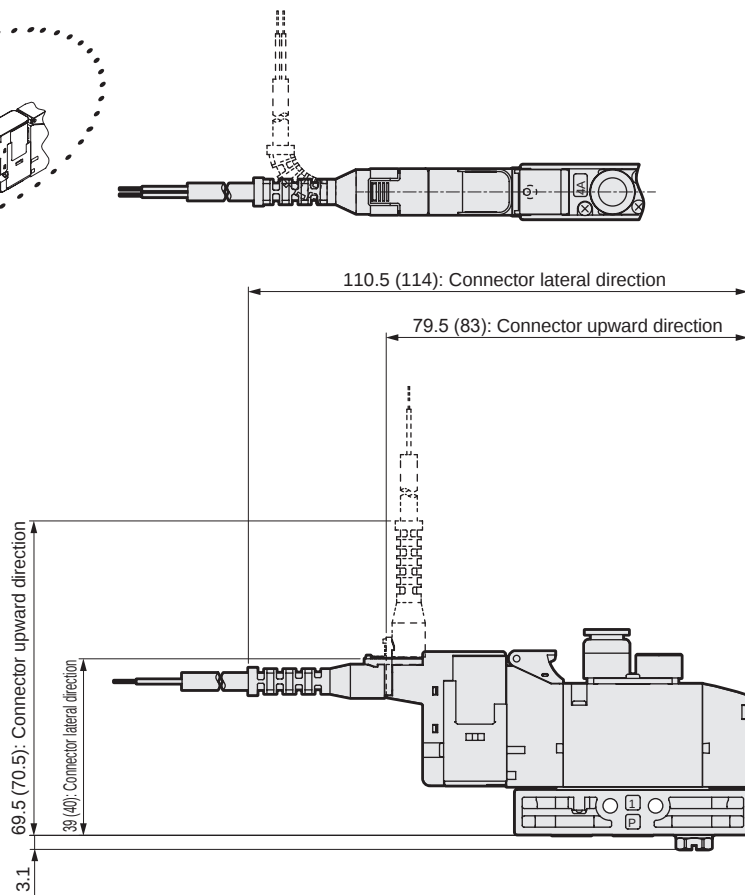
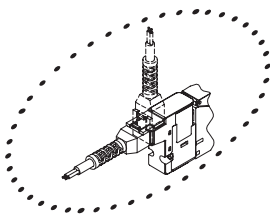
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

3GD1 Series

Discrete valve; body piping

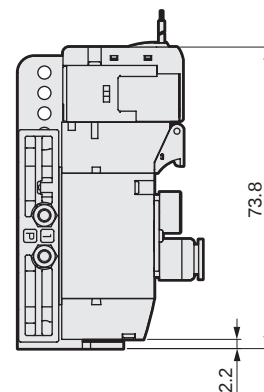
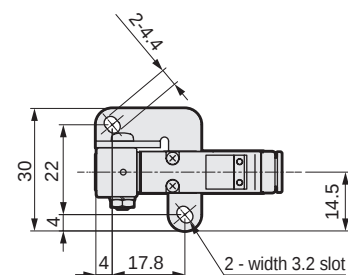
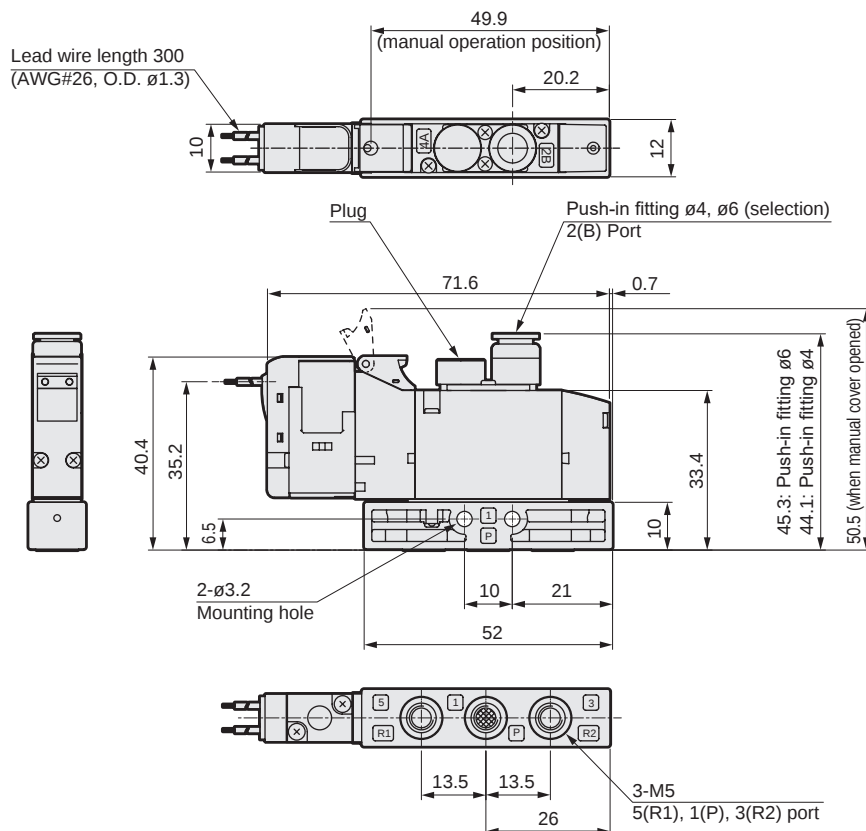
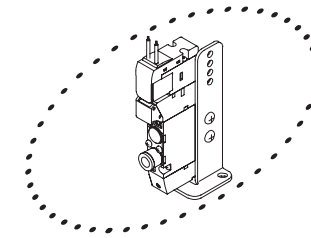
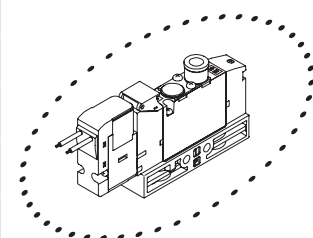
Dimensions



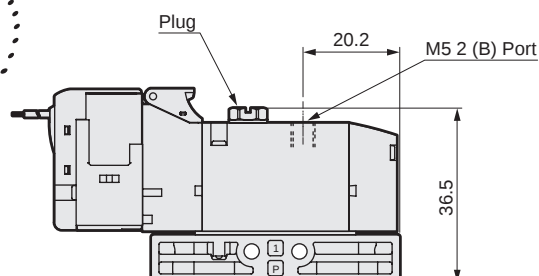
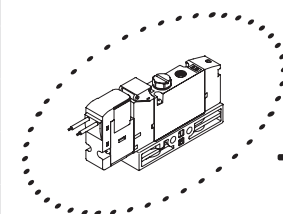
3GD1110R

● 2-position single: Normally open grommet lead wire (blank)

● Mounting plate (P)

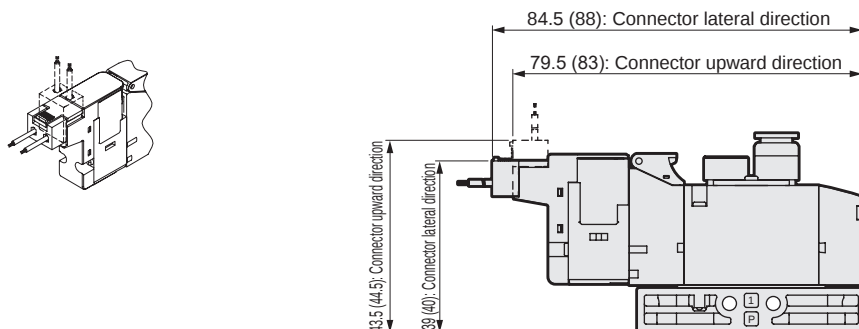


● M5 female thread (M5)



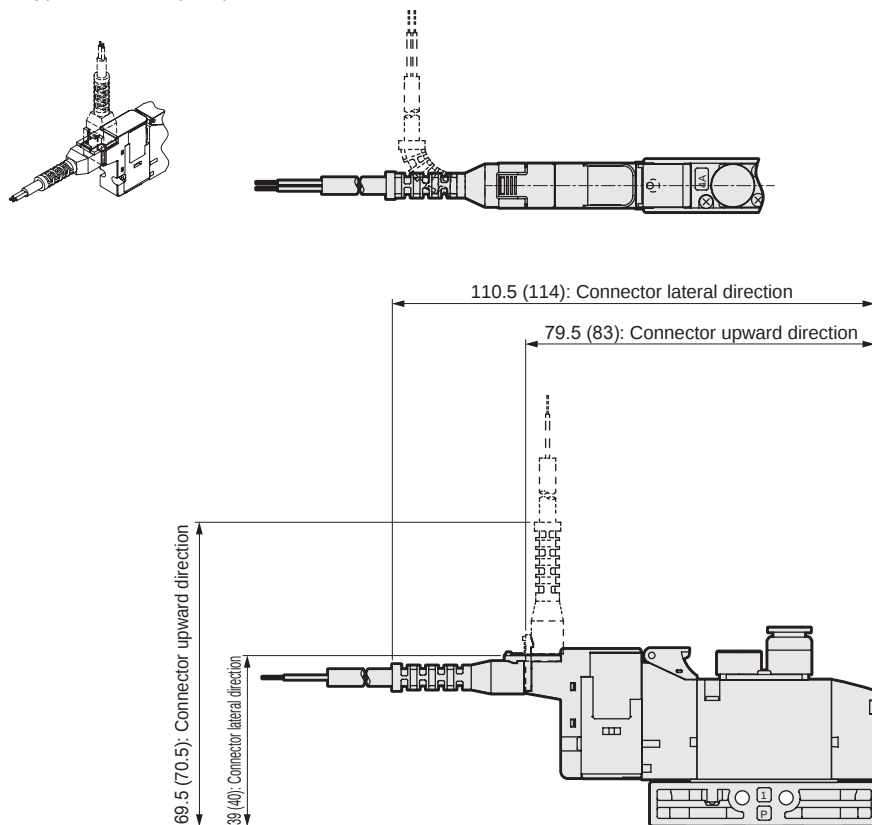
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

3GD2 Series

Discrete valve; body piping

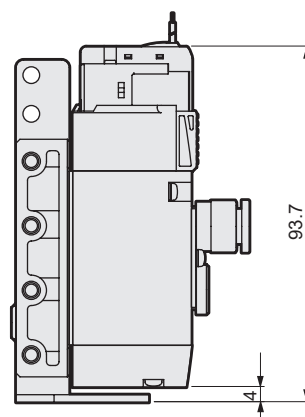
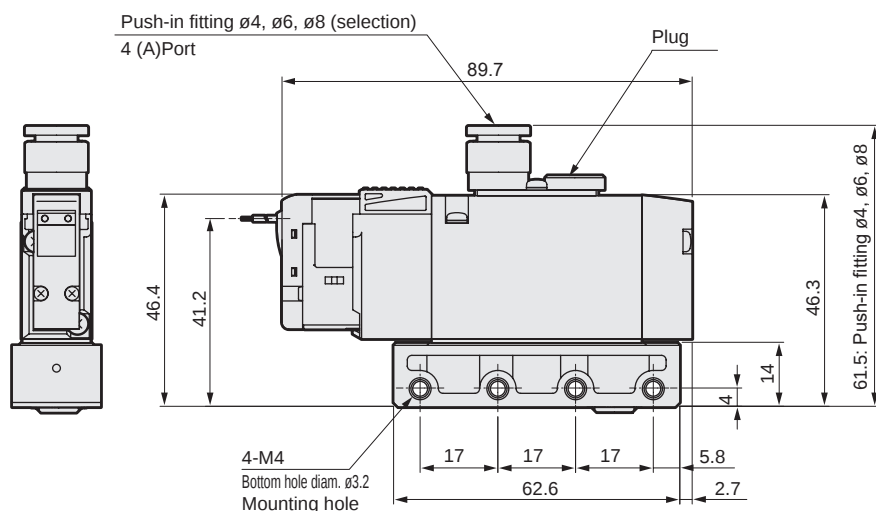
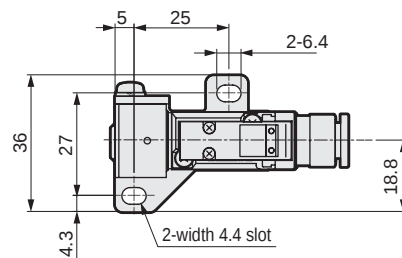
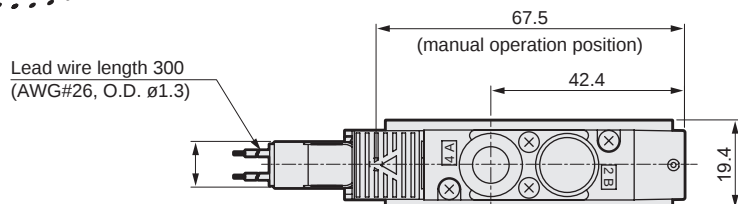
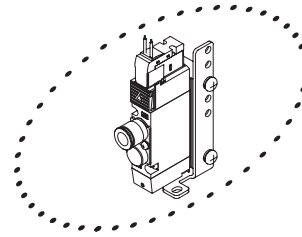
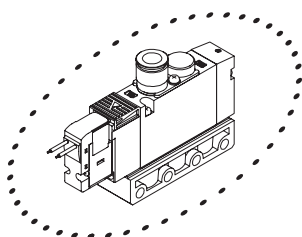
Dimensions



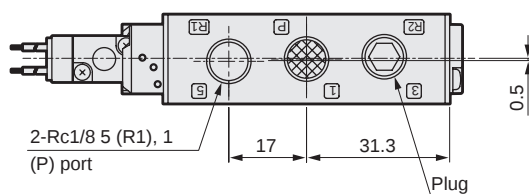
3GD210R

● 2-position single: Normally closed grommet lead wire (blank)

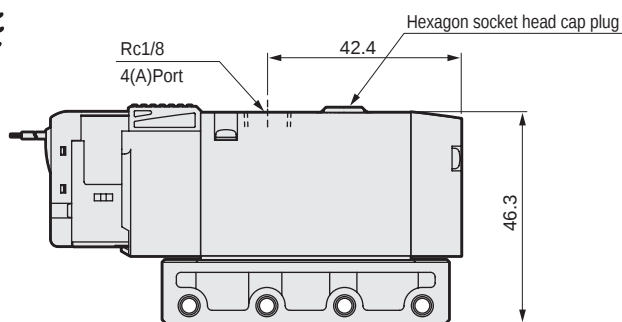
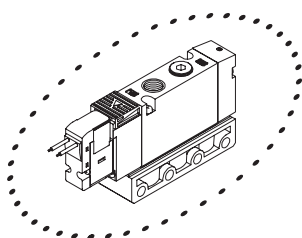
● Mounting plate (P)



*Refer to page 853 for details on mounting holes

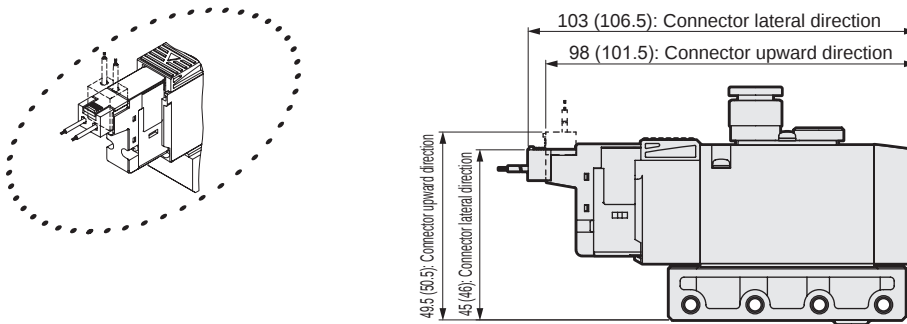


● Rc1/8 female thread (06)



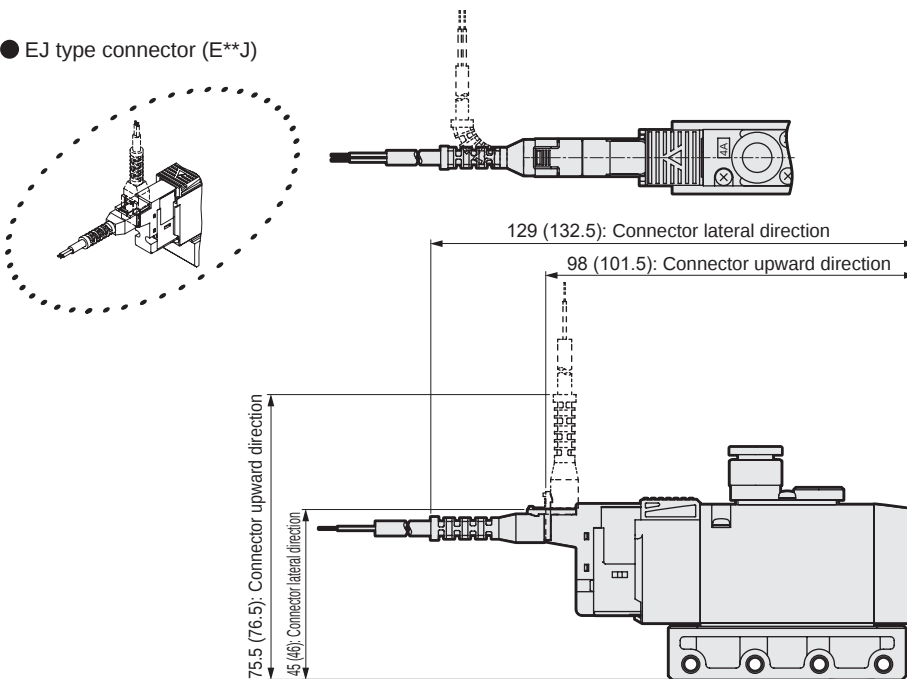
Dimensions

● E-connector (E)



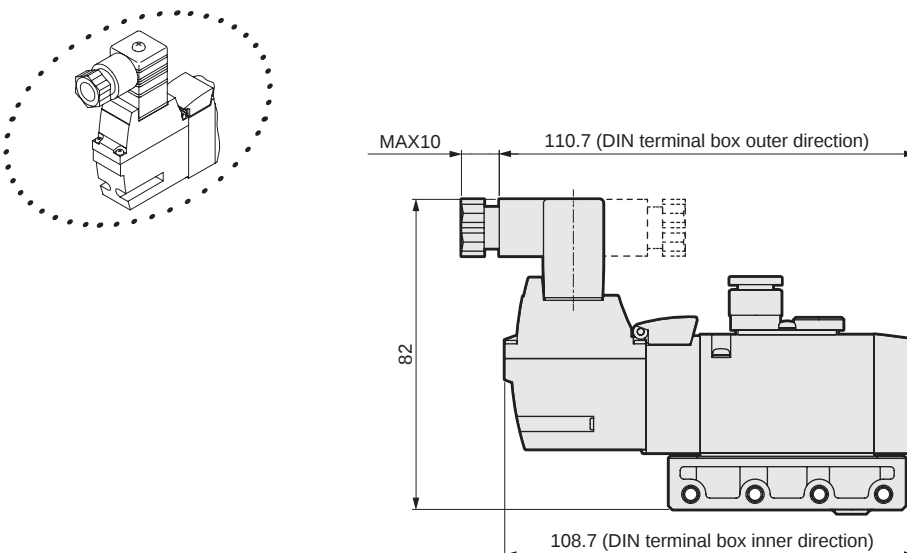
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

3GD2 Series

Discrete valve; body piping

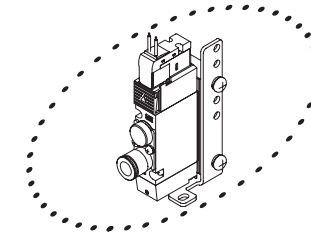
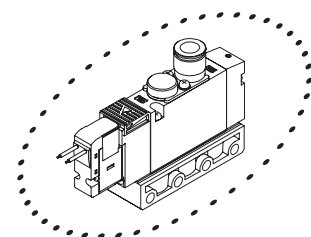
Dimensions



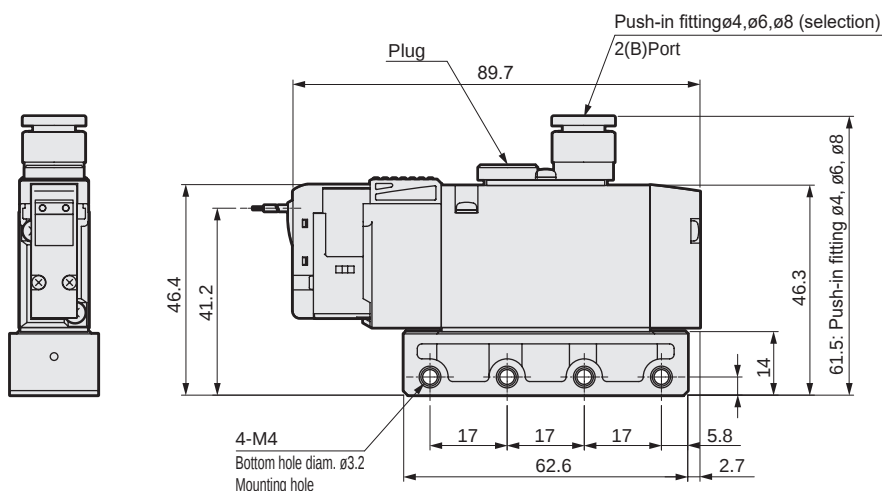
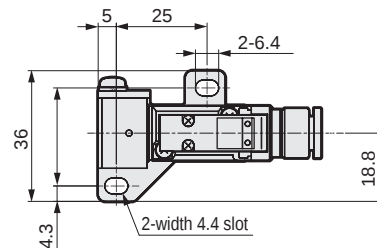
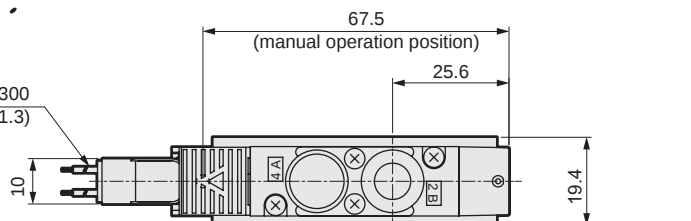
3GD2110R

● 2-position single: Normally open grommet lead wire (blank)

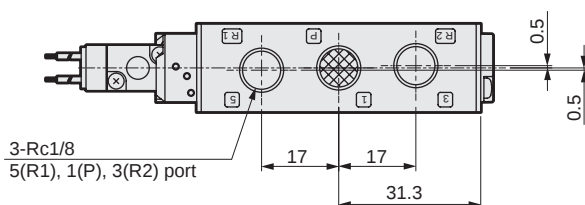
● Mounting plate (P)



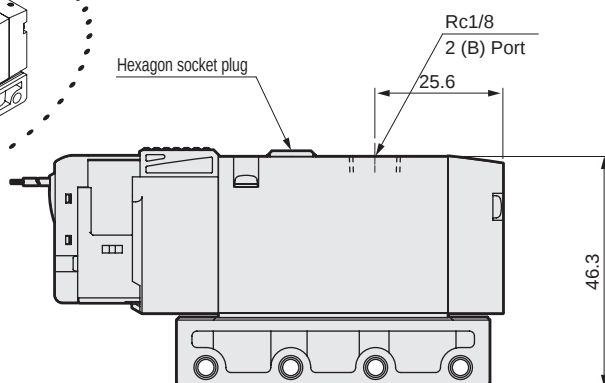
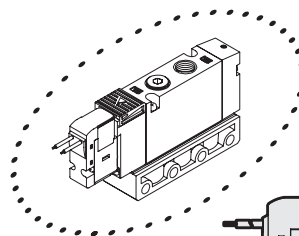
Lead wire length: 300
(AWG#26, O.D. ϕ 1.3)



*Refer to page 853 for details on mounting holes.

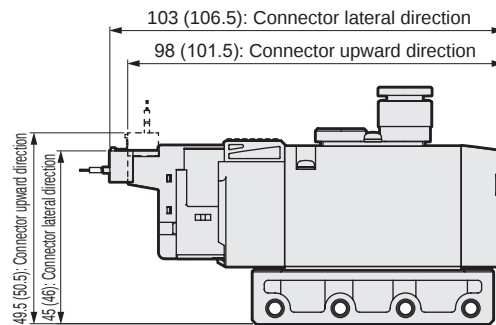
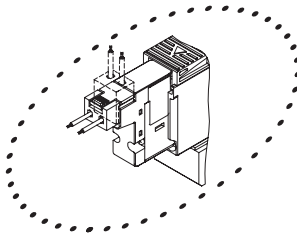


● Rc1/8 female thread (06)



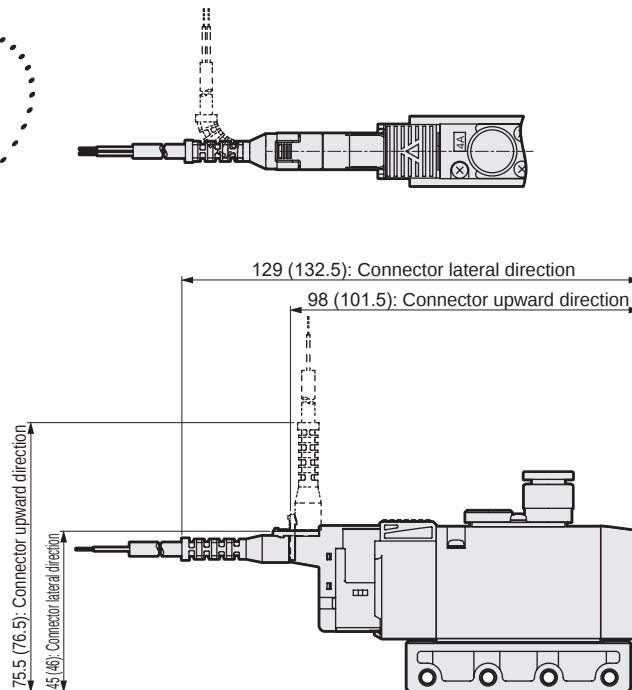
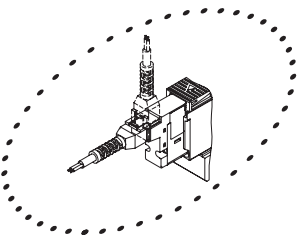
Dimensions

● E-connector (E)



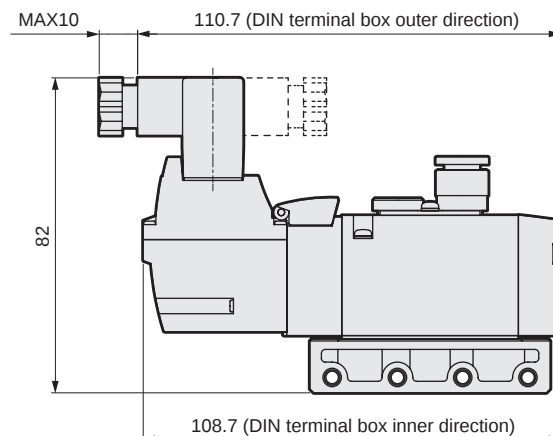
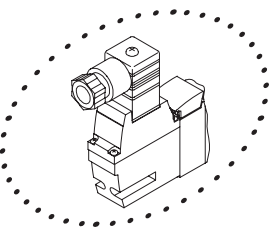
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

3GD3 Series

Discrete valve; body piping

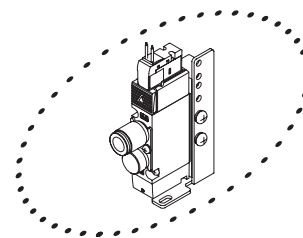
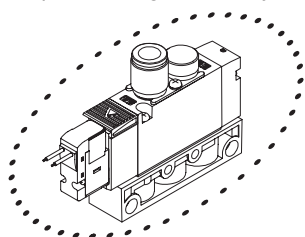
Dimensions



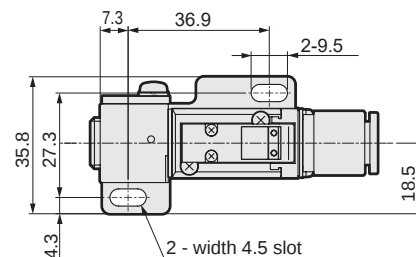
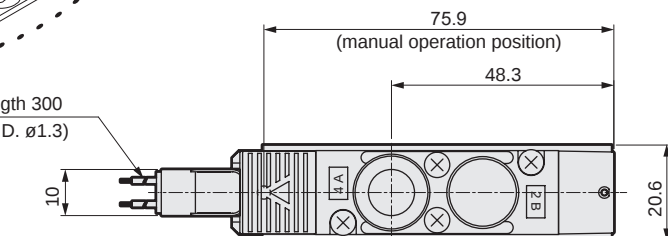
3GD310R

● 2-position single: Normally closed grommet lead wire (blank)

● Mounting plate (P)

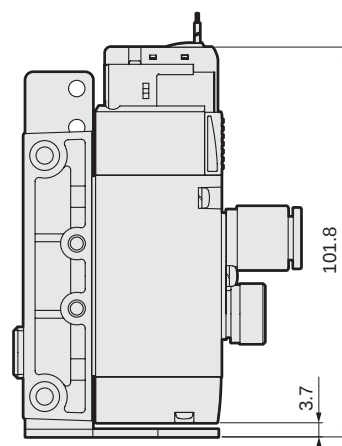
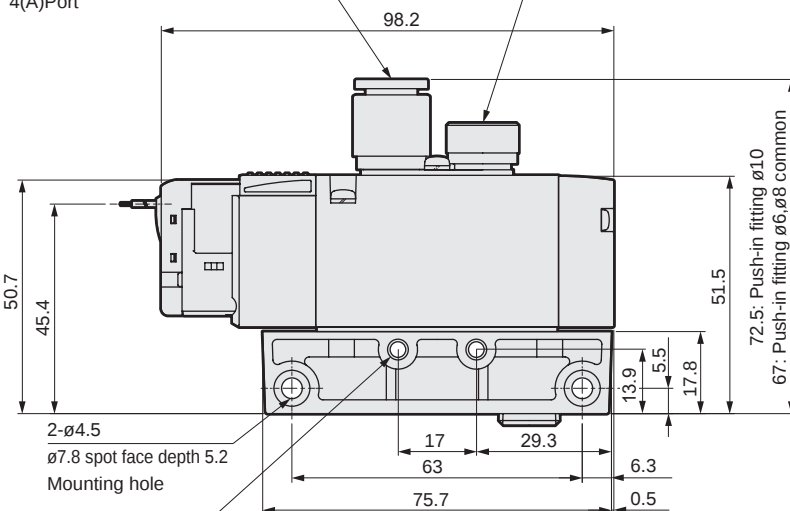
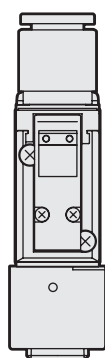


Lead wire length 300
(AWG#26, O.D. $\phi 1.3$)

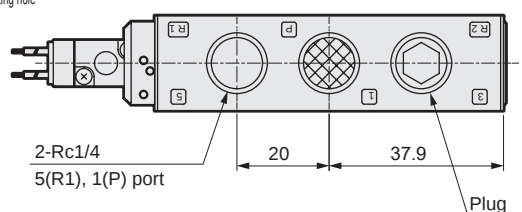


Push-in fitting $\phi 6$, $\phi 8$, $\phi 10$ (selection)
4(A)Port

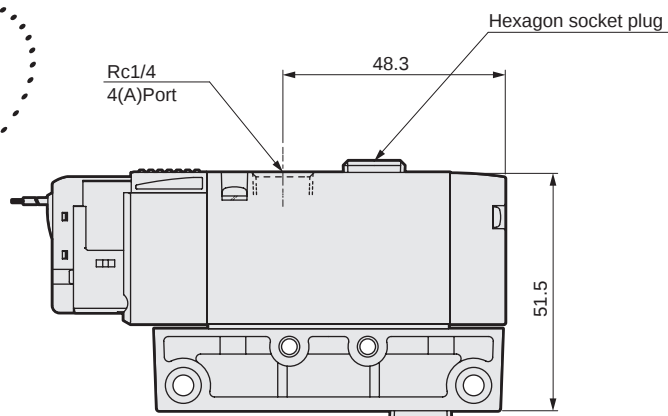
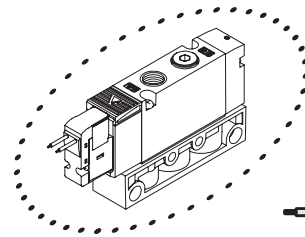
Plug



* Refer to page 853 for details on mounting holes.

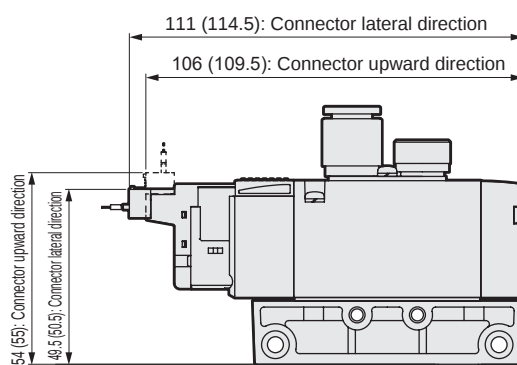
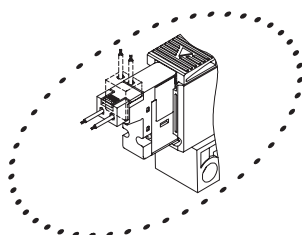


● Rc1/4 female thread (08)



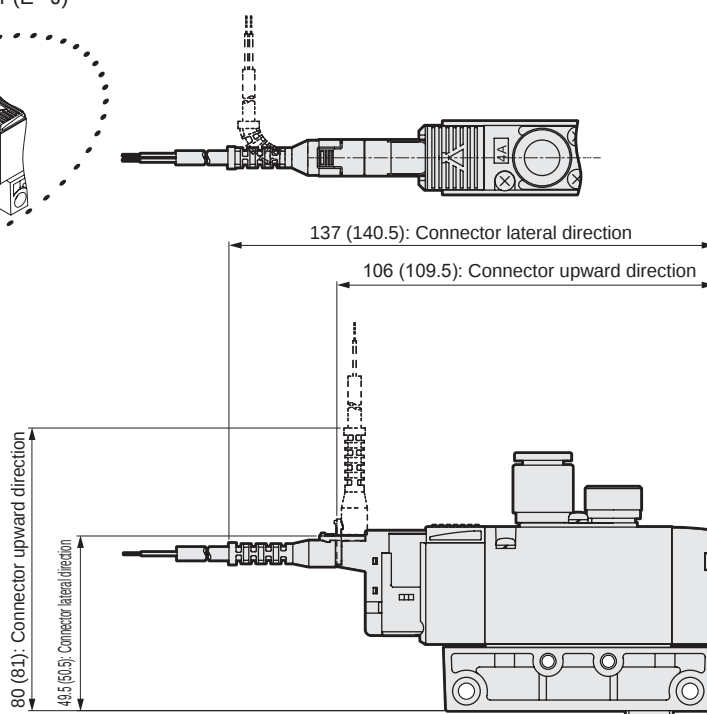
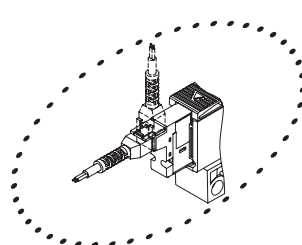
Dimensions

● E-connector (E)



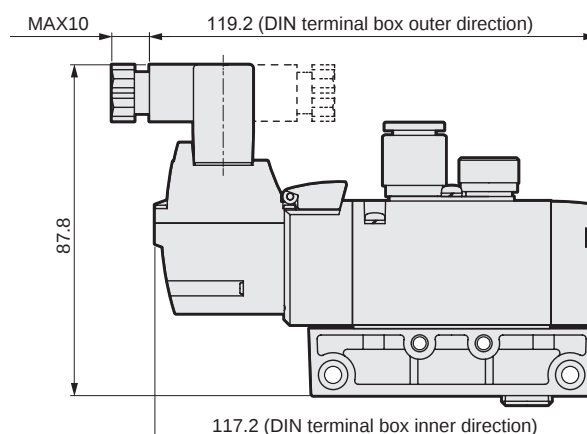
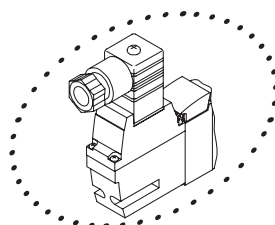
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

3GD3 Series

Discrete valve; body piping

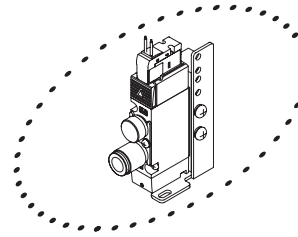
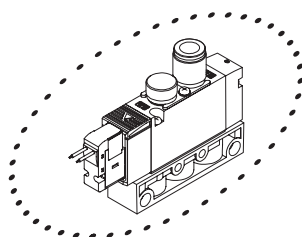
Dimensions



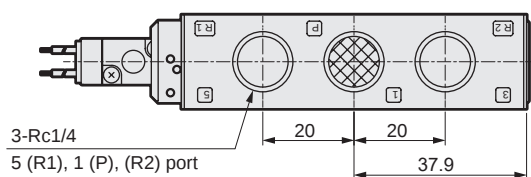
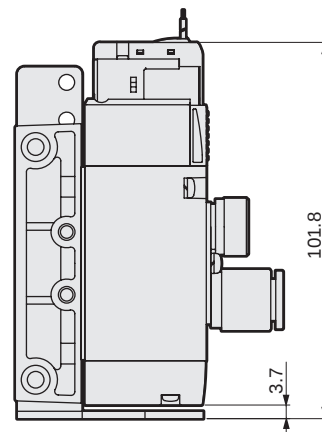
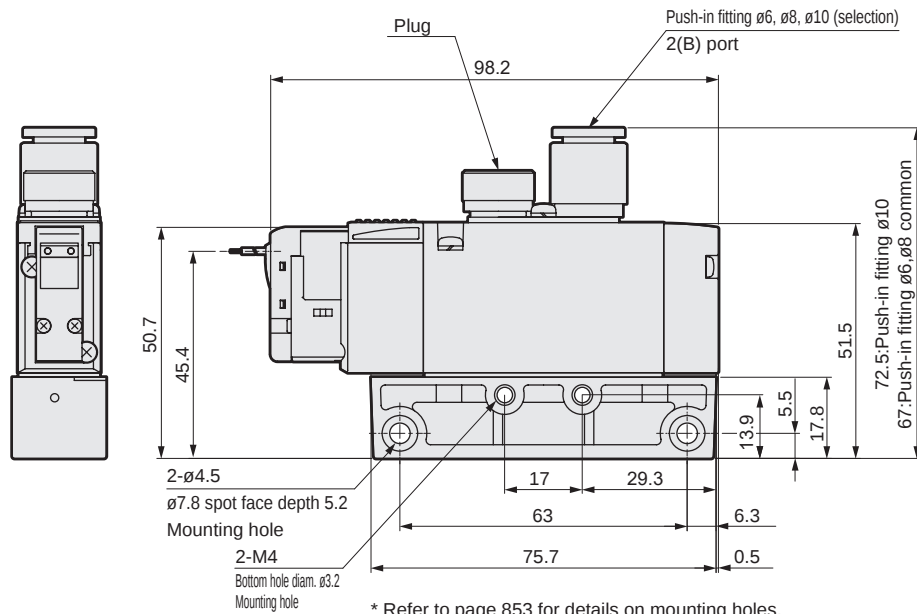
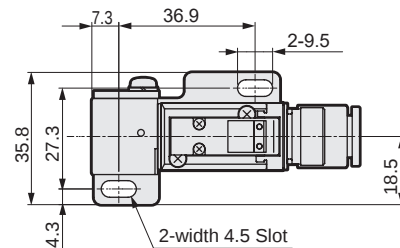
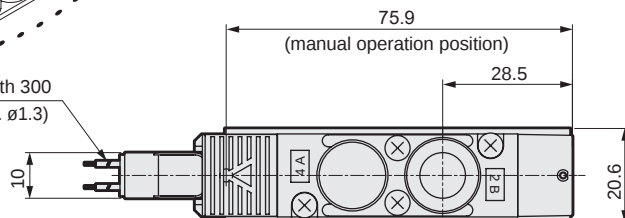
3GD3110R

● 2-position single: Normally open grommet lead wire (blank)

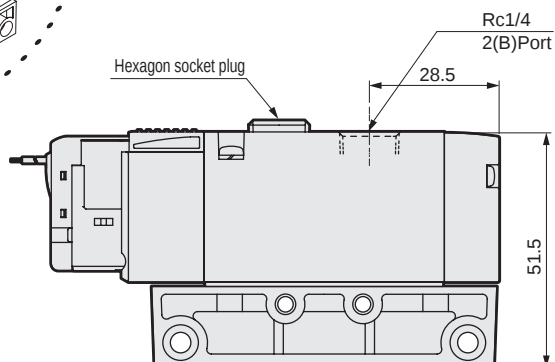
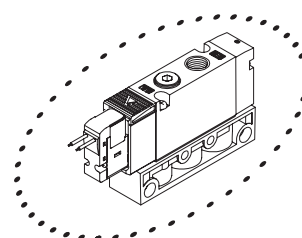
● Mounting plate(P)



Lead wire length 300
(AWG#26, O.D. ϕ 1.3)

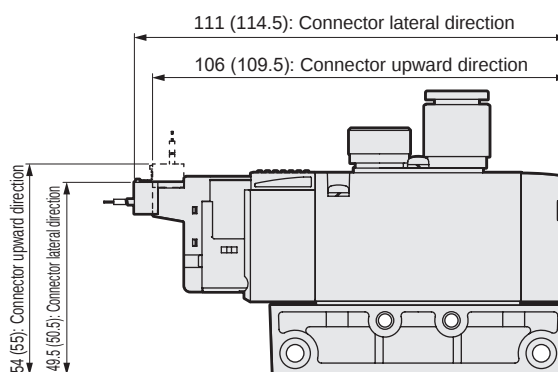
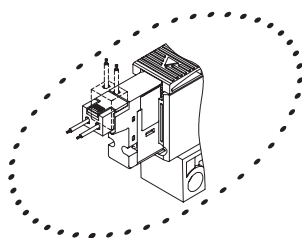


● Rc1/4 female thread (08)



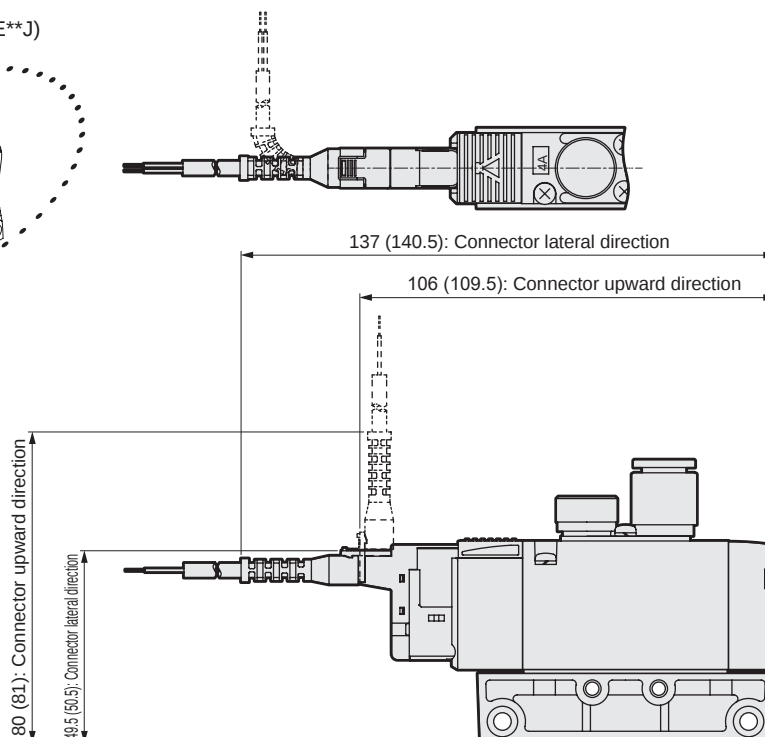
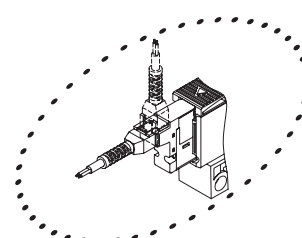
Dimensions

● E-connector (E)



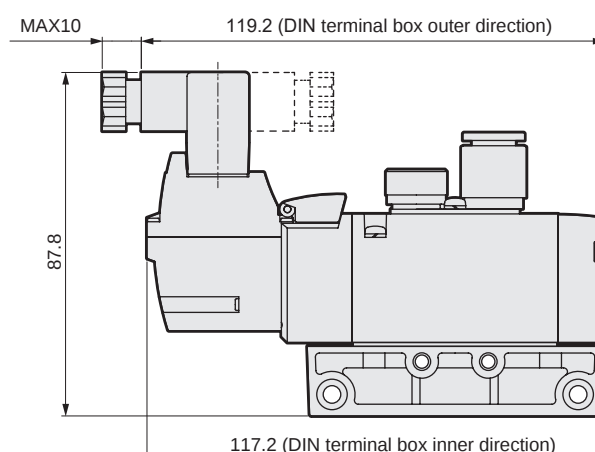
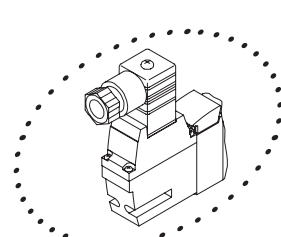
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GD1 Series

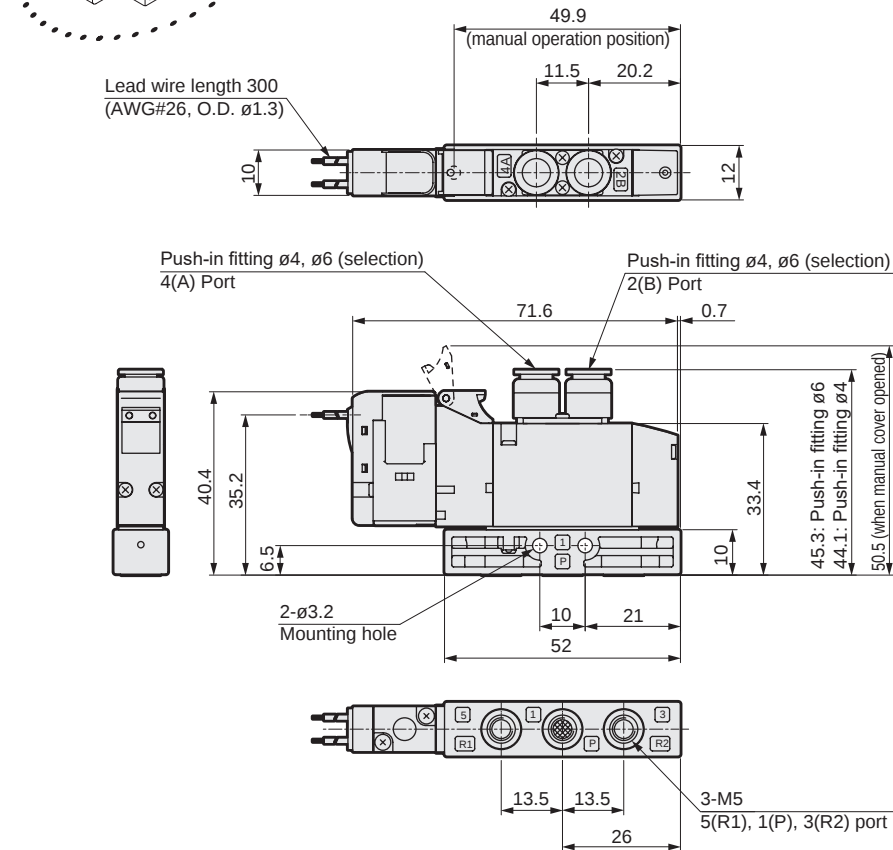
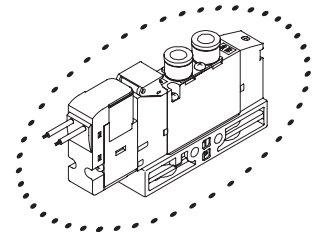
Discrete valve; body piping

Dimensions

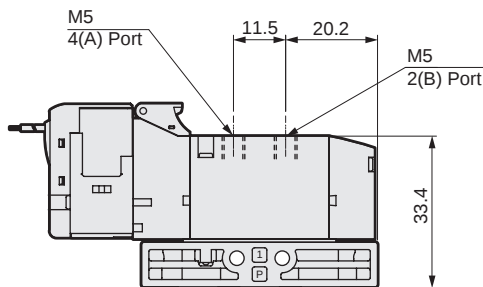
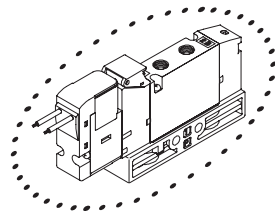


4GD110R

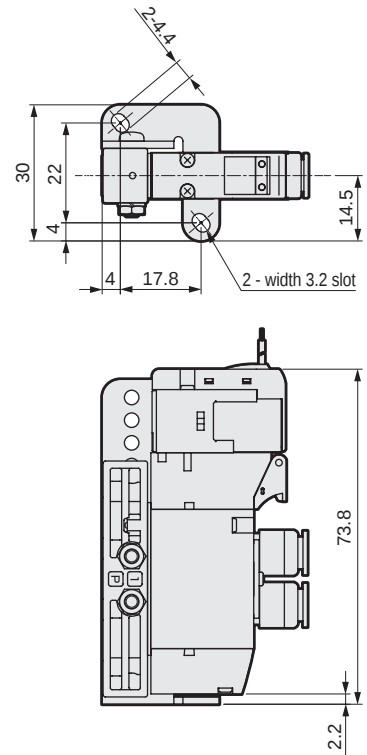
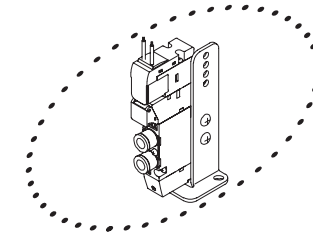
● 2-position single grommet lead wire (blank)



● M5 female thread (M5)

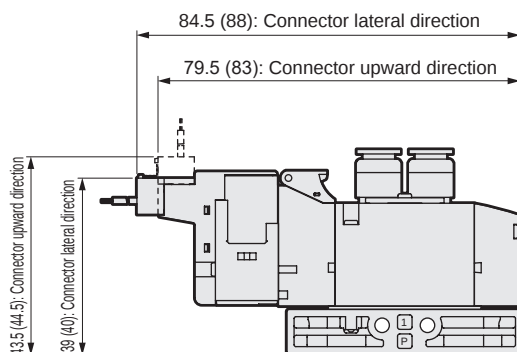
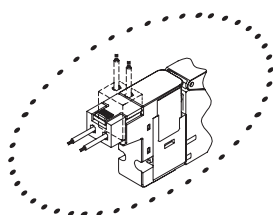


● Mounting plate (P)



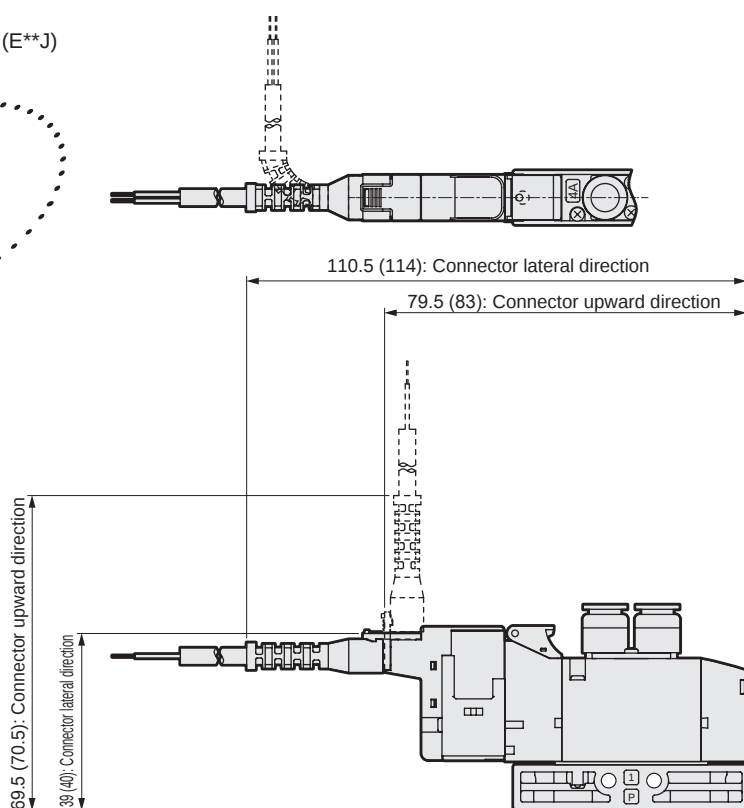
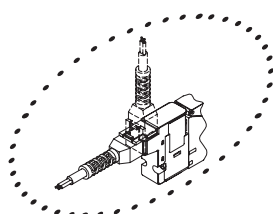
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

4GD1 Series

Discrete valve; body piping

Dimensions



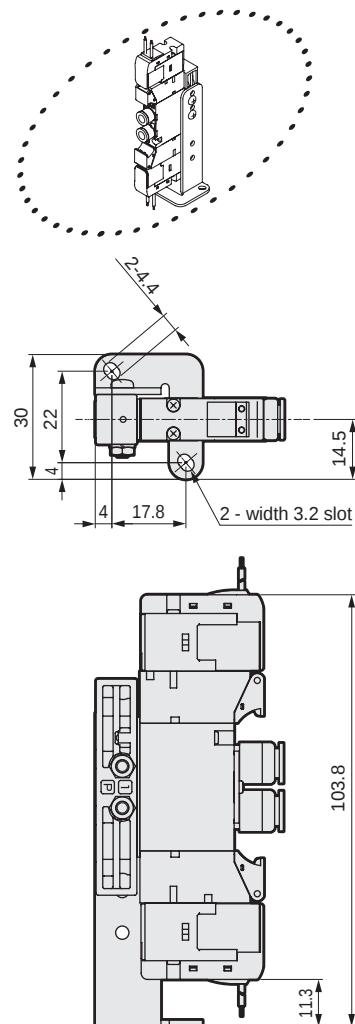
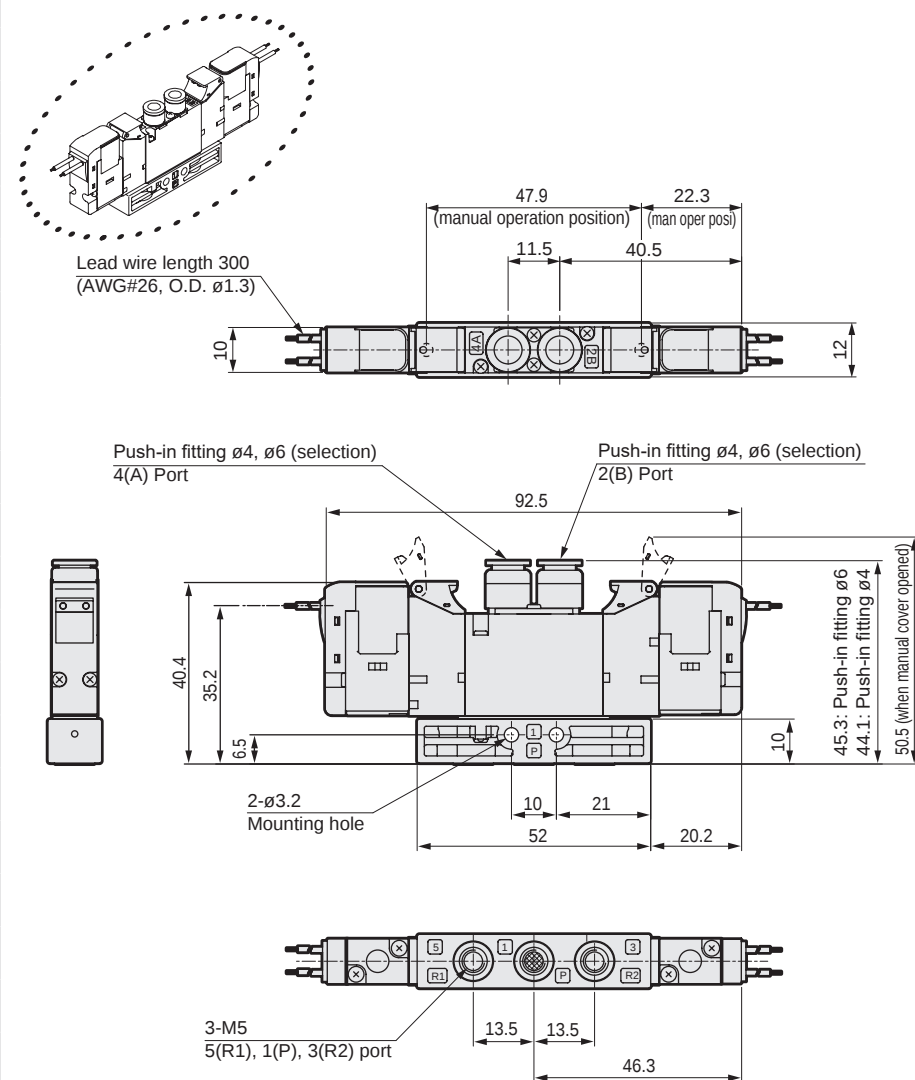
4GD120R

- 2-position double grommet lead wire (blank)

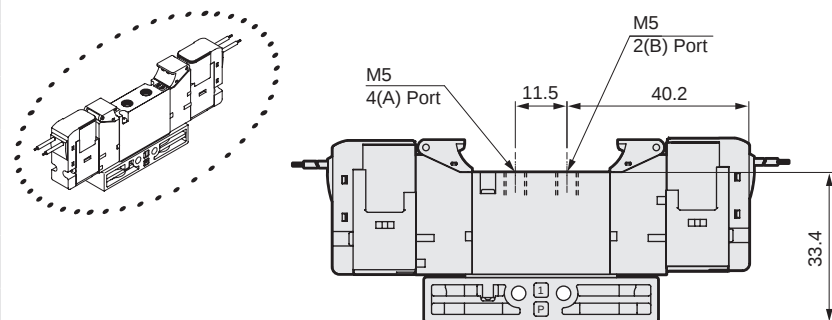
3GD1660R

- Two 3-port valves integrated grommet lead wire (blank)

- Mounting plate (P)

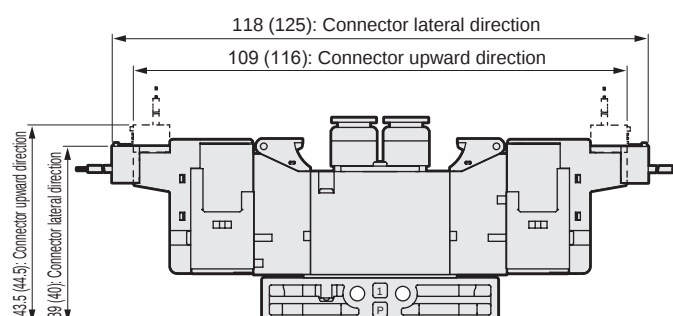
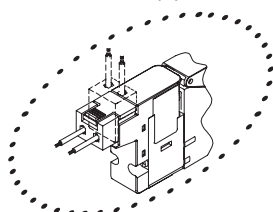


- M5 female thread (M5)



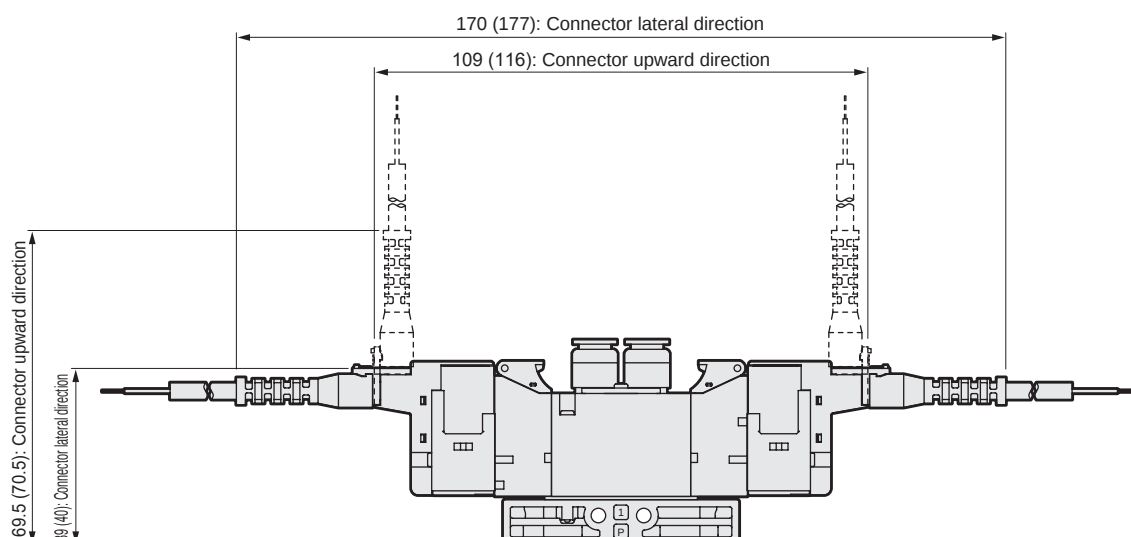
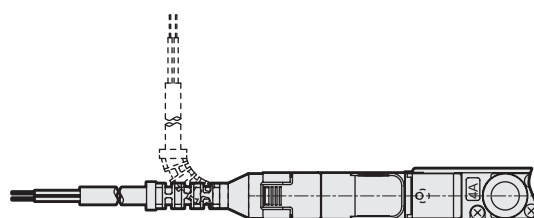
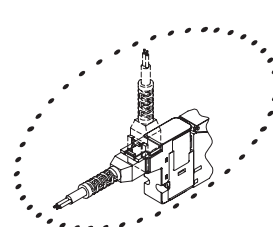
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

4GD1 Series

Discrete valve; body piping

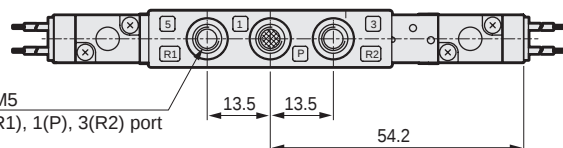
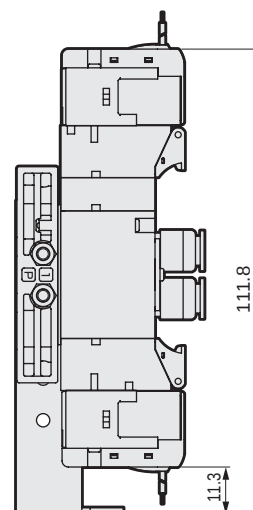
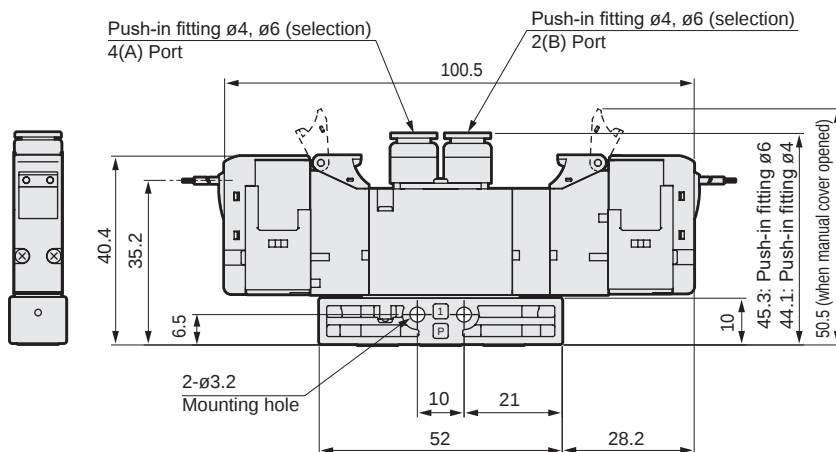
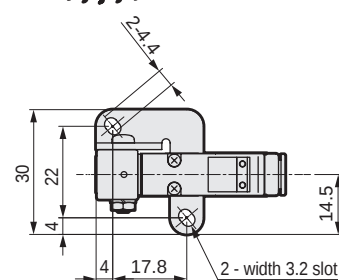
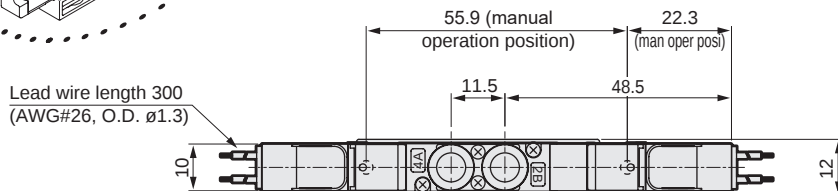
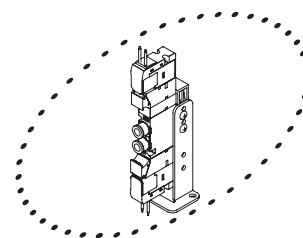
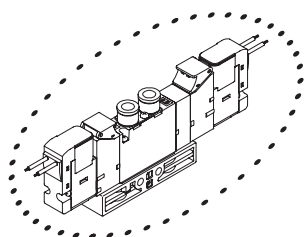
Dimensions



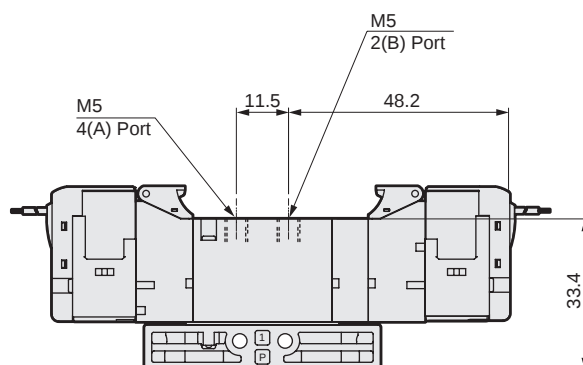
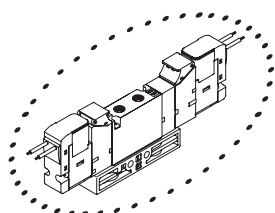
4GD1³/₅0R

● 3-position grommet lead wire (blank)

● Mounting plate (P)

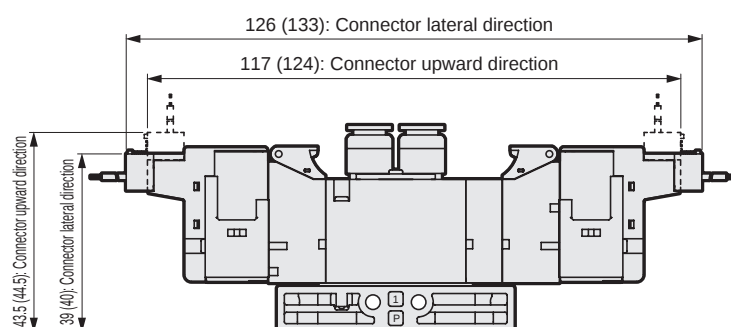
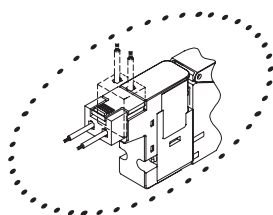


● M5 female thread (M5)



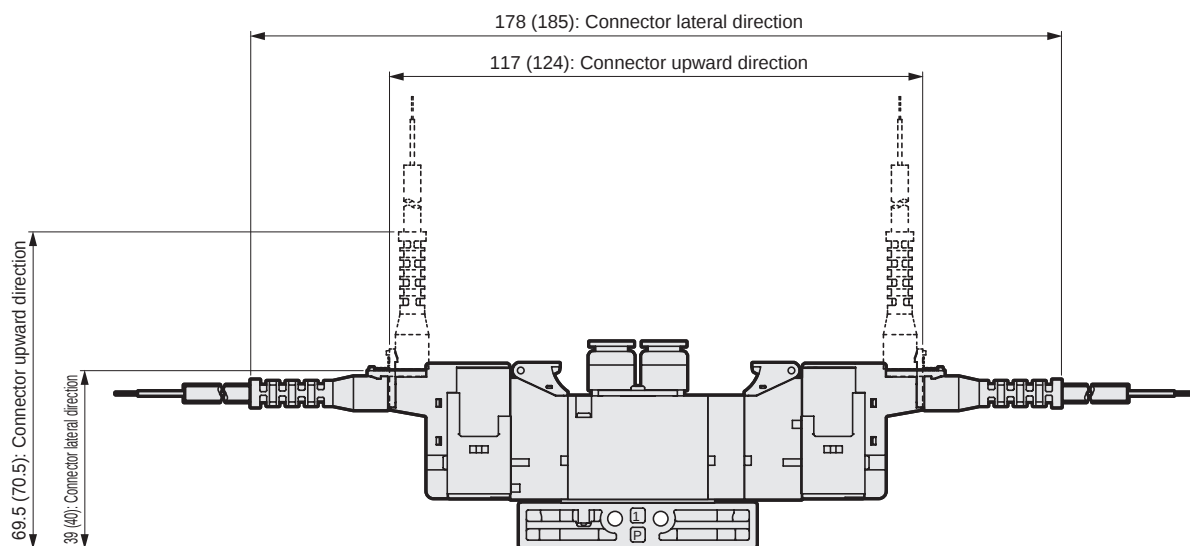
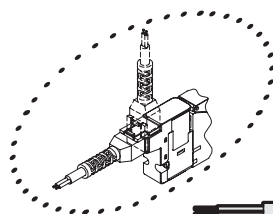
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

4GD2 Series

Discrete valve; body piping

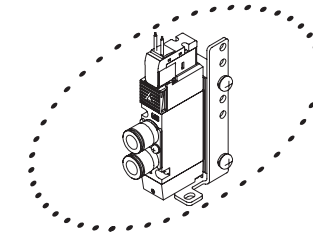
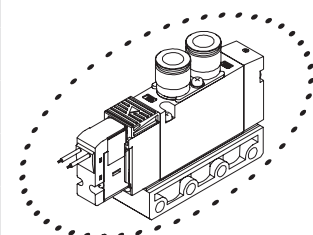
Dimensions



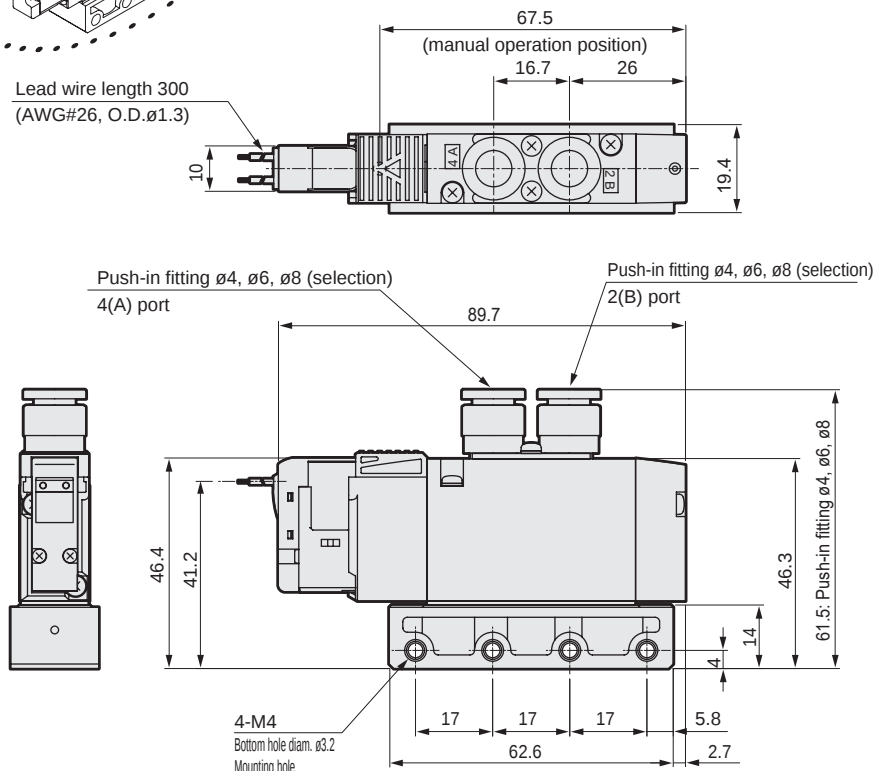
4GD210R

● 2-position single grommet lead wire (blank)

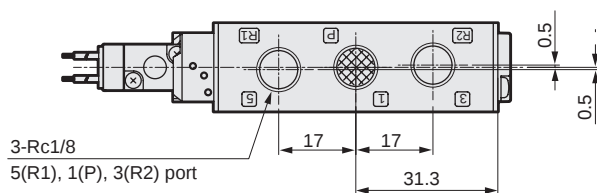
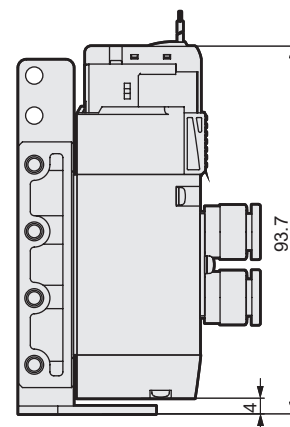
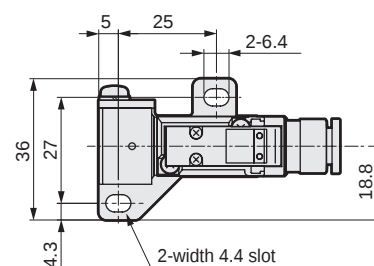
● Mounting plate (P)



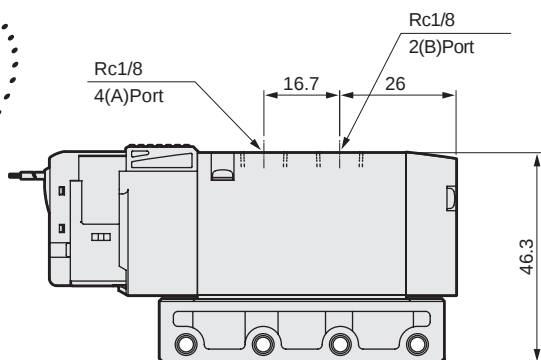
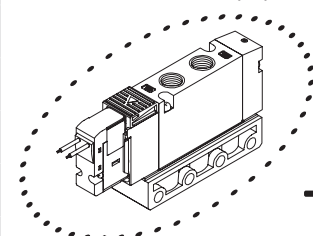
Lead wire length 300
(AWG#26, O.D.ø1.3)



* Refer to page 853 for details on mounting holes.

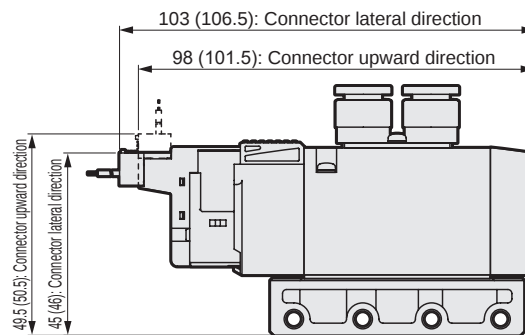
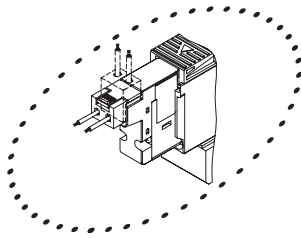


● Rc1/8 female thread (06)



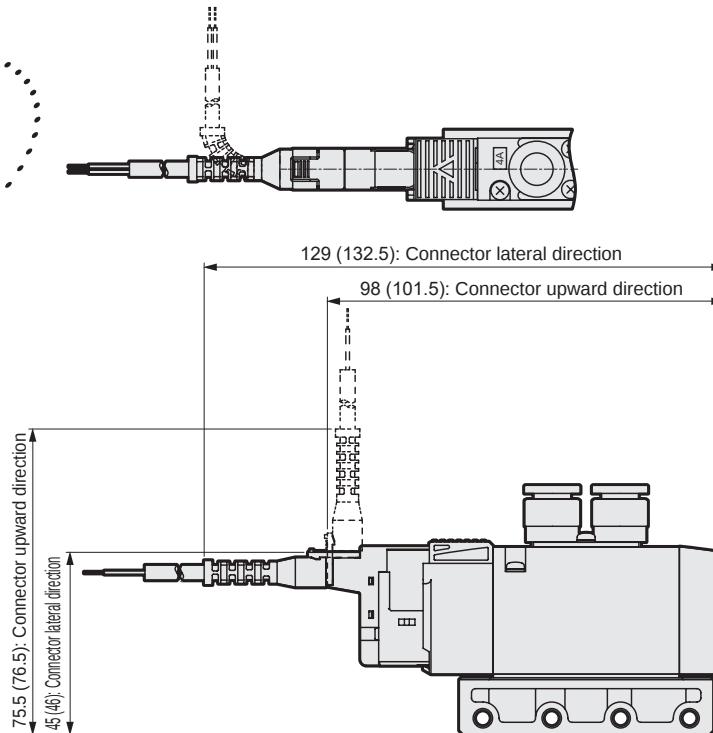
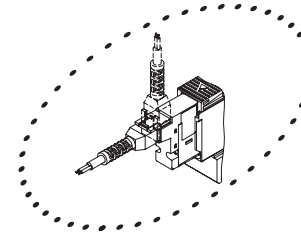
Dimensions

● E-connector (E)



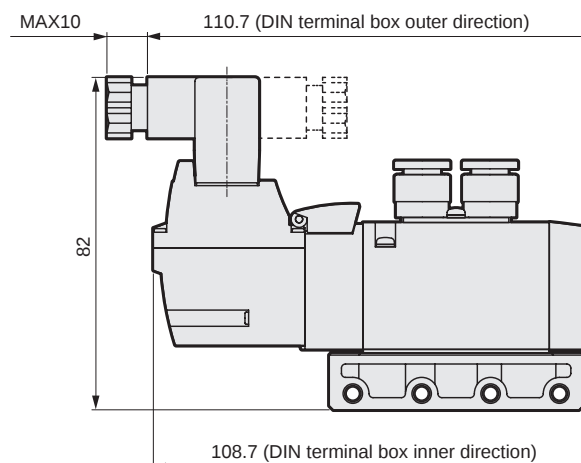
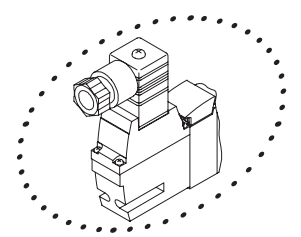
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GD2 Series

Discrete valve; body piping

Dimensions



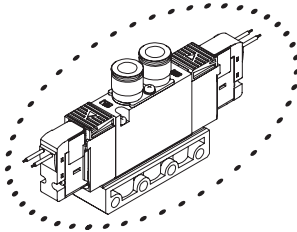
4GD220R

- 2-position double grommet lead wire (blank)

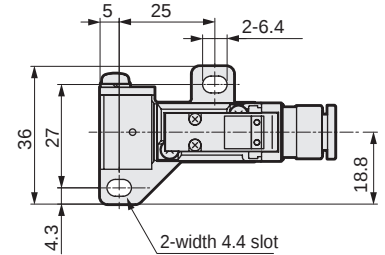
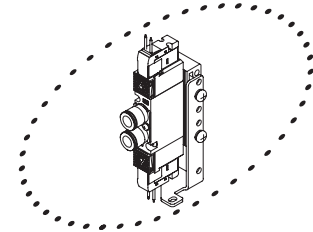
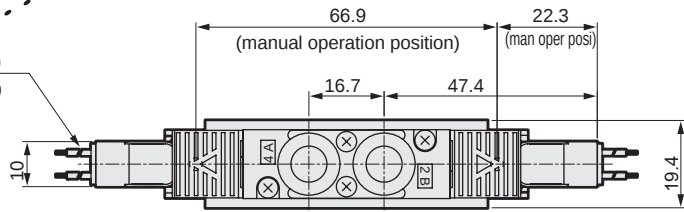
- Mounting plate (P)

3GD2660R

- Two 3-port valves integrated grommet lead wire (blank)

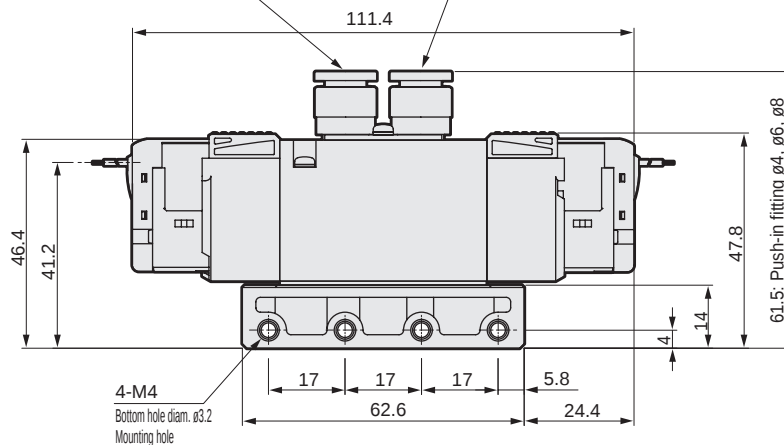
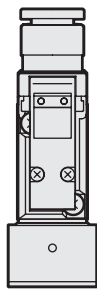


Lead wire length 300
(AWG#26, O.D.ø1.3)

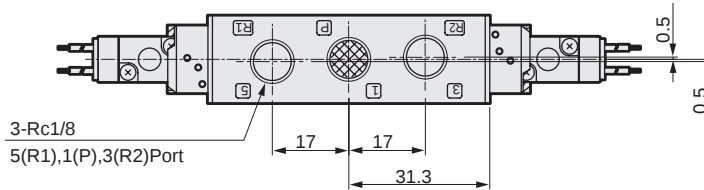
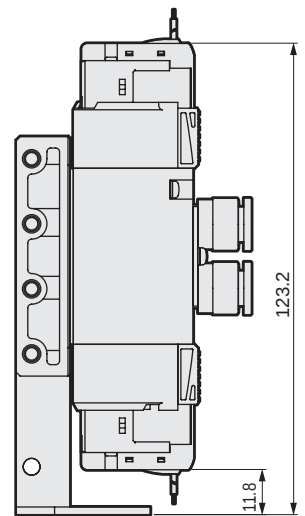


Push-in fittingø4, ø6, ø8(Selection)
4(A)Port

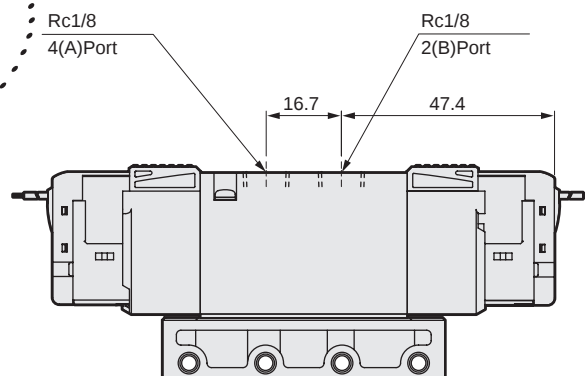
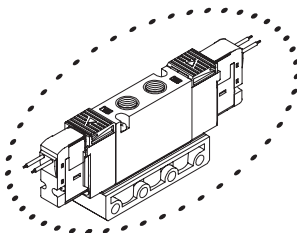
Push-in fittingø4, ø6, ø8(Selection)
2(B)Port



* Refer to page 853 for details on mounting holes.

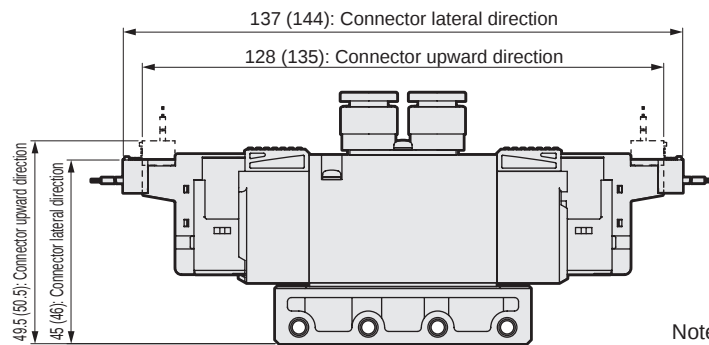
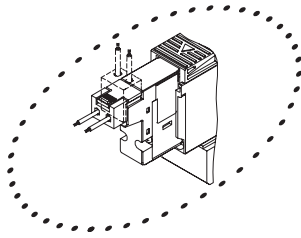


- Rc1/8 female thread (06)



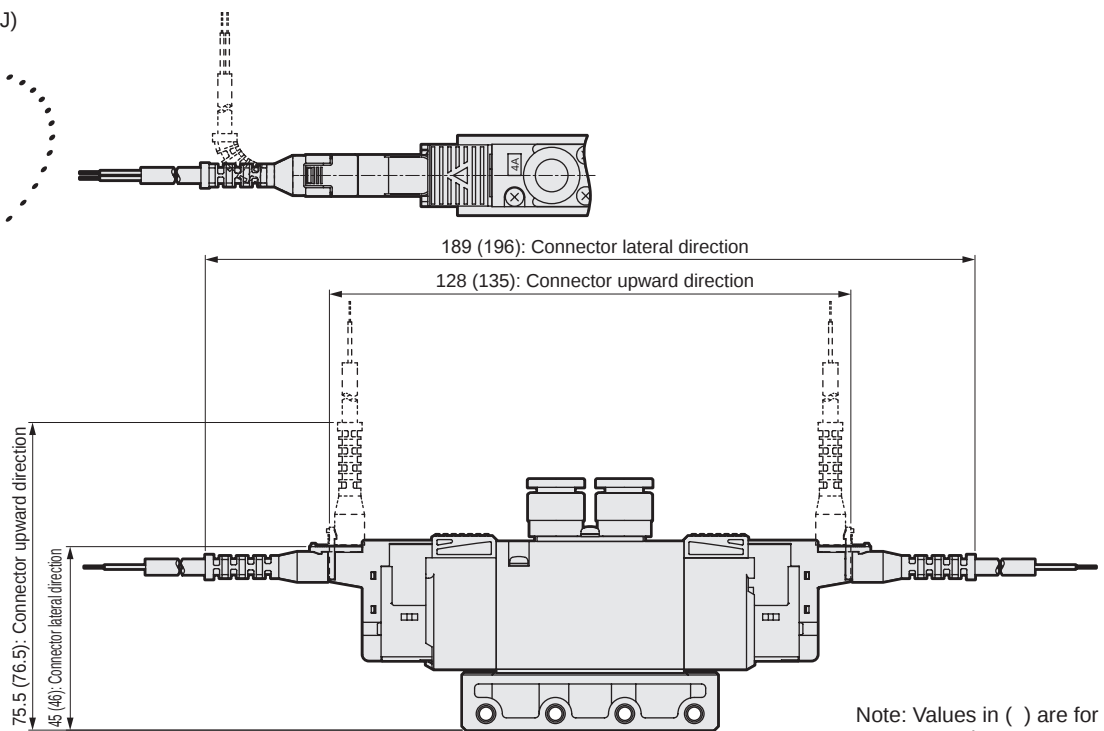
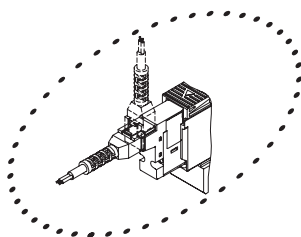
Dimensions

● E-connector (E)



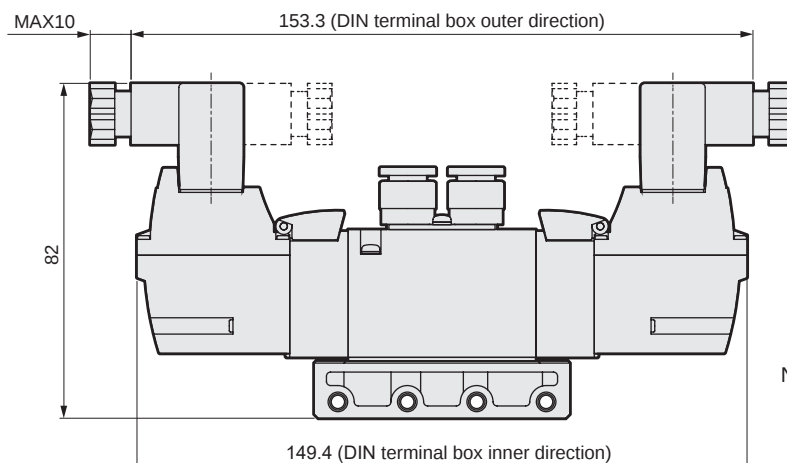
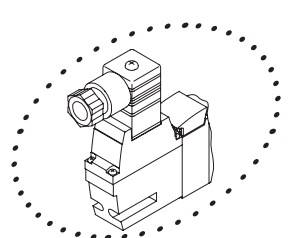
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GD2 Series

Discrete valve; body piping

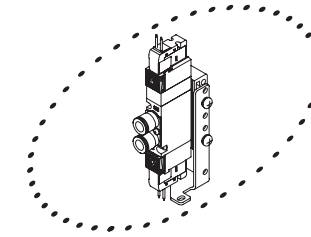
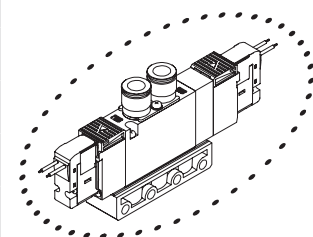
Dimensions



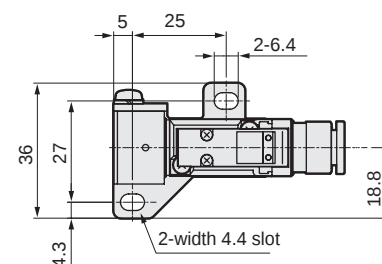
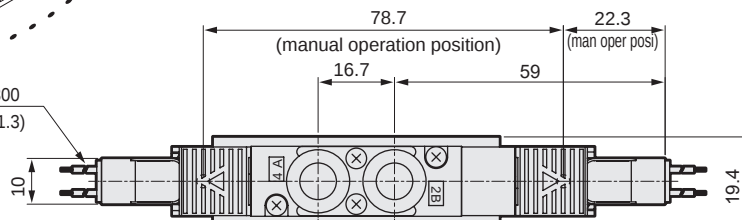
4GD2³₀R

● 3-position grommet lead wire (blank)

● Mounting plate (P)

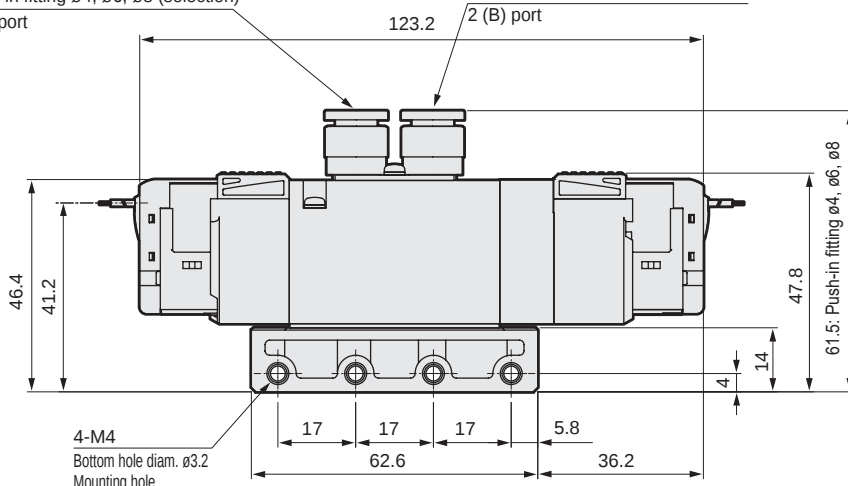
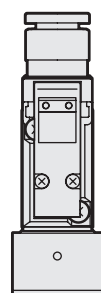


Lead wire length 300
(AWG#26, O.D. ø1.3)

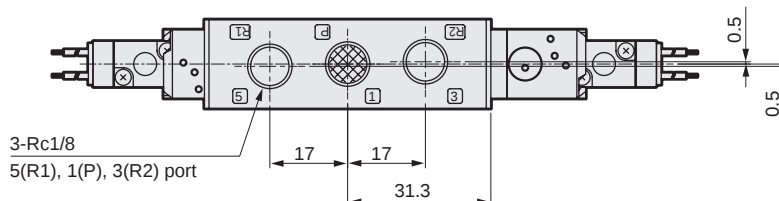
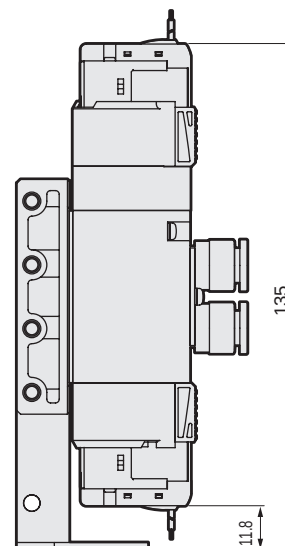


Push-in fitting ø4, ø6, ø8 (selection)
4(A) port

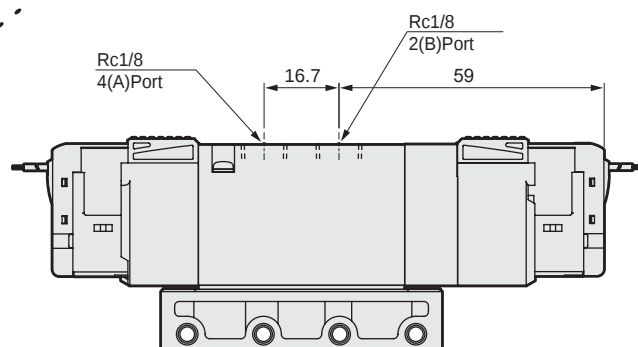
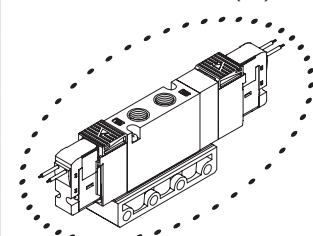
Push-in fitting ø4, ø6, ø8 (selection)
2 (B) port



* Refer to page 853 for details on mounting holes.

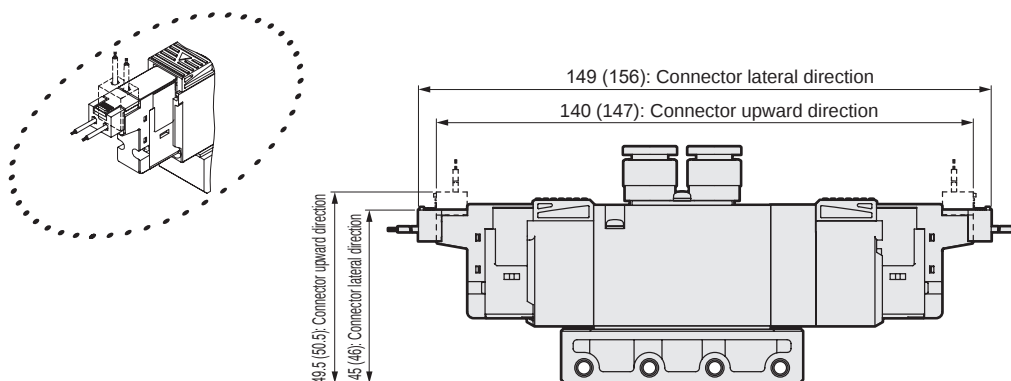


● Rc1/8 female thread (06)



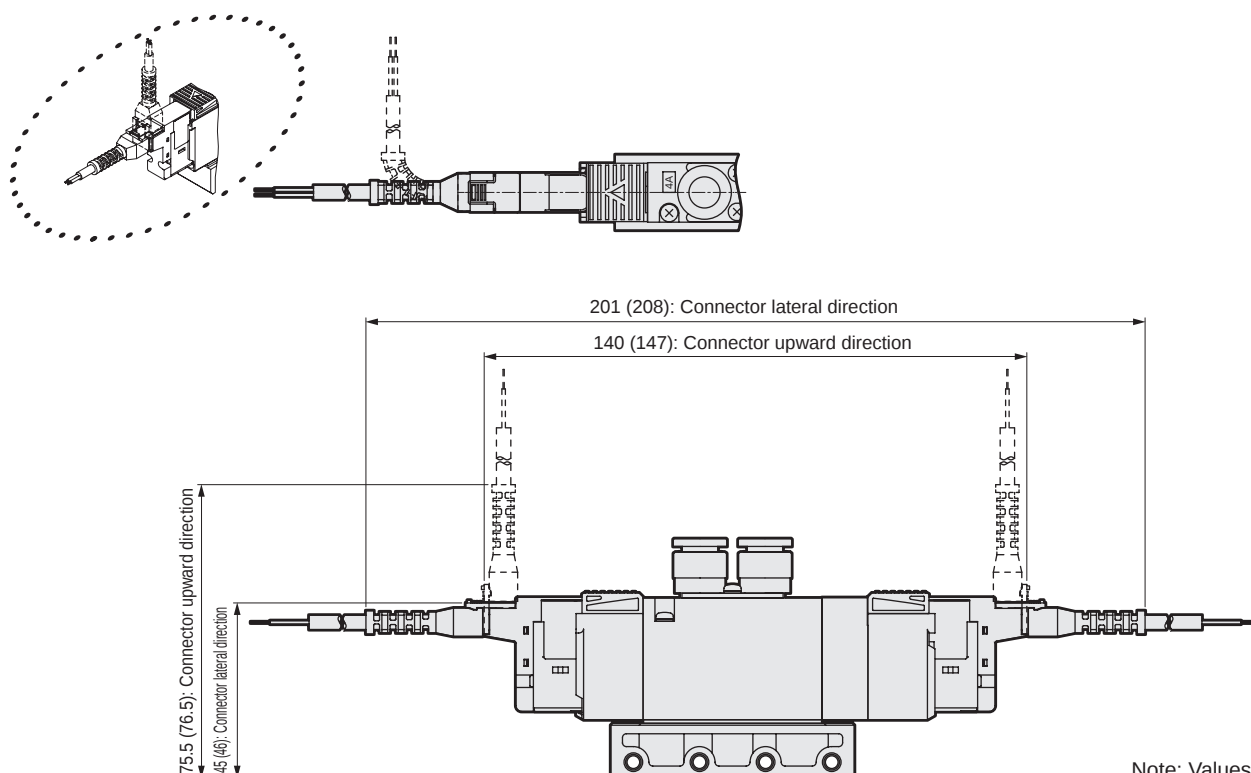
Dimensions

● E-connector (E)



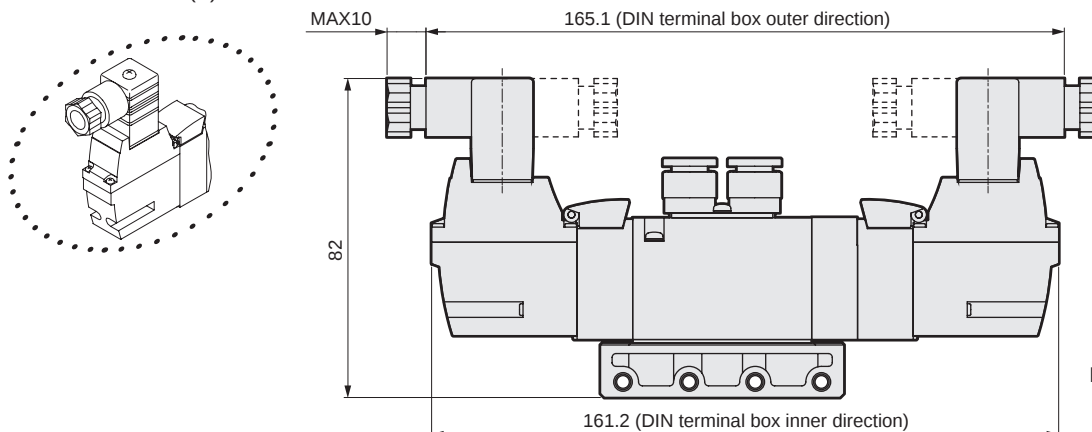
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GD3 Series

Discrete valve; body piping

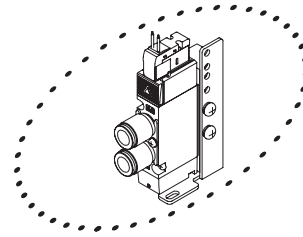
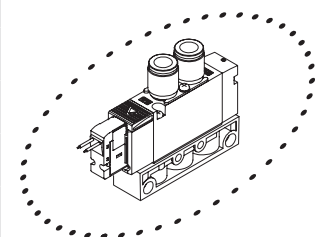
Dimensions



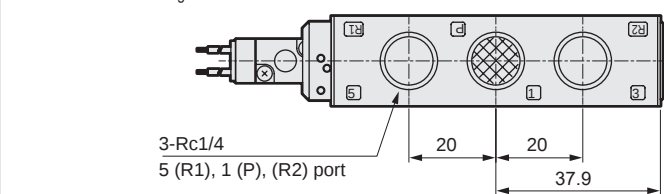
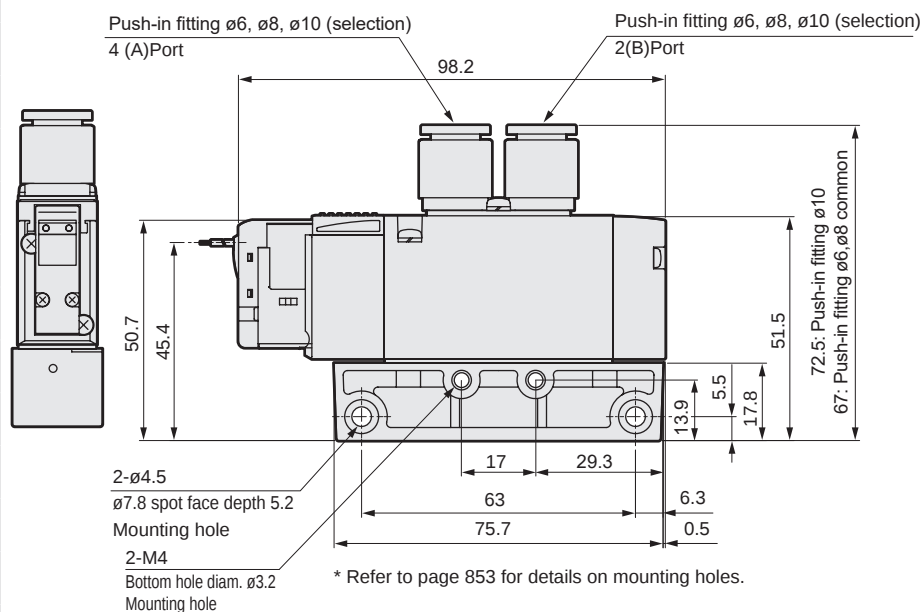
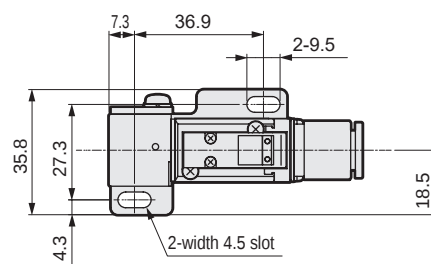
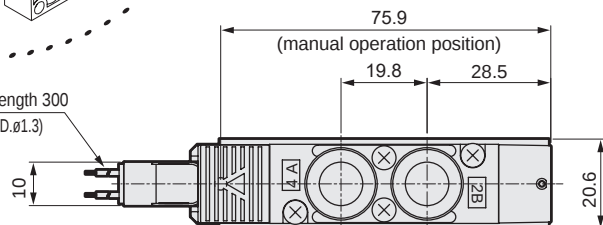
4GD310R

● 2-position single grommet lead wire (blank)

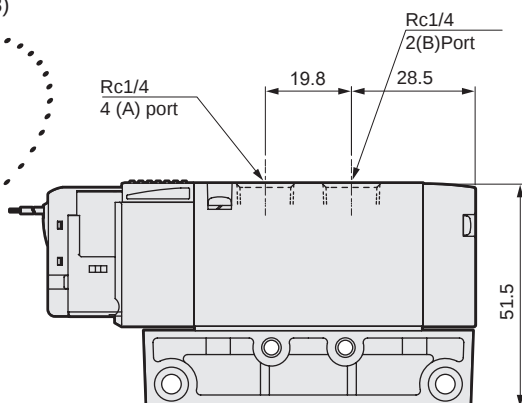
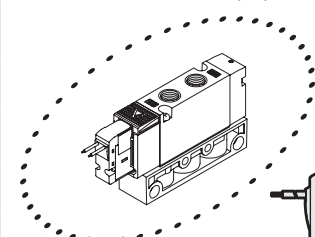
● Mounting plate (P)



Lead wire length 300
(AWG#26, O.D.ø1.3)

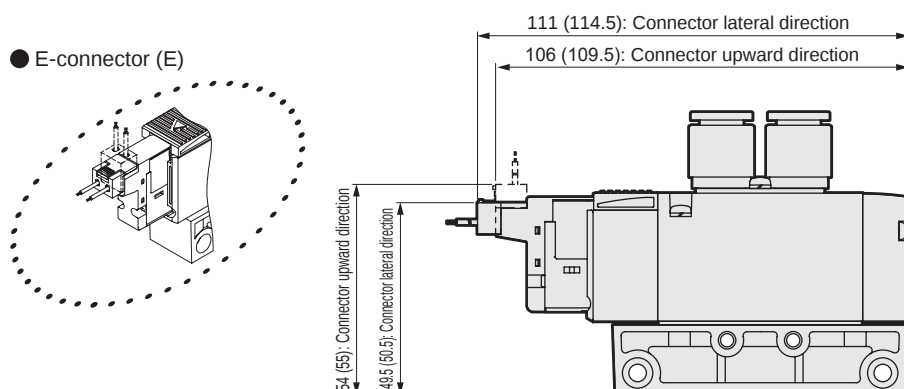


● Rc1/4 female thread (08)



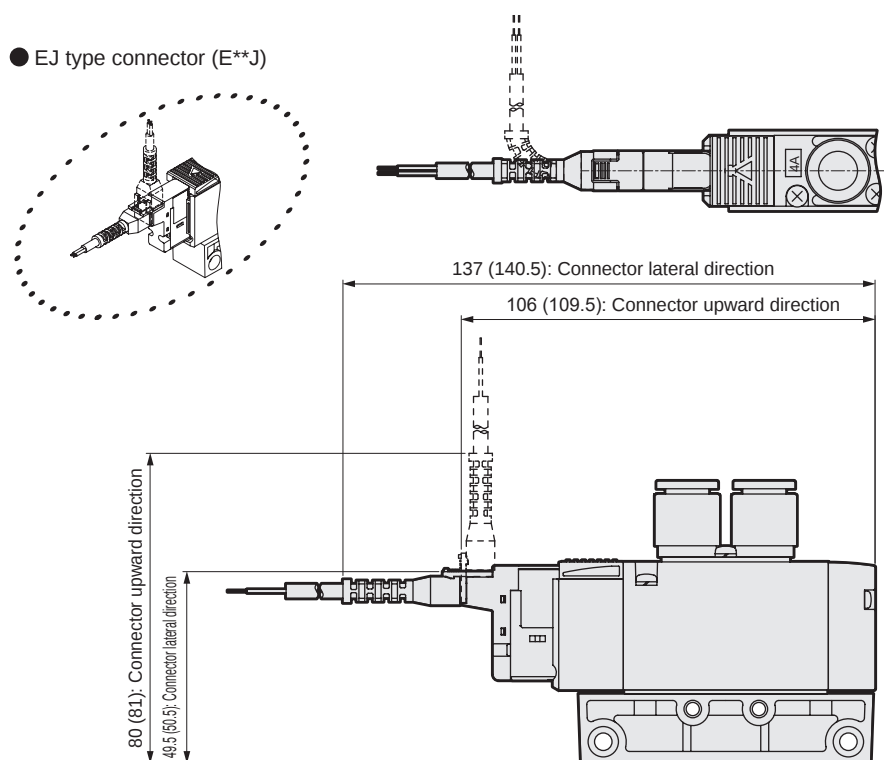
Dimensions

● E-connector (E)



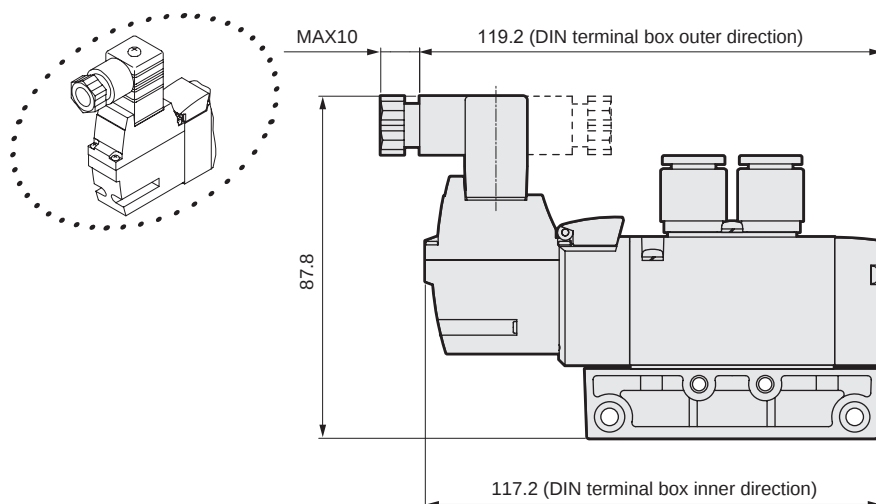
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GD3 Series

Discrete valve; body piping

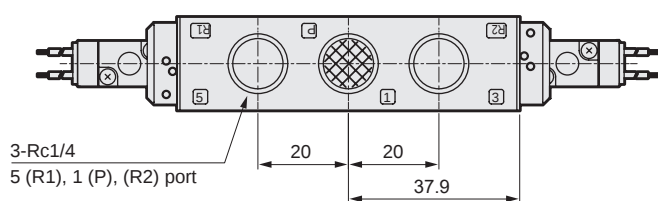
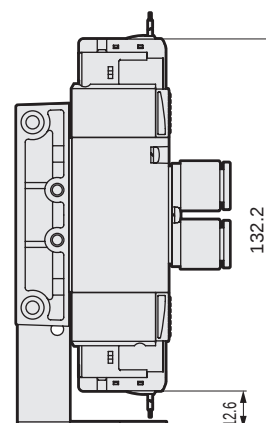
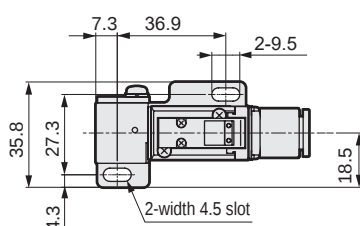
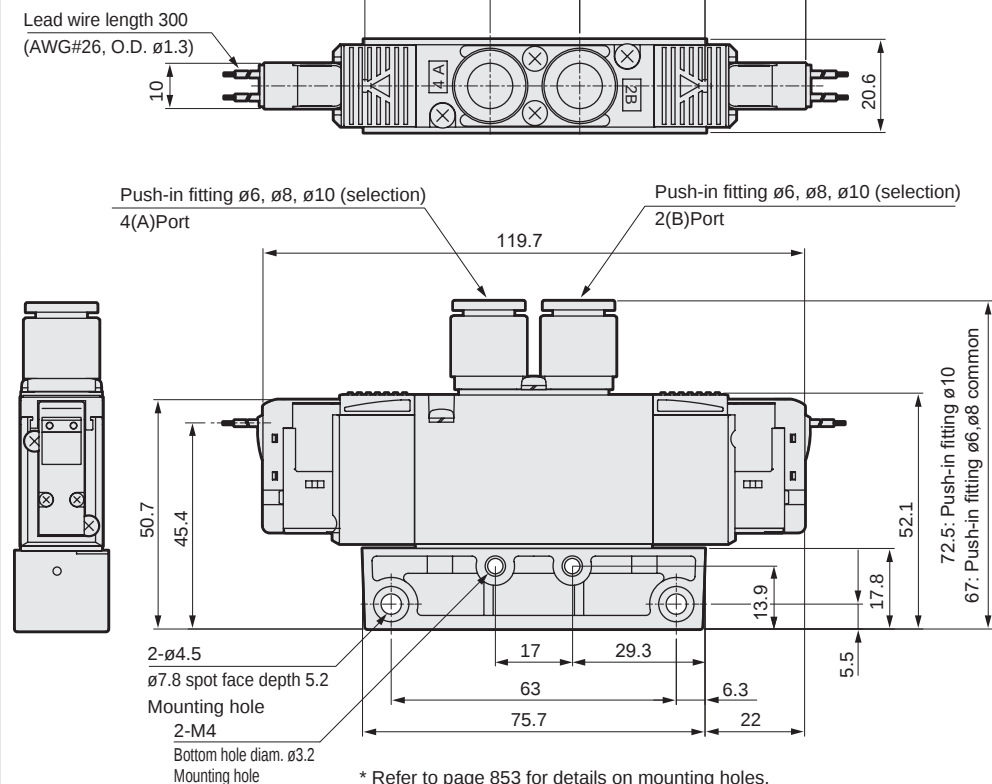
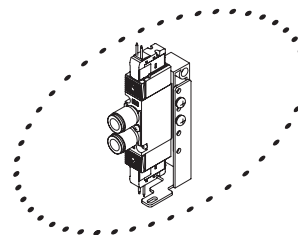
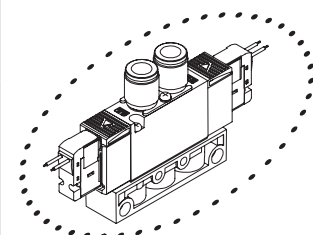
Dimensions



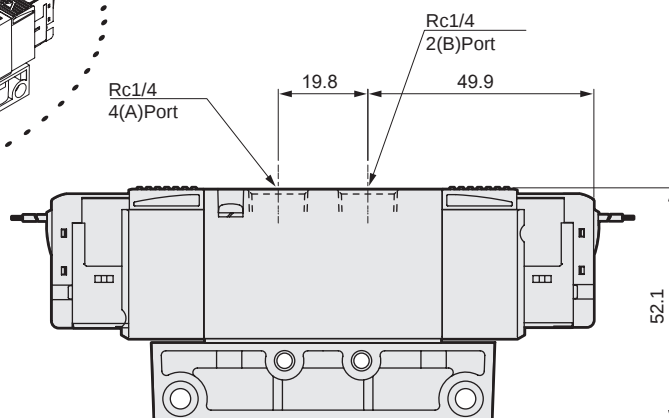
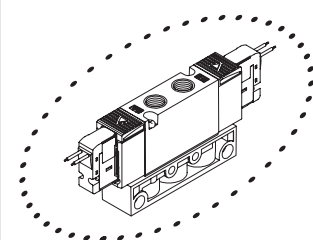
4GD320R

● 2-position double grommet lead wire (blank)

● Mounting plate (P)

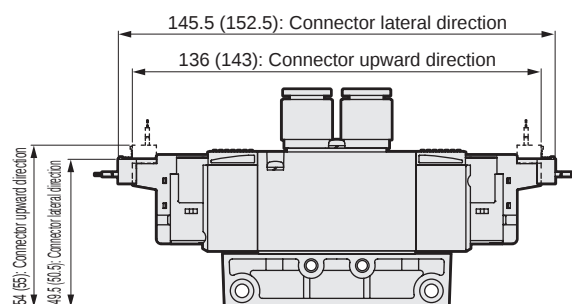
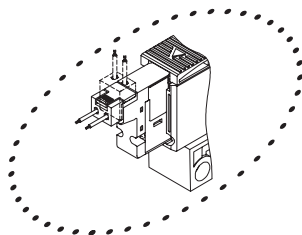


● Rc1/4 female thread (08)



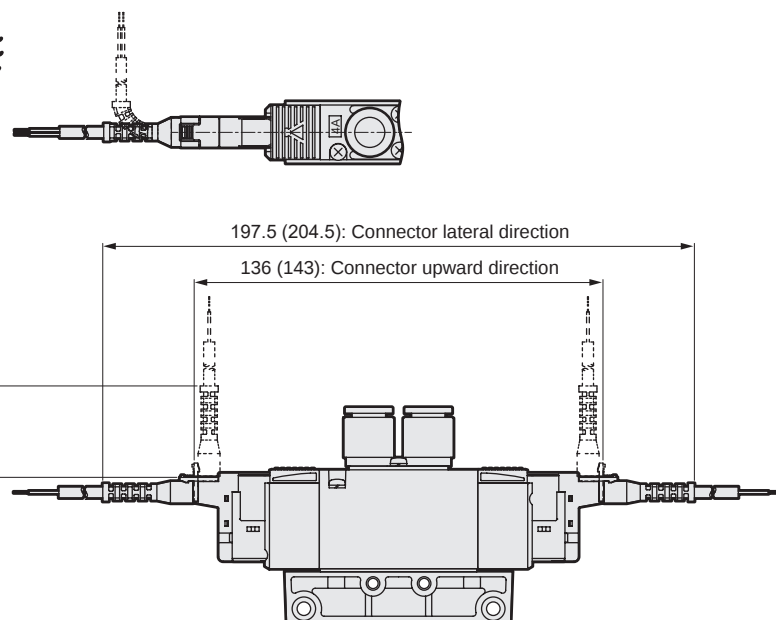
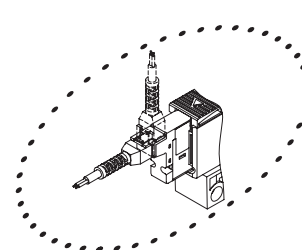
Dimensions

● E-connector (E)



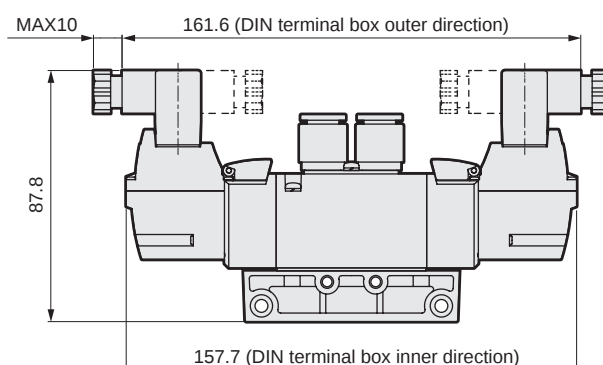
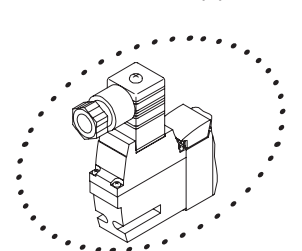
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GD3 Series

Discrete valve; body piping

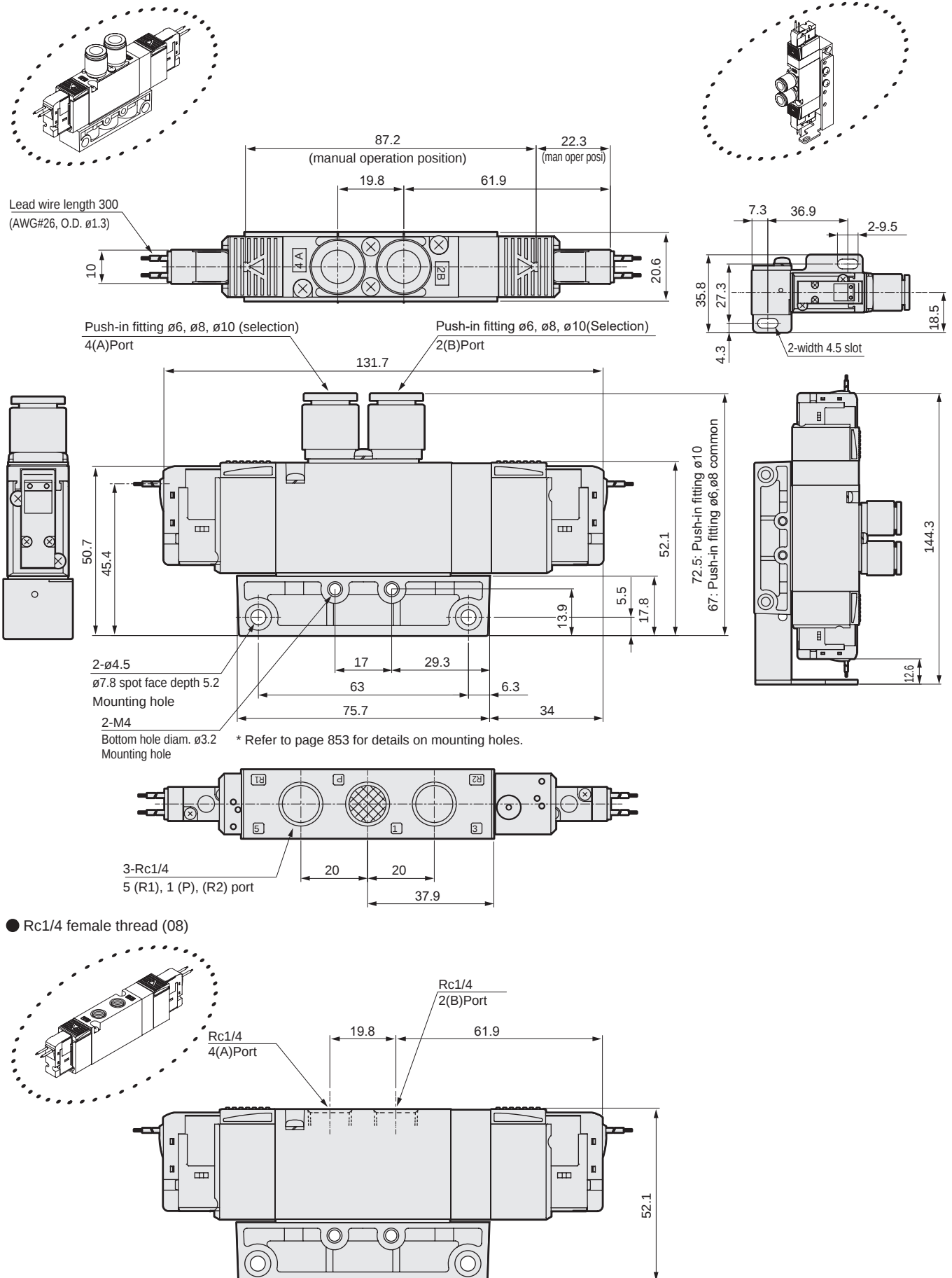
Dimensions



4GD3^{3/8}0R

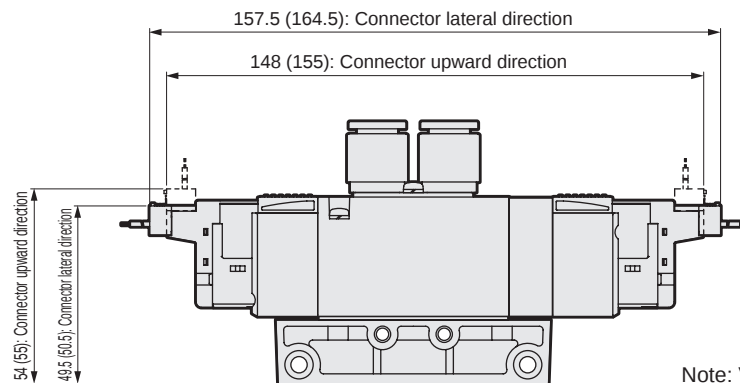
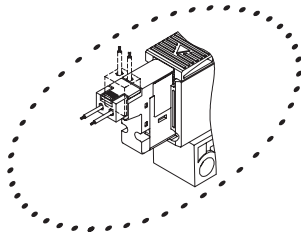
● 3-position grommet lead wire (blank)

● Mounting plate (P)



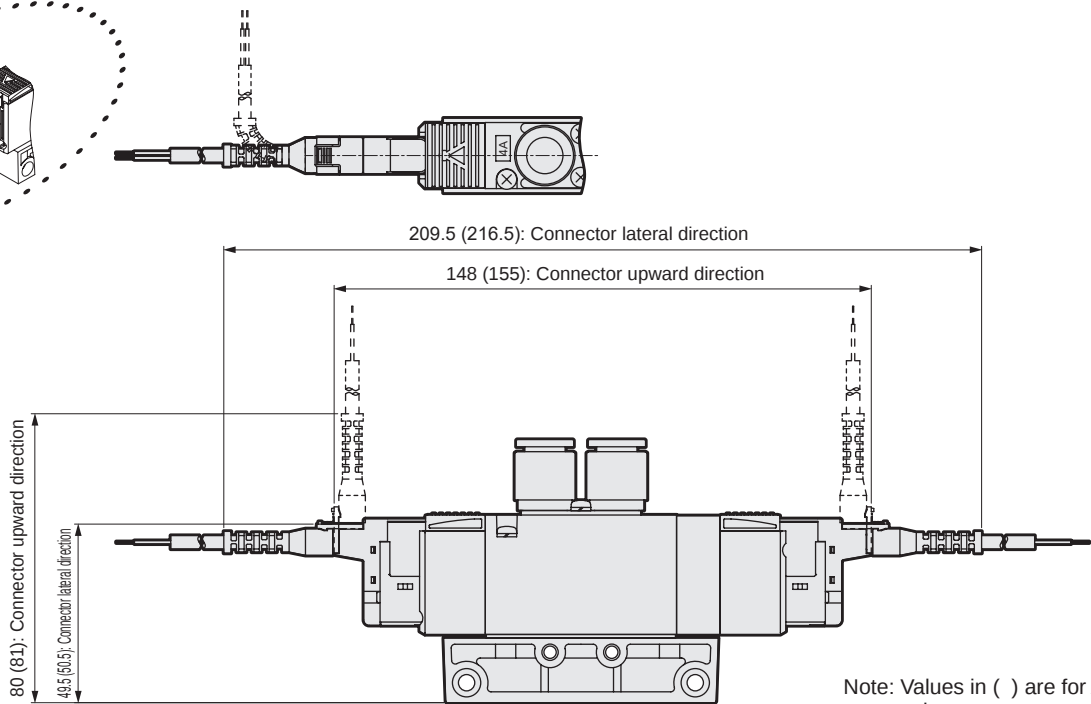
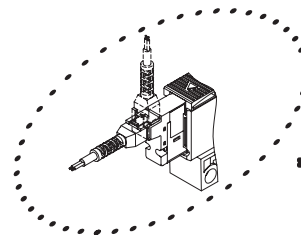
Dimensions

● E-connector (E)



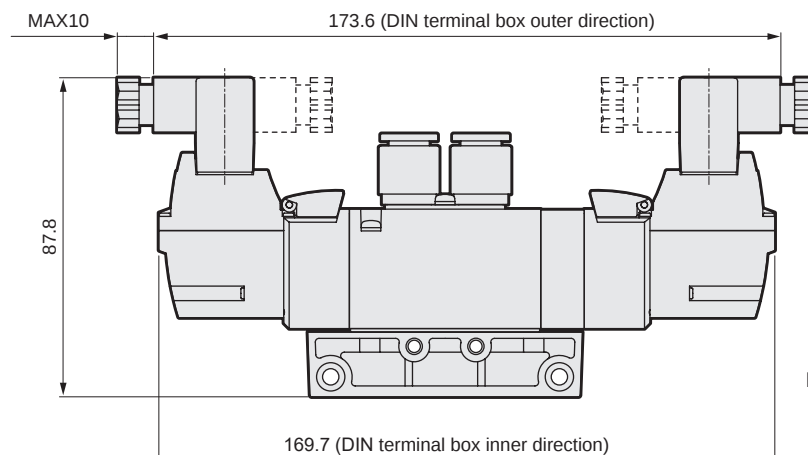
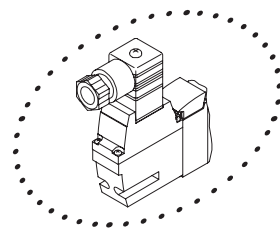
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

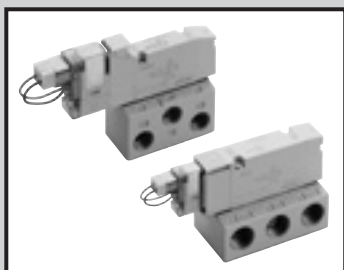
● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GA/B
M4GA/B
MN4GA/B
4GA/B
(master)
4GB
With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B
(master)
4F
4F
(master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HNV
HSV
2QV
3QV
SKH
Silencer
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Ending



Single valve
Base piping

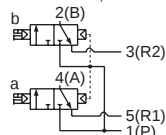
3GE1/2 / 4GE1/2/3 Series

● Cylinder bore size: ø20 to ø100

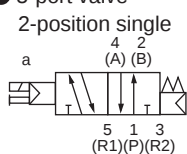


JIS symbol

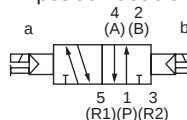
- Two 3-port valves integrated
(A side valve: NC, B side valve: NC)



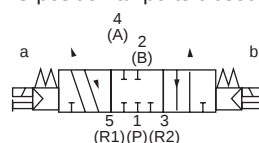
- 5-port valve



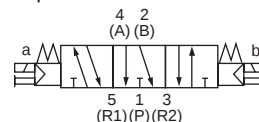
2-position double



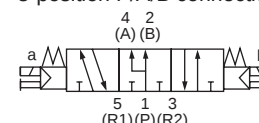
3-position all ports closed



3-position A/B/R connection



3-position P/A/B connection



Common specifications

Item	Description
Valve and operation	Pilot operated soft spool valve
Working fluid	Compressed air
Max. working pressure MPa	0.7 (≈100 psi, 7 bar)
Min. working pressure MPa	0.2 (≈29 psi, 2 bar)
Proof pressure MPa	1.05 (≈150 psi, 10.5 bar)
Ambient temperature °C	-5 (23°F) to 55 (131°F) (no freezing)
Fluid temperature °C	5 (41°F) to 55 (131°F)
Manual override	Non-locking/locking common (standard)
Pilot exhaust method	Internal pilot Main valve/pilot valve common exhaust
Lubrication (*1)	Not required
Degree of protection (*2)	Dust-proof
Vibration resistance m/s ²	50 or less
Shock resistance m/s ²	300 or less
Atmosphere	Cannot be used in corrosive gas environments

*1 Use turbine oil Class 1 ISO VG32 for lubrication. Excessive or intermittent lubrication results in unstable operation.

*2 Avoid dripping water or oil, etc., during use.
IP65 (jet-proof) applies for DIN terminal box specifications.
However, the specified outer diameter of the applicable cord and tightening torque must be used for fixing in place.

Electrical specifications

Item	Description			
Rated voltage V	24 DC	12 DC	100 AC	200 AC
Voltage fluctuation range	±10%			
Holding current A (*3)	0.015 (0.017)	0.030 (0.034)	0.009 (0.009)	0.006 (0.006)
Power consumption W (*3)	0.35(0.40)		-	
Apparent power VA (*3) (*4)	-		0.93 (0.98)	1.40
Thermal class	B			
Surge suppressor	Option			
Indicator	Lamp (option)			

*3 Values in () apply when lamp is included.

*4 200 VAC is the value of DIN terminal box (with lamp).

Individual specifications

Item	3GE1/4GE1	3GE2/4GE2	4GE3
Port size	A/B port	Rc1/8	Rc1/4, Rc3/8
	P/R1/R2 port	Rc1/8	Rc1/4, Rc3/8

Performance/characteristics by model

Item		3GE1/4GE1		3GE2/4GE2		4GE3		
		ON	OFF	ON	OFF	ON	OFF	
Response time ms	Two 3-port valves integrated		12	15	15	30	-	-
	2-position	Single	15	25	20	30	25	40
		Double	15	-	20	-	25	-
	3-position	ABR connection	20	30	25	35	35	50

Values with a lamp/surge suppressor are shown. The response time is the value with supply pressure of 0.5 MPa at 20°C and without lubrication. It depends on the pressure and the lubricant quality.

Weight

Item				3GE1/4GE1	3GE2/4GE2	4GE3
Weight g	Single	Grommet lead wire		80(38)	158(76)	221(102)
			E-connector	82(40)	160(78)	223(104)
			DIN terminal box	-	195(113)	255(136)
	2-position	Double	Grommet lead wire	97(55)	175(93)	240(121)
			E-connector	101(59)	179(97)	244(125)
			DIN terminal box	-	218(136)	280(161)
	3-position	All ports closed	Grommet lead wire	98(56)	186(104)	249(130)
			E-connector	102(60)	190(108)	253(134)
			DIN terminal box	-	229(147)	289(170)

- Values in () do not include the pipe adaptor. Values for the E-connector include the socket assembly (with 300 mm lead wire). For the EJ-connector, add 16 g/connector to the E-connector weight.
- The weight of the two 3-port valves integrated type is the same as that of 2-position double.

Flow characteristics

Model No.	Solenoid position		P → A/B		A/B → R1/R2	
			C[dm ³ /(s·bar)]	b	C[dm ³ /(s·bar)]	b
3GE1 4GE1	Two 3-port valves integrated		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
3GE2 4GE2	Two 3-port valves integrated		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
4GE3	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

*1: Formula to calculate sonic conductance C from effective cross-sectional area S is $S=5.0 \times C$.

Ozone-proof specifications • Coolant proof specifications

Can be selected with "How to order" Item (E) option "A" on page 484.

Specifications for rechargeable battery (Catalog No. CC-1226A)

- For use in the rechargeable battery manufacturing process, materials used for air path and sliding section are limited

** - Voltage - **P4**

CE marking specifications

** - Voltage - **ST**

- Standard voltage of 24 VDC or less is CE marking-compatible even if the model No. is not indicated with "ST".

4GA/B
M4GA/B
MN4GA/B
4GA/B (master)
4GB With sensor
4GD/E
M4GD/E
MN4GD/E
4GA4/B4
MN3E
MN4E
W4GA/B2
W4GB4
MN3S0
MN4S0
4SA/B0
4KA/B
4KA/B (master)
4F
4F (master)
PV5G
GMF
PV5
GMF
PV5S-0
3Q
MV3QR
3MA/B0
3PA/B
P/M/B
NP/NAP
NVP
4G*0EJ
4F*0EX
4F*0E
HNV
HSV
2QV
3QV
SKH
Silencer
TotAirSys (Total Air)
TotAirSys (Gamma)
Ending

3GE1/2 / 4GE1/2/3 Series

Discrete valve; base piping

How to order

● Discrete valve

4GE1 1 0 R - 06 - E2 - 3

3GE1 66 0 R - 06 - E2 - 3

● Discrete valve for mounting base

4GE1 1 9 R - 00 - E2 H - 3

3GE1 66 9 R - 00 - E2 H C - 3

B Solenoid position

A Model No.

C Port size

D Electrical connections
Refer to page 441 for the circuit diagram with surge suppressor/lamp.

E Option

F Pilot exhaust method

G Voltage

⚠ Precautions for model No. selection

*1 : Dimensions are the same as the respective 2-position double solenoid.

*2 : 3-position all-port blocks and PAB connections are not provided with the exhaust check valve. Refer to page 851 for details on the exhaust check valve.

*3 : A filter is built into the P-port as standard.

*4 : DIN terminal box only is supported.

*5 : Grommet lead wire specifications are compatible with DC voltage only.

*6 : A lamp comes with the terminal box.

*7 : AC voltage is with a rectifier circuit.

*8 : The terminal box conforms to EN175301-803 Type C (former DIN 43650-C). Refer to pages 856 and 857 for details.

A Model No.

3GE1 3GE2 4GE1 4GE2 4GE3

Code	Description					
B Solenoid 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	Two 3-port valves integrated (*1)	A side valve: Normally closed	B side valve: Normally closed	●	●	

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
00	Discrete valve for mounting base	●	●	●	●	●

D Electrical connections						
Blank	Grommet lead wire (300 mm) (*5)	●	●	●	●	●
B	DIN terminal box (Pg7) With surge suppressor/lamp (*6) (*8)		●		●	●
BN	DIN term. box (Pg7) (no terminal box) + surge suppressor (*6) (*8)		●		●	●
E-connector (upward/lateral common)						
E0	Lead wire (300 mm) (*7)	●	●	●	●	●
E00	Lead wire (500 mm) (*7)	●	●	●	●	●
E01	Lead wire (1000 mm) (*7)	●	●	●	●	●
E02	Lead wire (2000 mm) (*7)	●	●	●	●	●
E03	Lead wire (3000 mm) (*7)	●	●	●	●	●
E0N	Without lead wire (without socket) (*7)	●	●	●	●	●
E1	Without lead wire (socket/terminal attached) (*7)	●	●	●	●	●
E2	Lead wire (300 mm), surge suppressor/indicator lamp	●	●	●	●	●
E20	Lead wire (500 mm), surge suppressor/indicator lamp	●	●	●	●	●
E21	Lead wire (1000 mm), surge suppressor/indicator lamp	●	●	●	●	●
E22	Lead wire (2000 mm), surge suppressor/indicator lamp	●	●	●	●	●
E23	Lead wire (3000 mm), surge suppressor/indicator lamp	●	●	●	●	●
E2N	No lead wire (without socket), surge suppressor/indicator lamp	●	●	●	●	●
E3	No lead wire (with socket/terminal), surge suppressor/indicator lamp	●	●	●	●	●
EJ type connector (socket with cover, upward/lateral common)						
E01J	Lead wire (1000 mm) (*7)	●	●	●	●	●
E02J	Lead wire (2000 mm) (*7)	●	●	●	●	●
E03J	Lead wire (3000 mm) (*7)	●	●	●	●	●
E21J	Lead wire (1000 mm), surge suppressor/indicator lamp	●	●	●	●	●
E22J	Lead wire (2000 mm), surge suppressor/indicator lamp	●	●	●	●	●
E23J	Lead wire (3000 mm), surge suppressor/indicator lamp	●	●	●	●	●

E Option						
Blank	Non-locking/locking common manual override	●	●	●	●	●
H	With exhaust check valve (*2)	●	●	●	●	●
A	Ozone/coolant proof	●	●	●	●	●
F	A/B-port filter built in (*3)	●	●	●	●	●

F Pilot exhaust method						
Blank	Common exhaust (pilot exhaust check valve built-in)	●	●	●	●	●
C	Atmosphere release	○	○	○	○	○

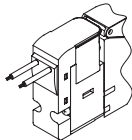
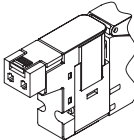
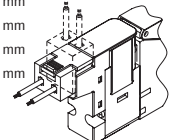
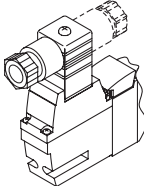
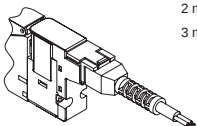
G Voltage						
1	100 VAC (rectifier integrated)	●	●	●	●	●
2	200 VAC (rectifier integrated) (*4)		●		●	●
3	24 VDC	●	●	●	●	●
4	12 VDC	●	●	●	●	●

is not available.

○ indicates a custom order.

3GE1/2 / 4GE1/2/3 Series

Single valve; base piping

Electrical connections	
Discrete valve/individual wiring manifold	
Blank	Grommet lead wire
E1 E3	E-connector with socket/terminal
● Lead wire length 300 mm  	
E0 E2	E-connector
● Lead wire length 300 mm 500 mm 1000 mm 2000 mm 3000 mm  	B
E0N E2N	E-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)
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

3GE1/4GE1 Series

Discrete valve; base piping

Internal structure and parts list

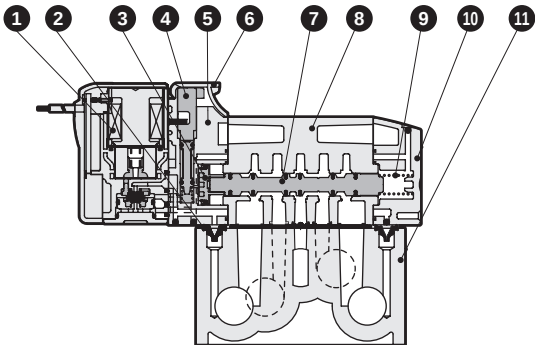
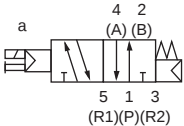
3GE1660R

- Two 3-port valves integrated
- Grommet lead wire (blank)

Refer to page 488.

4GE110R

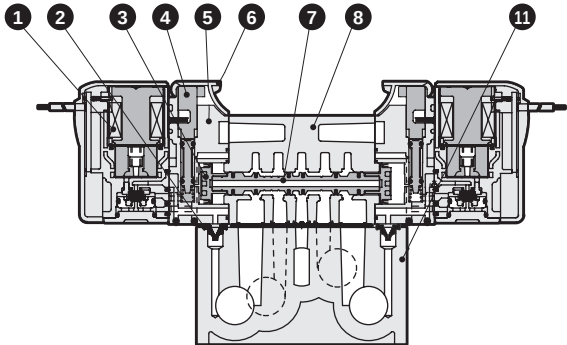
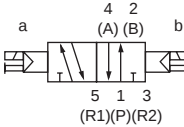
- 2-position single
- Grommet lead wire (blank)



5(R1) 4(A) 1(P) 2(B) 3(R2)

4GE120R

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

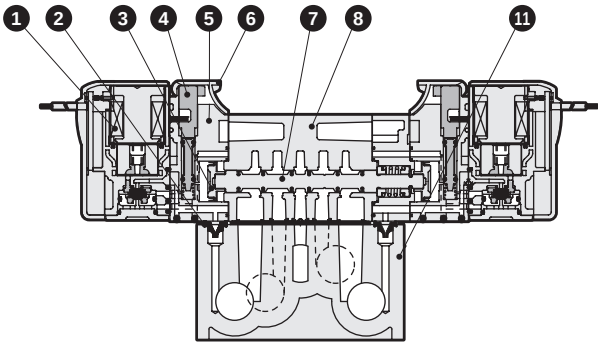
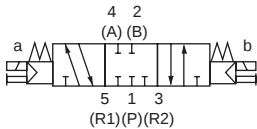


5(R1) 4(A) 1(P) 2(B) 3(R2)

4GE130R

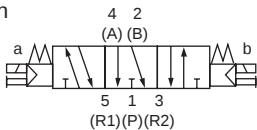
- 3-position
- Grommet lead wire (blank)

All ports closed

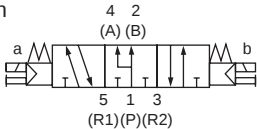


5(R1) 4(A) 1(P) 2(B) 3(R2)

A/B/R connection



P/A/B connection



Main parts list

No.	Part name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Spool assembly	-
8	Body	Aluminum alloy die-casting
9	Spool spring	Stainless steel
10	Cap	Resin
11	Sub-plate	Aluminum alloy die-casting

Parts list

No.	Part name	Material
1	Coil assembly	4GR -[electrical connections]- □ - COIL -[voltage] Blank: Standard A: Ozone specifications Blank: Grommet lead wire

Internal structure and parts list

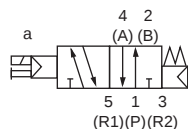
3GE2660R

- Two 3-port valves integrated
- Grommet lead wire (blank)

Refer to page 488.

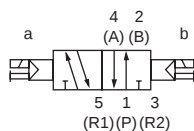
4GE210R/4GE310R

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



4GE220R/4GE320R

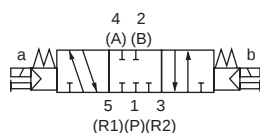
- 2-position double
- Grommet lead wire (blank)



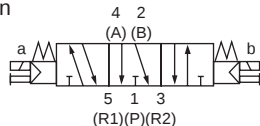
4GE230R/4GE330R

- 3-position
- Grommet lead wire (blank)

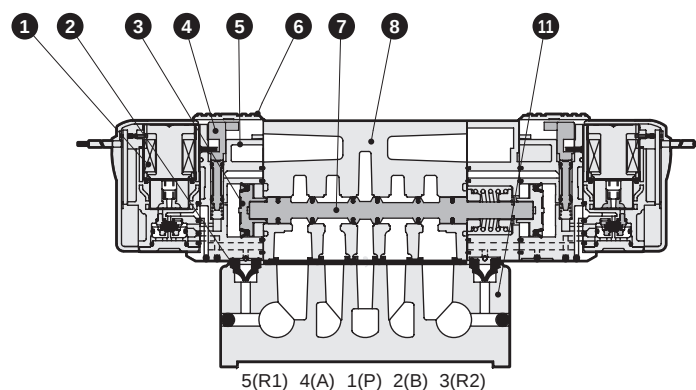
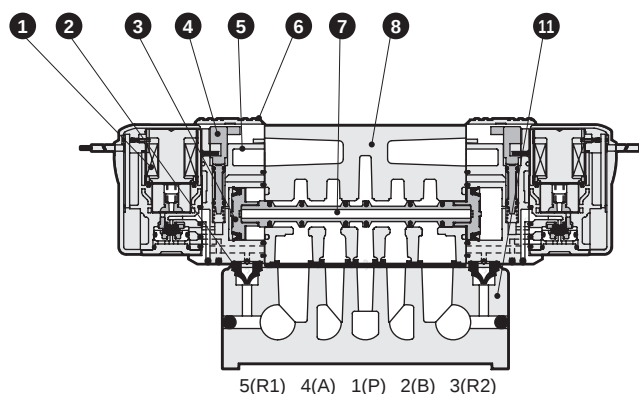
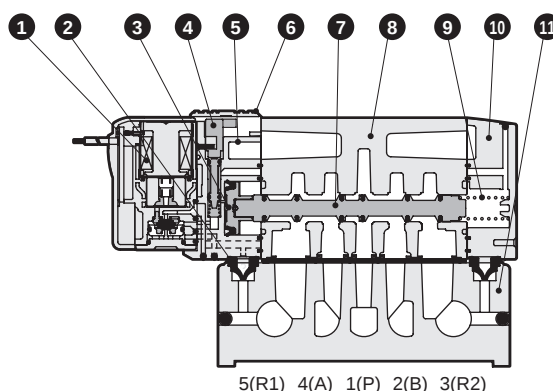
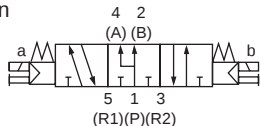
All ports closed



A/B/R connection



P/A/B connection



Main parts list

No.	Part name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber
3	Piston D assembly	-
4	Manual override	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Spool assembly	-
8	Body	Aluminum alloy die-casting
9	Spool spring	Stainless steel
10	Cap	Resin
11	Sub-plate	Aluminum alloy die-casting

Parts list

No.	Part name	Material
1	Coil assembly	4GR - [electrical connections] - [COIL] - [voltage] Blank: Standard A: Ozone specifications Blank: Grommet lead wire

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

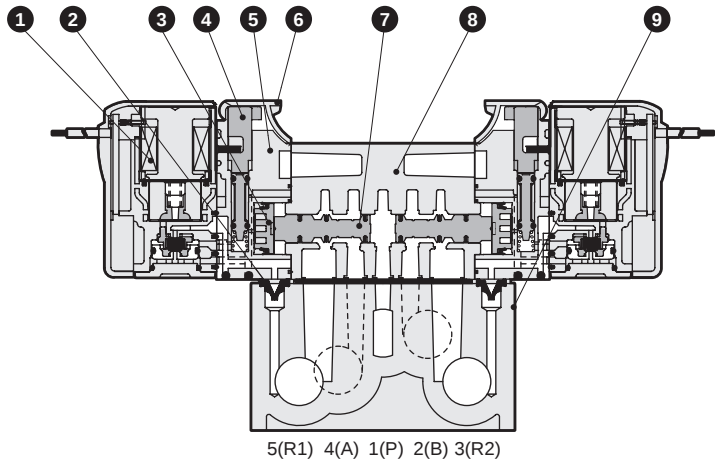
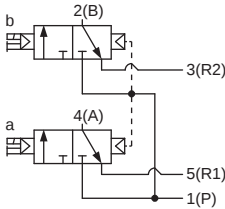
3GE1/2 Series

Discrete valve; base piping

Internal structure and parts list

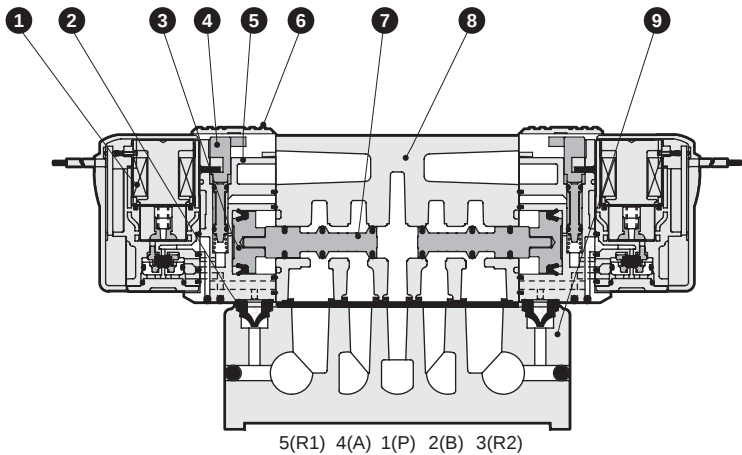
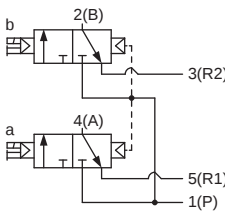
3GE1660R

- Two 3-port valves integrated
- Grommet lead wire (blank)
- A side valve: normally closed,
- B side valve: normally closed
- NC/NC



3GE2660R

- Two 3-port valves integrated
- Grommet lead wire (blank)
- A side valve: normally closed,
- B side valve: normally closed
- NC/NC



Main parts list

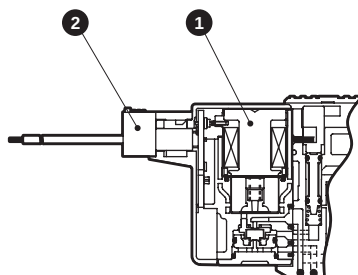
No.	Part name	Material
1	Coil assembly	-
2	Pilot exhaust check valve	Hydrogenated nitrile rubber
3	Piston assembly	-
4	Manual override	Resin
5	Piston chamber	Resin
6	Manual protection cover	Resin
7	Spool assembly	-
8	Body	Aluminum alloy die-casting
9	Sub-plate	Aluminum alloy die-casting

Parts list

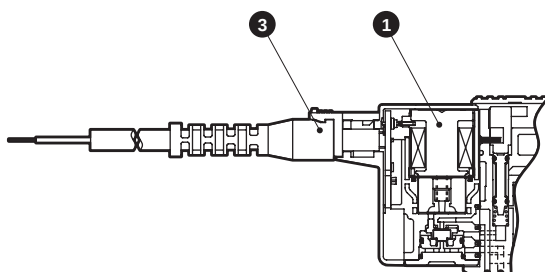
No.	Part name	Material
1	Coil assembly	4GR -electrical connections- □ - COIL - voltage Blank: Standard A: Ozone specs Blank: Grommet lead wire

Electrical connections internal structure and parts list

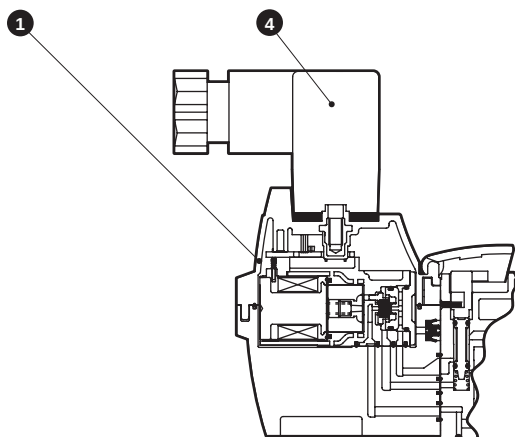
● E-connector E□□



● EJ type connector E□□J



● DIN terminal box B



Main parts list

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

Parts list

No.	Part name	Material
1	Coil assembly	4GR-[electrical connections]-□-COIL-[voltage] Blank: Standard A: Ozone specifications E* : E-connector E*J : Socket with cover type B* : DIN terminal box B includes the DIN terminal box BN does not include the DIN terminal box
2	E-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)
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

4GE1 Series

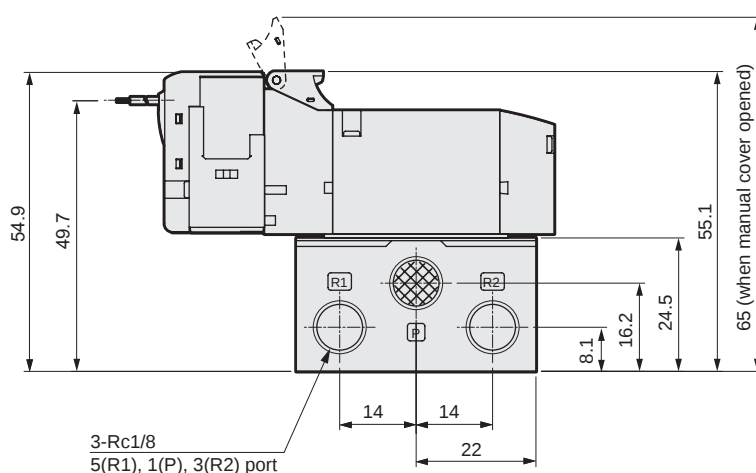
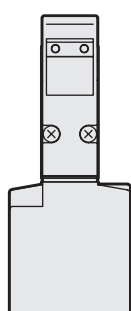
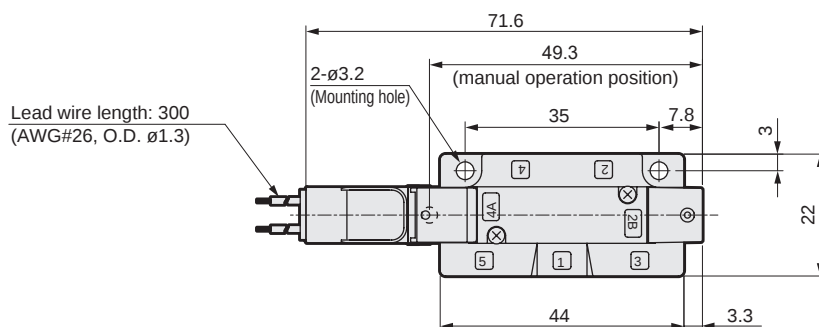
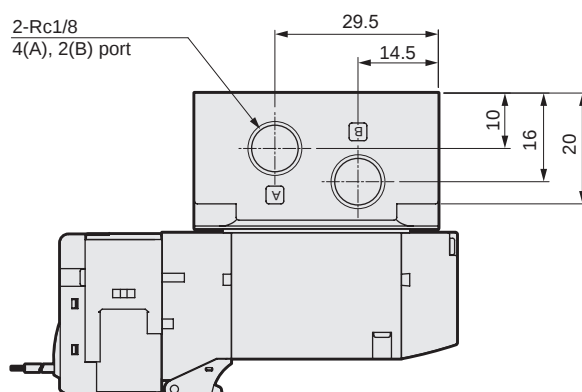
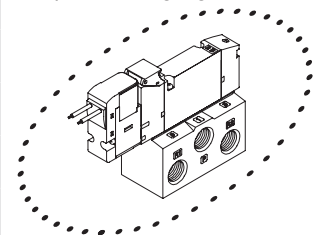
Discrete valve; base piping

Dimensions



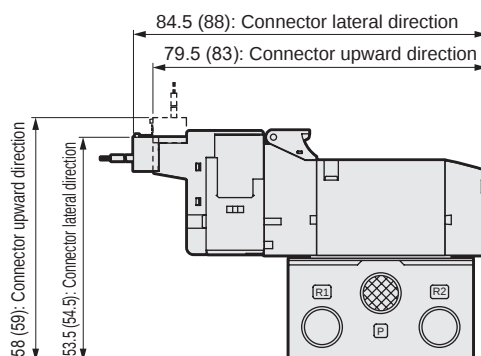
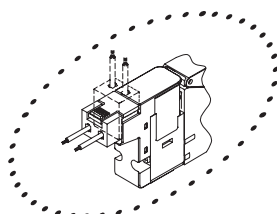
4GE110R

- 2-position single grommet lead wire (blank)



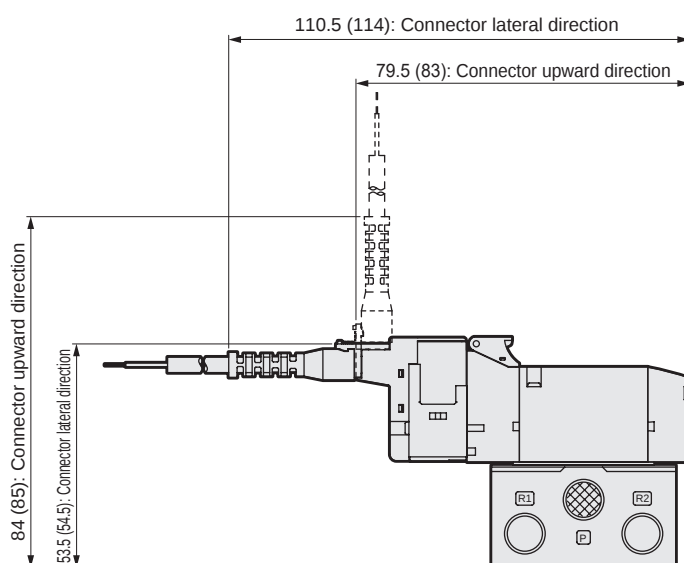
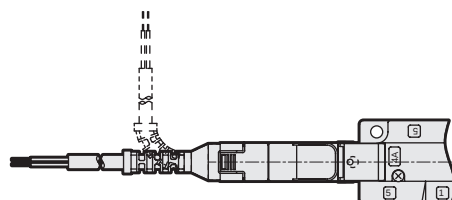
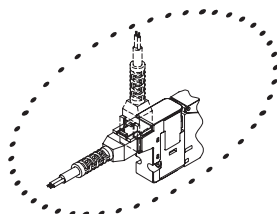
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

4GE1 Series

Discrete valve; base piping

Dimensions

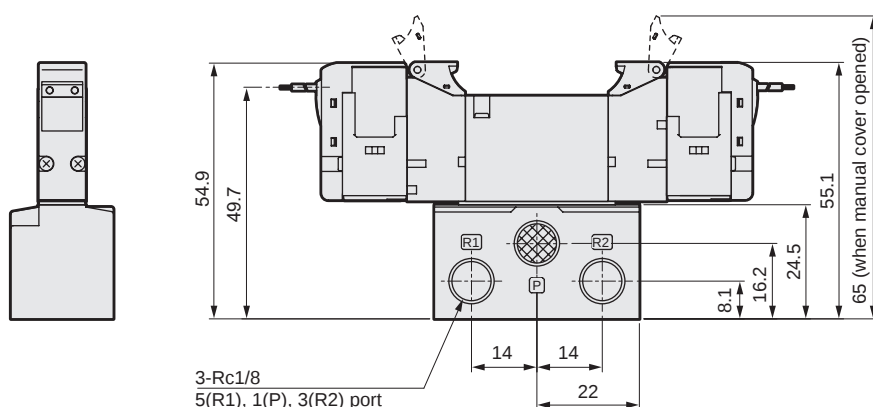
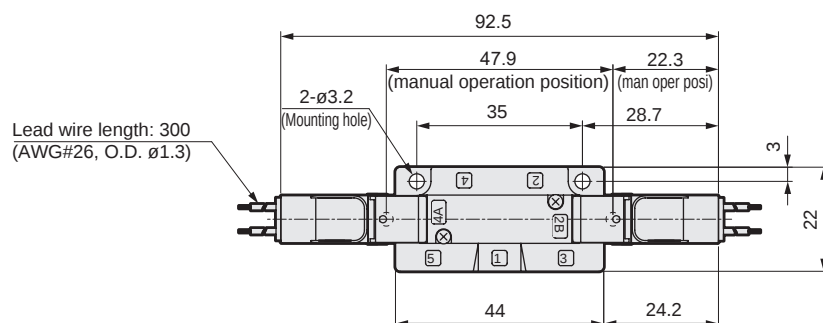
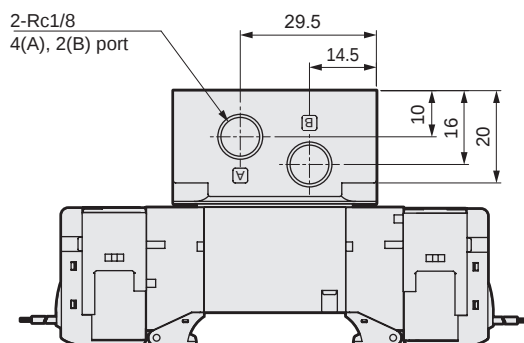
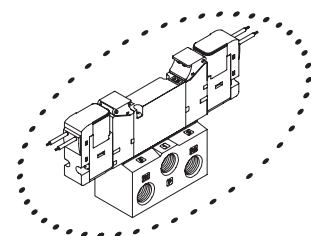


4GE120R

- 2-position double grommet lead wire (blank)

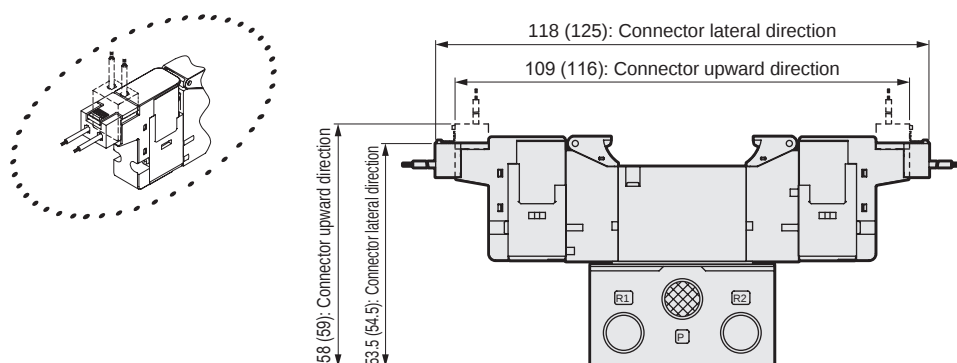
3GE1660R

- Two 3-port valves integrated grommet lead wire (blank)



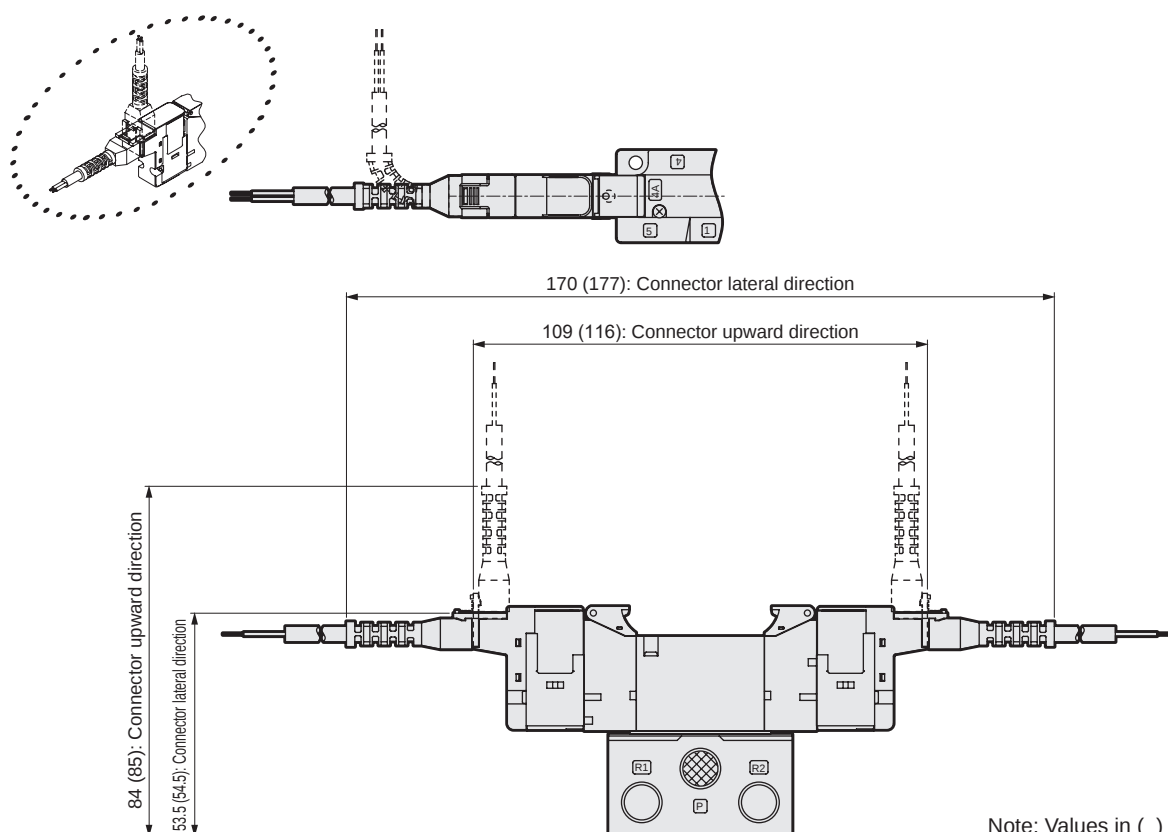
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

4GE1 Series

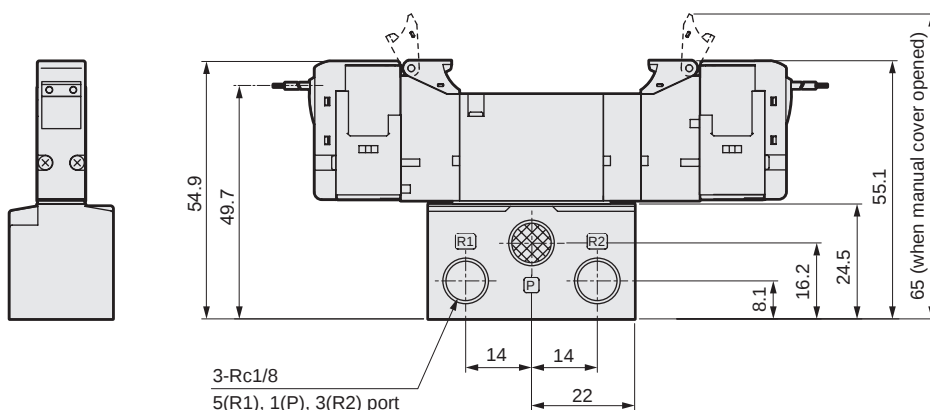
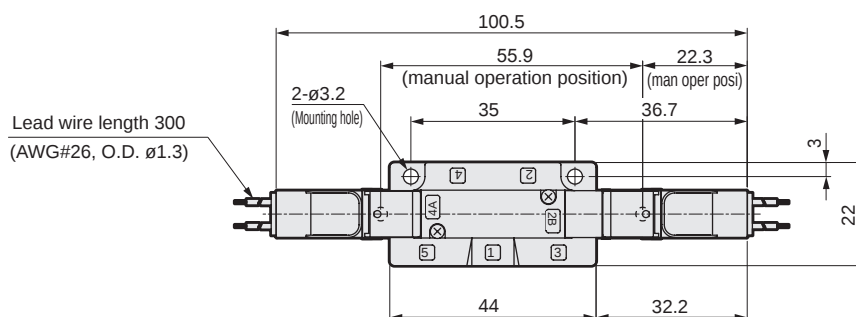
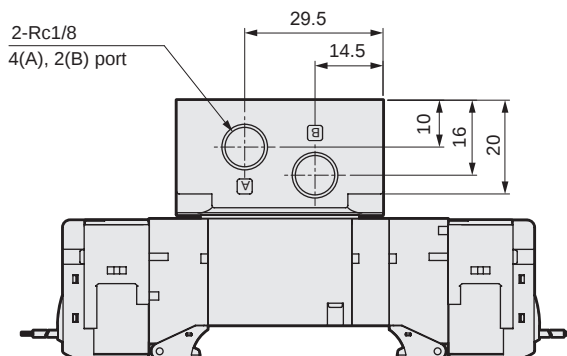
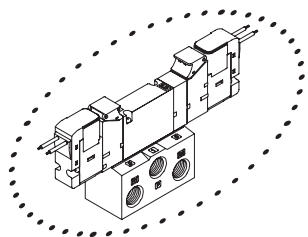
Discrete valve; base piping

Dimensions



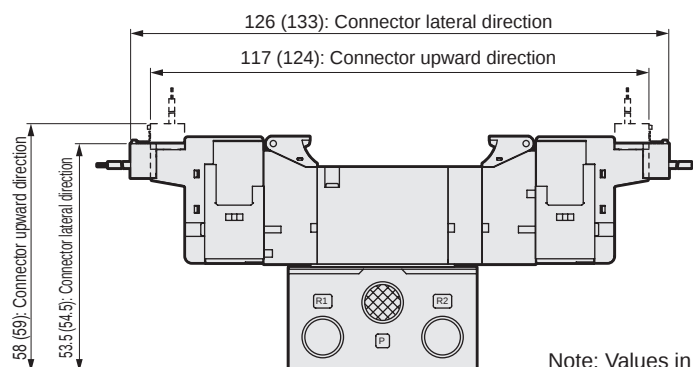
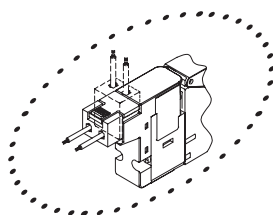
4GE1 0R

● 3-position grommet lead wire (blank)



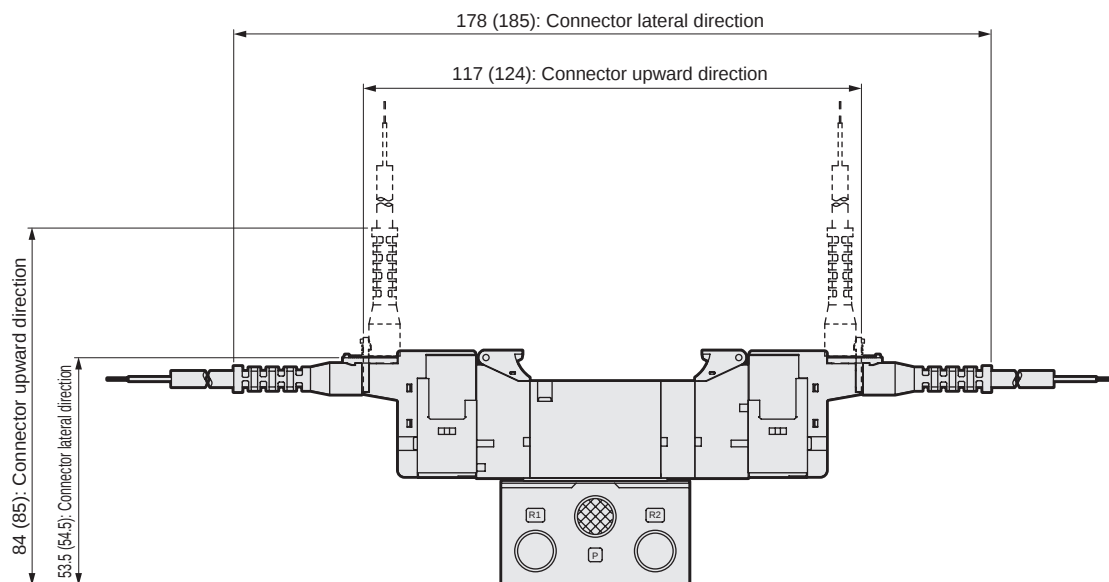
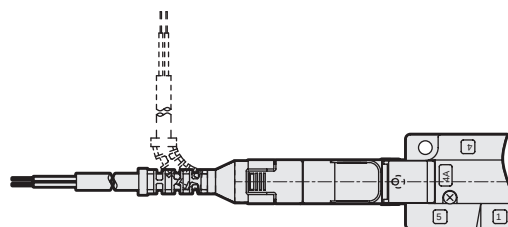
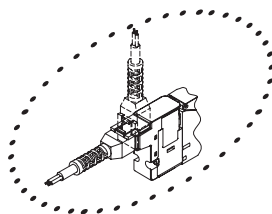
Dimensions

● E-connector (E)



Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

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

4GE2 Series

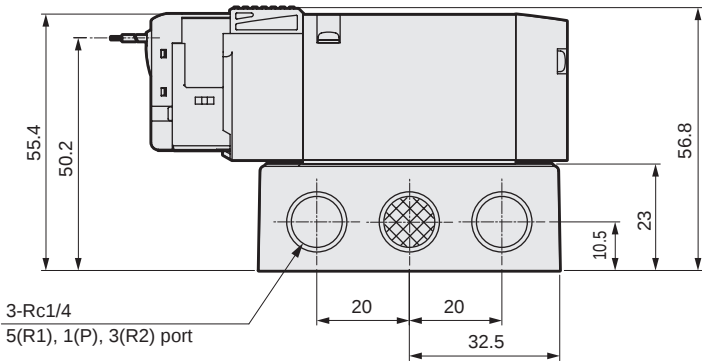
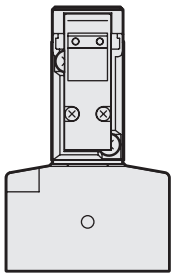
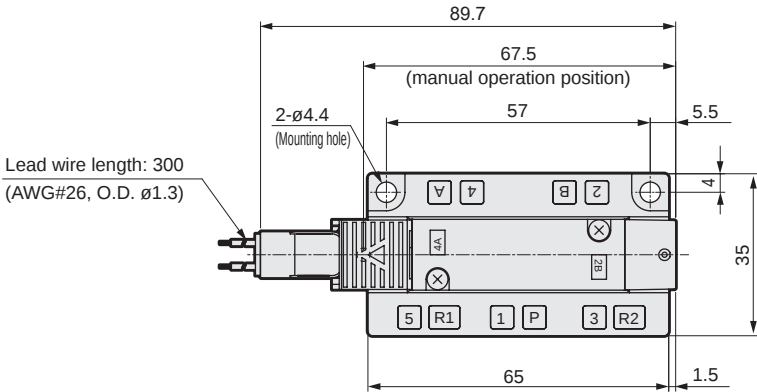
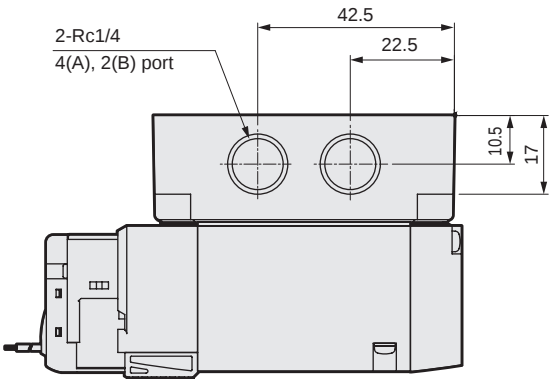
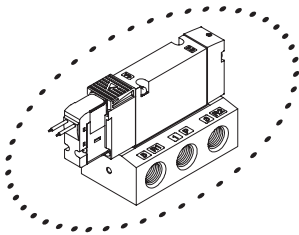
Discrete valve; base piping

Dimensions



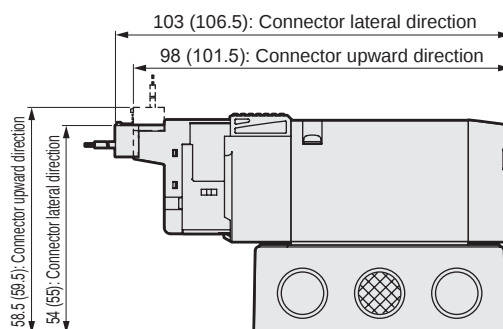
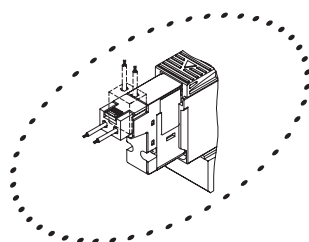
4GE210R

- 2-position single grommet lead wire (blank)



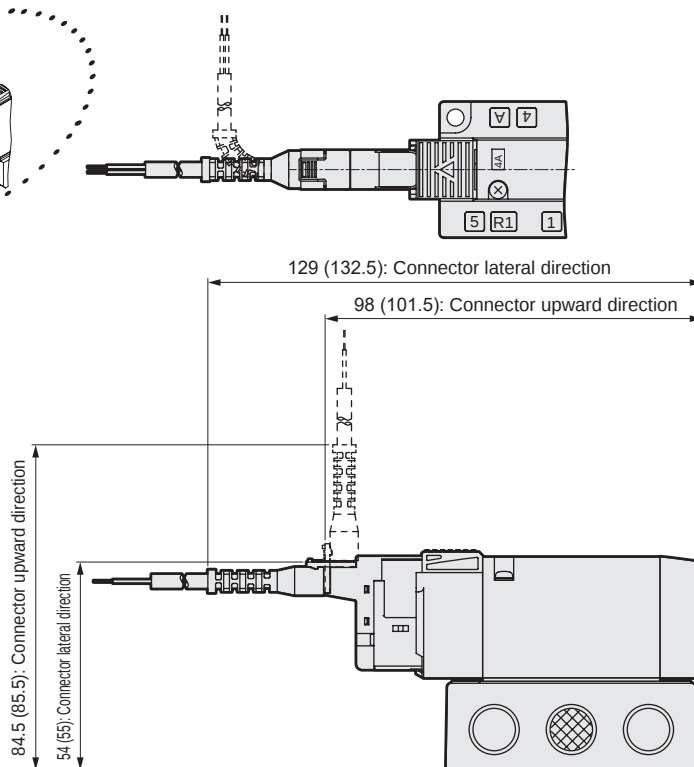
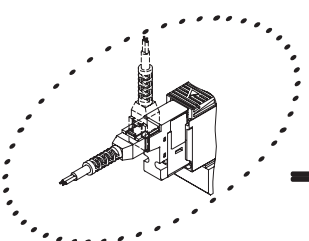
Dimensions

● E-connector (E)



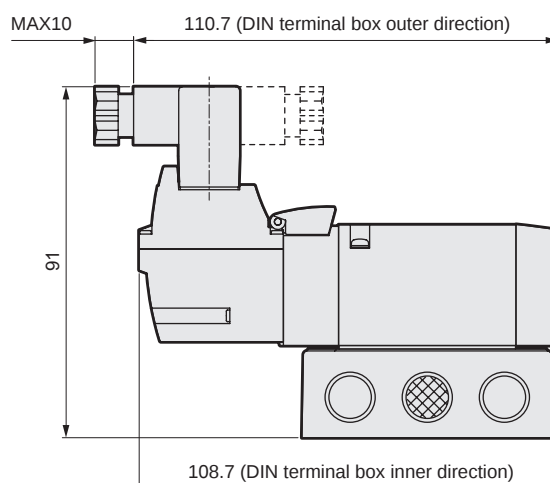
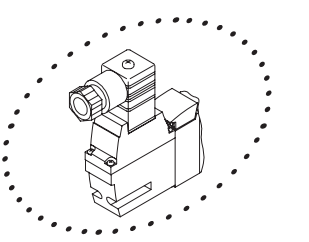
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GE2 Series

Discrete valve; base piping

Dimensions

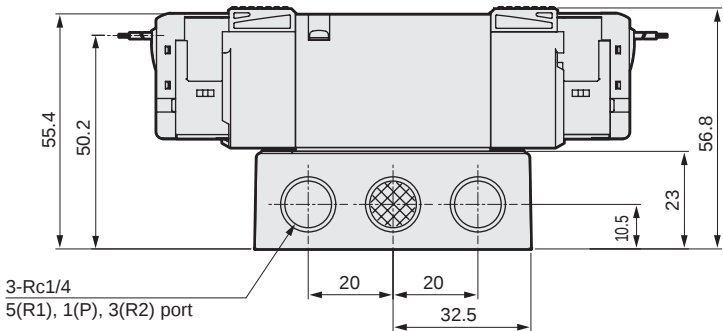
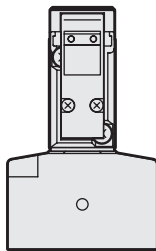
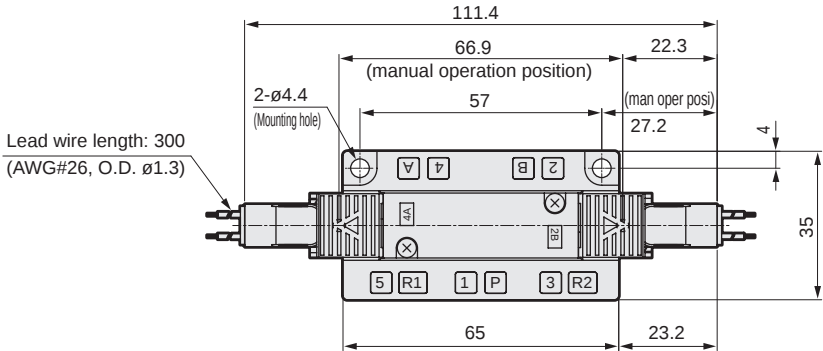
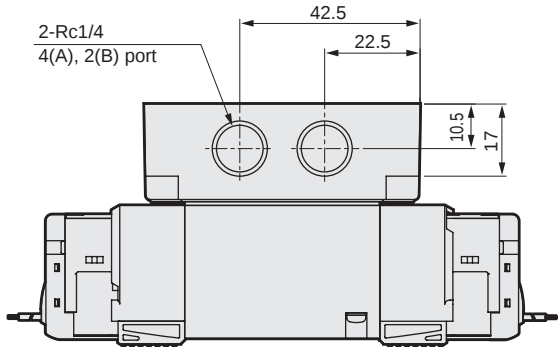
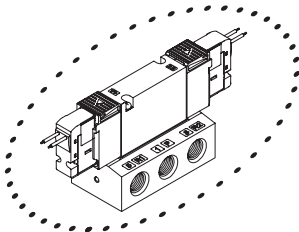


4GE220R

- 2-position double grommet lead wire (blank)

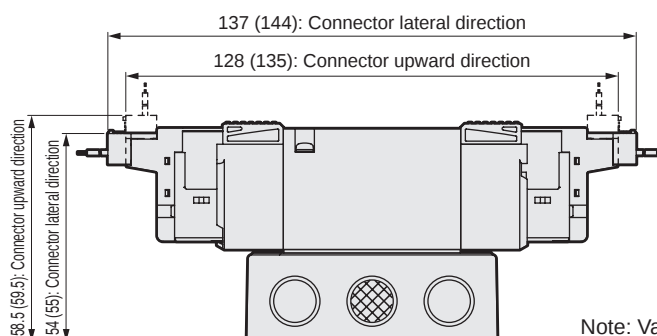
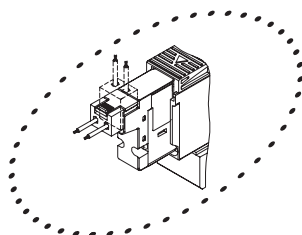
3GE2660R

- Two 3-port valves integrated grommet lead wire (blank)



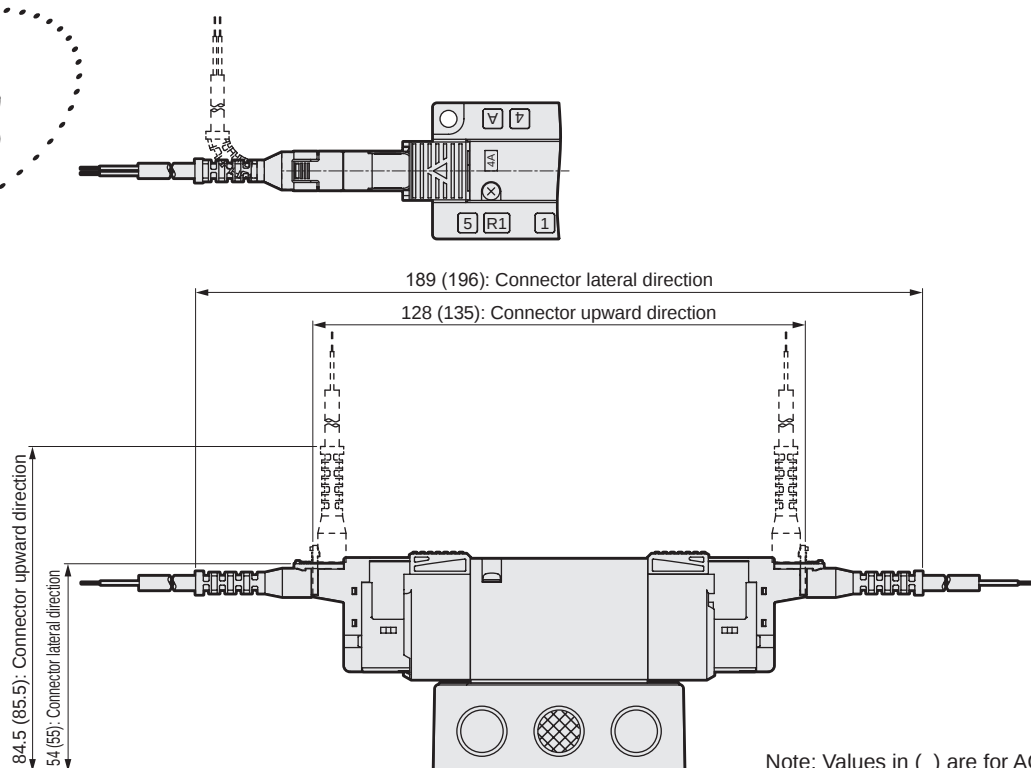
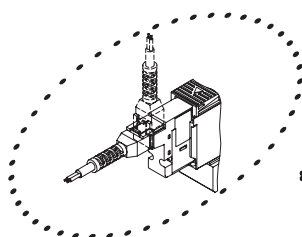
Dimensions

● E-connector (E)



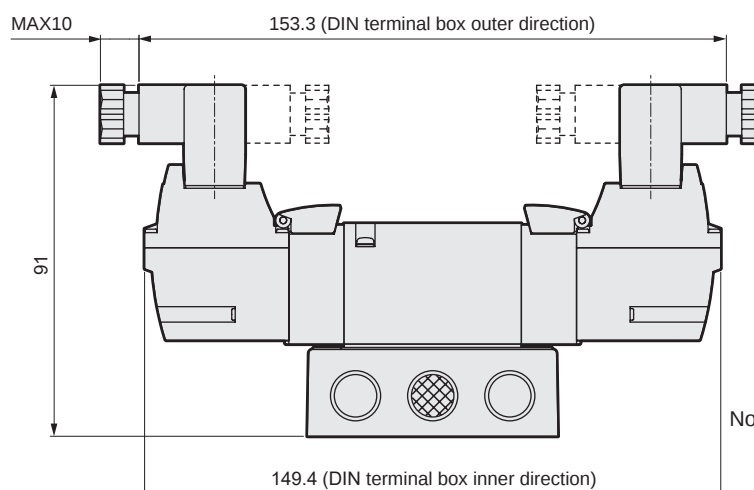
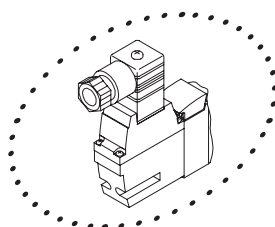
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GE2 Series

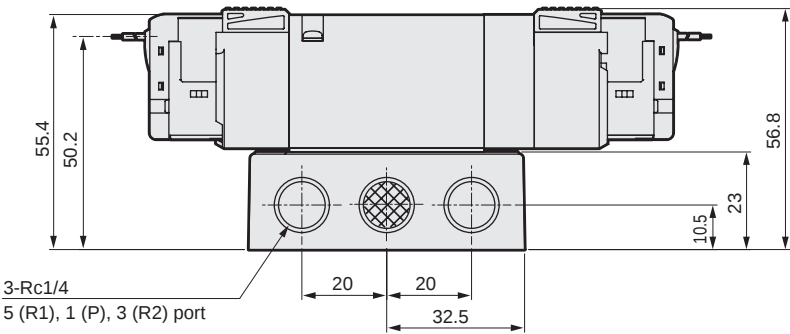
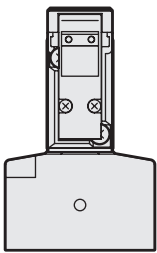
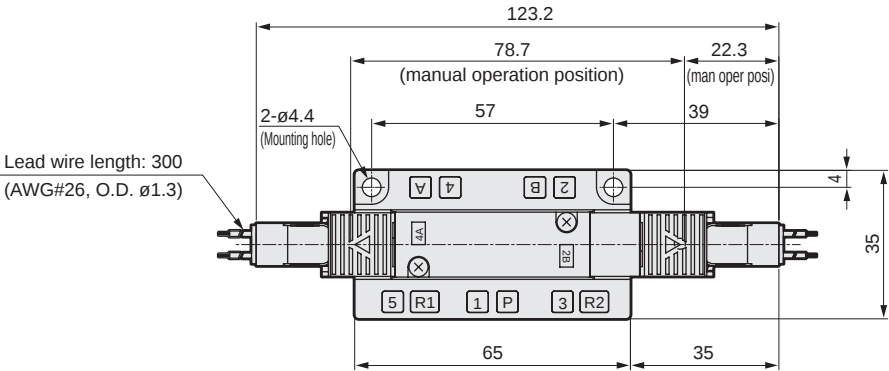
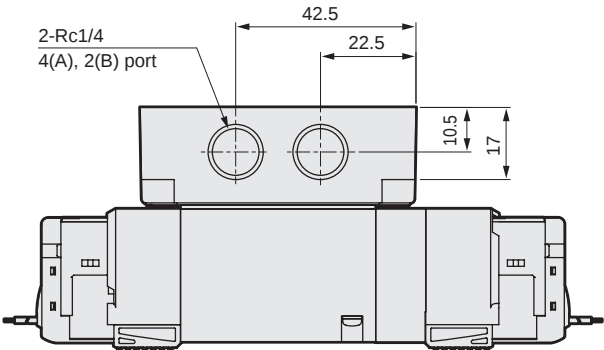
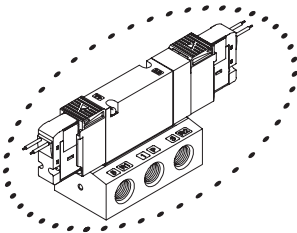
Discrete valve; base piping

Dimensions



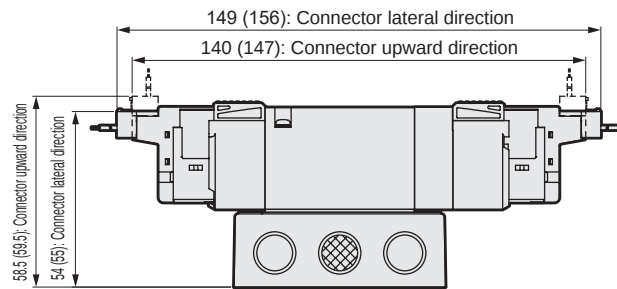
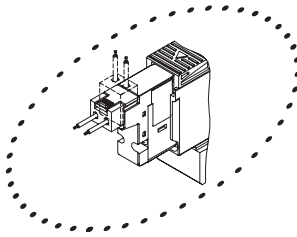
4GE2 0R

● 3-position grommet lead wire (blank)



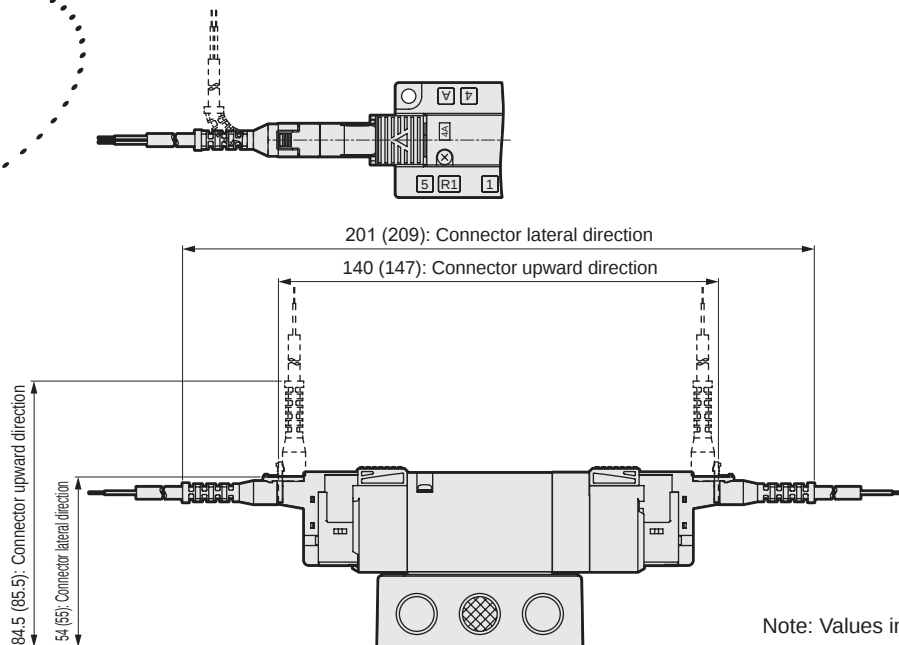
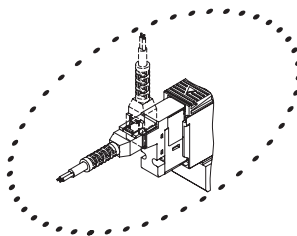
Dimensions

● E-connector (E)



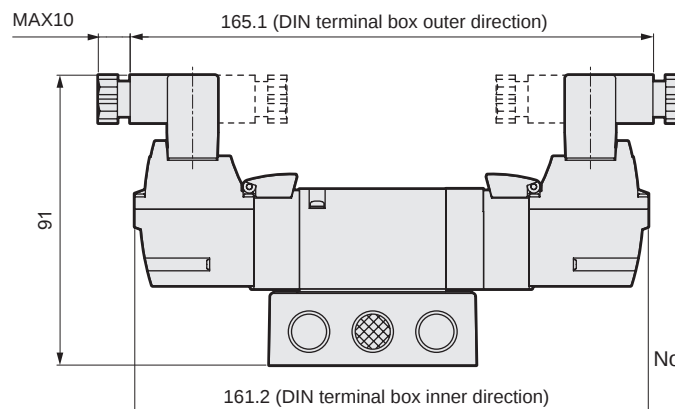
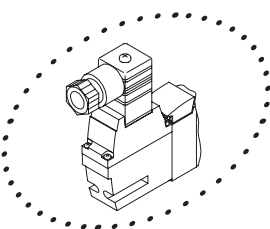
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GE3 Series

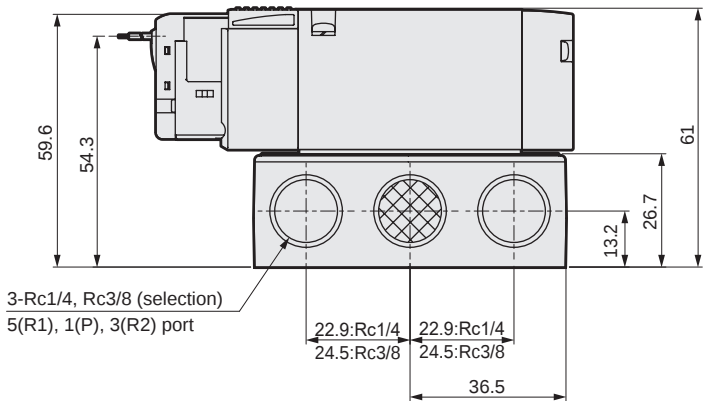
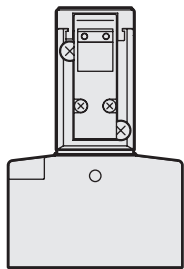
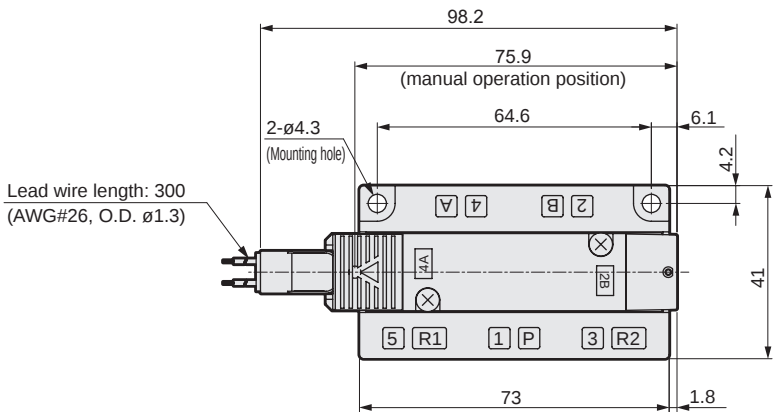
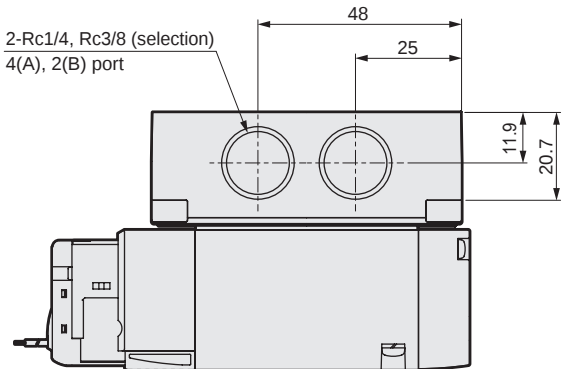
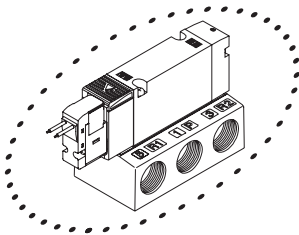
Discrete valve; base piping

Dimensions



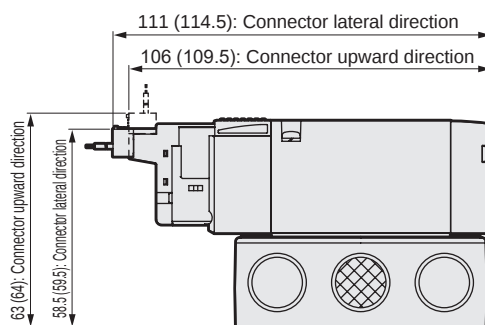
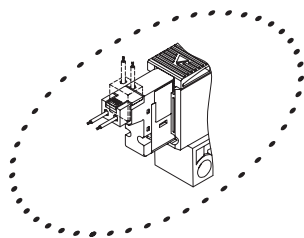
4GE310R

- 2-position single grommet lead wire (blank)



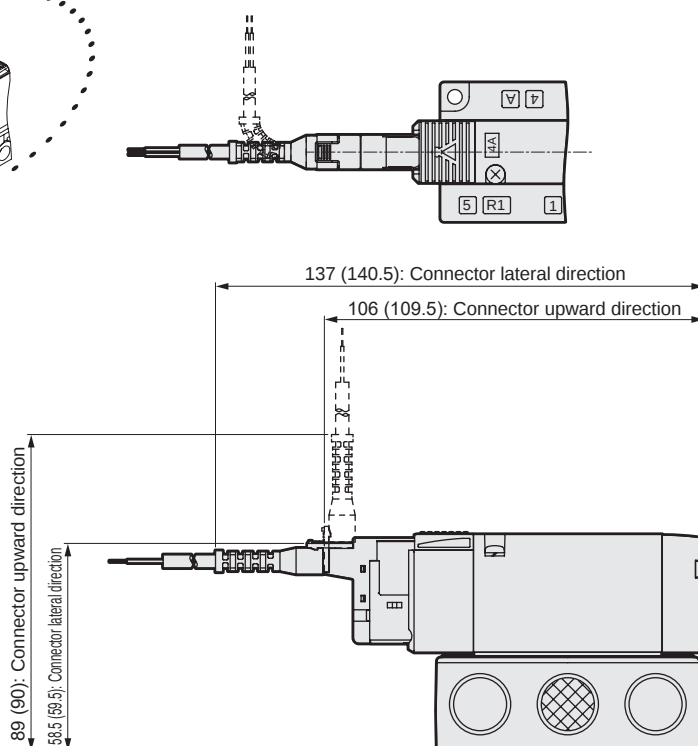
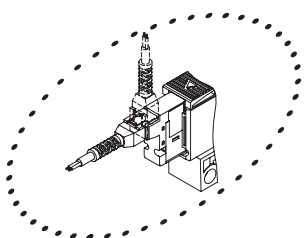
Dimensions

● E-connector (E)



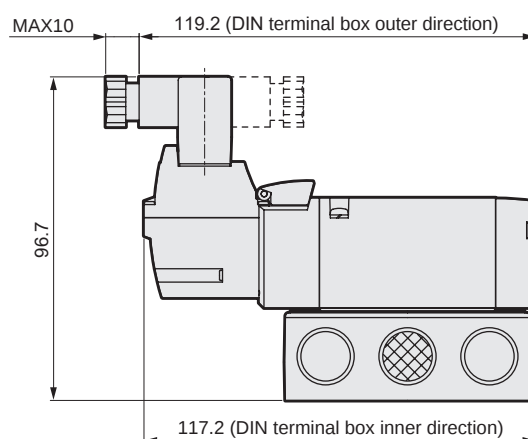
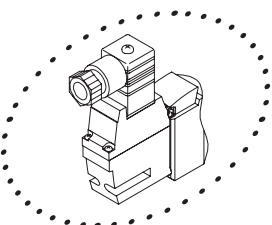
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GE3 Series

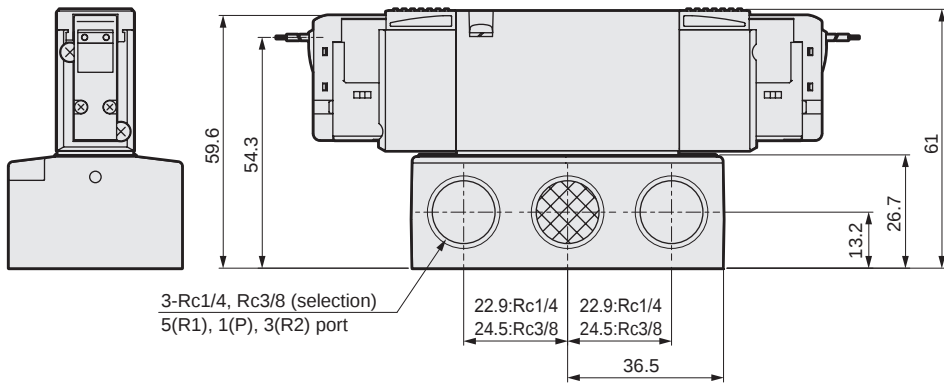
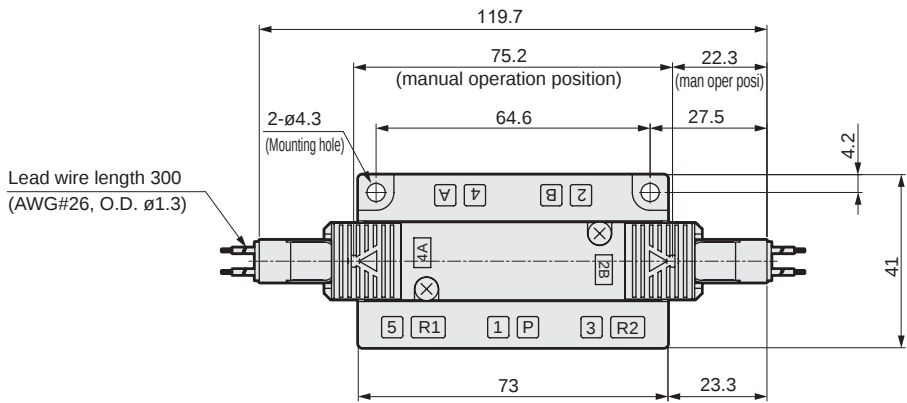
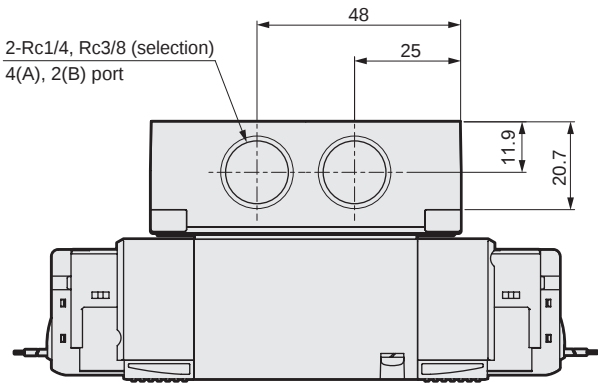
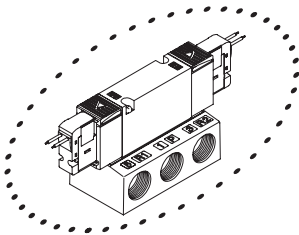
Discrete valve; base piping

Dimensions



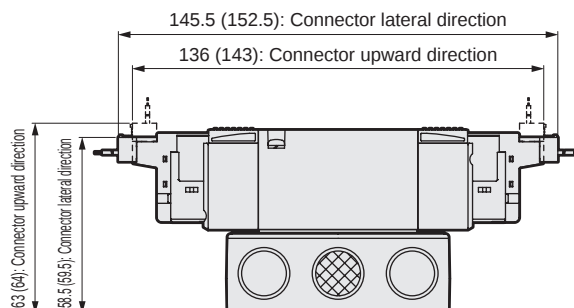
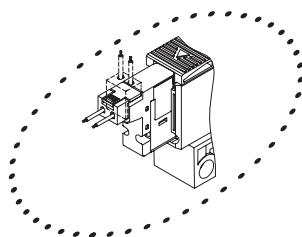
4GE320R

● 2-position double grommet lead wire (blank)



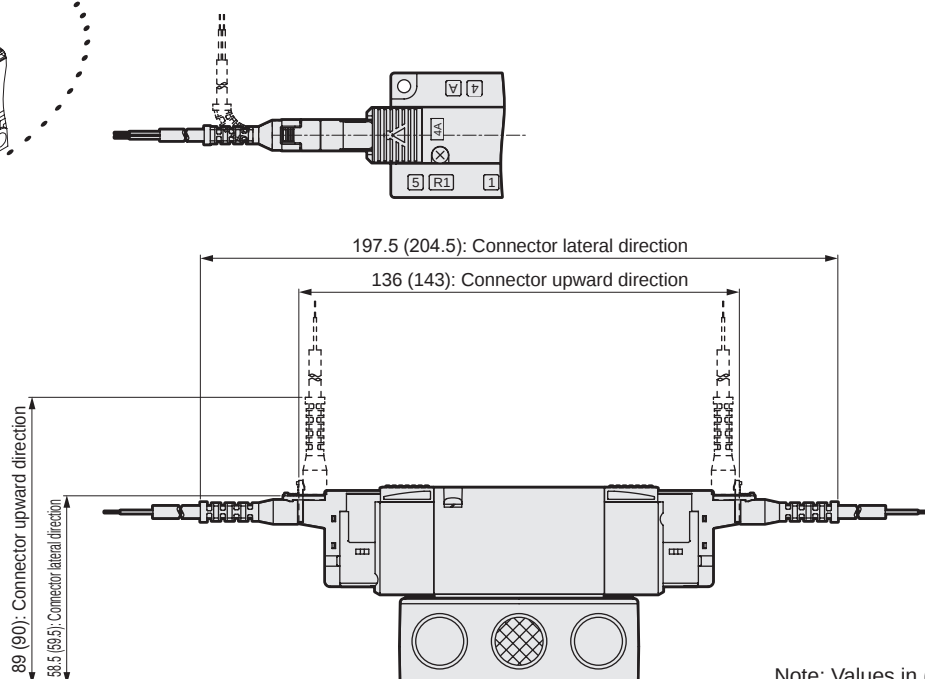
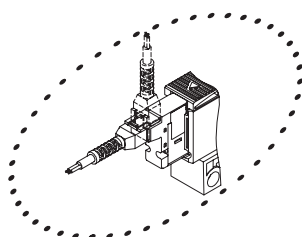
Dimensions

● E-connector (E)



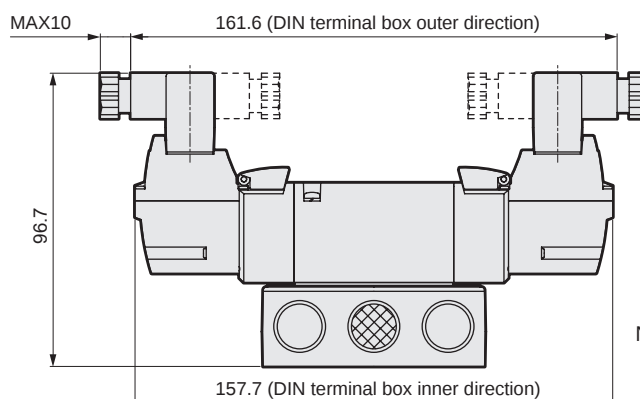
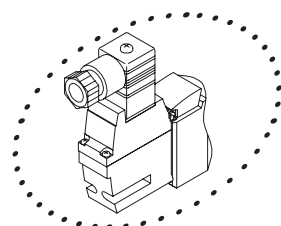
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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

4GE3 Series

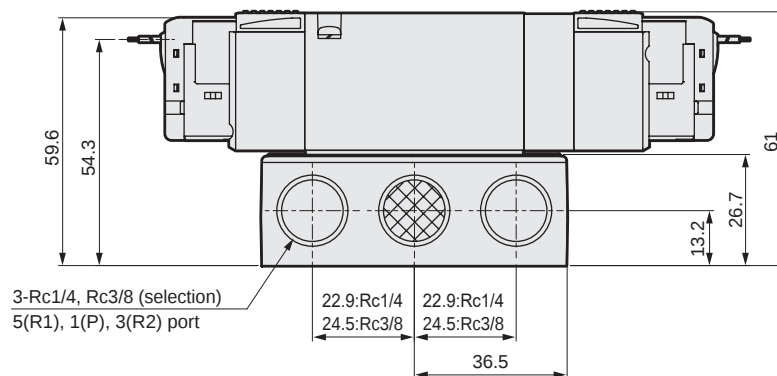
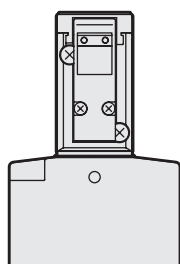
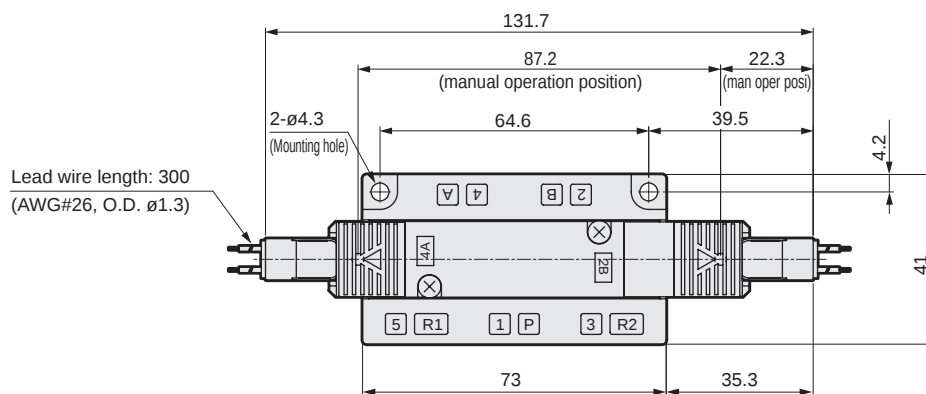
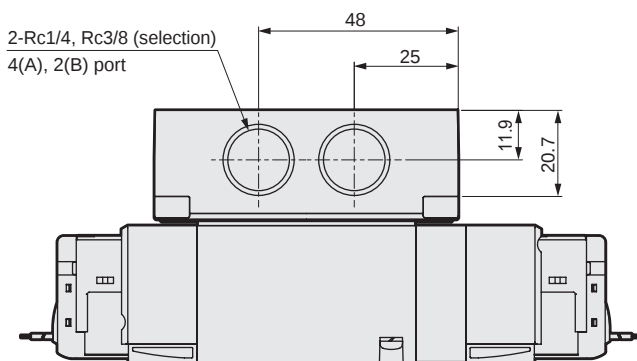
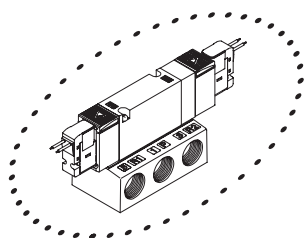
Discrete valve; base piping

Dimensions



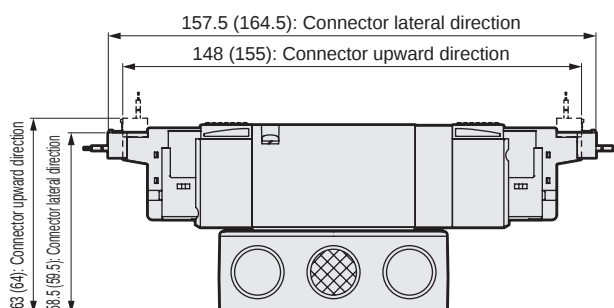
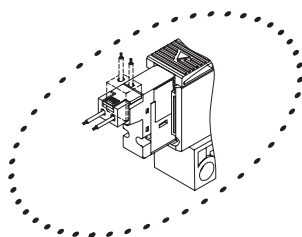
4GE3 0R

● 3-position grommet lead wire (blank)



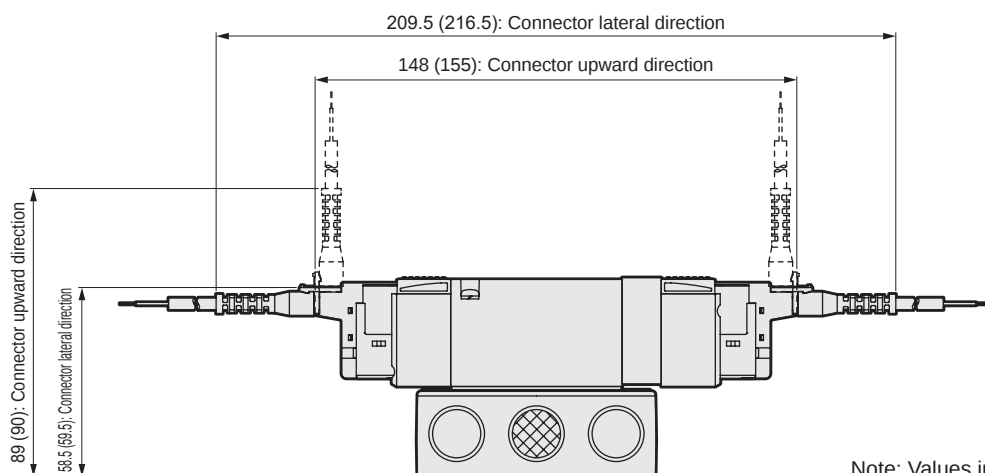
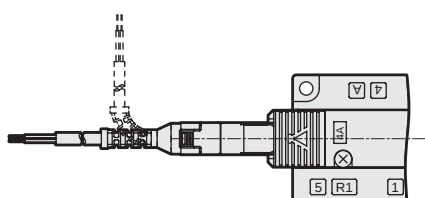
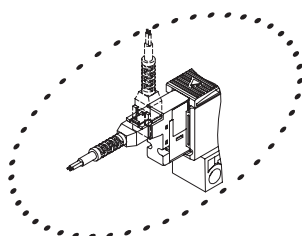
Dimensions

● E-connector (E)



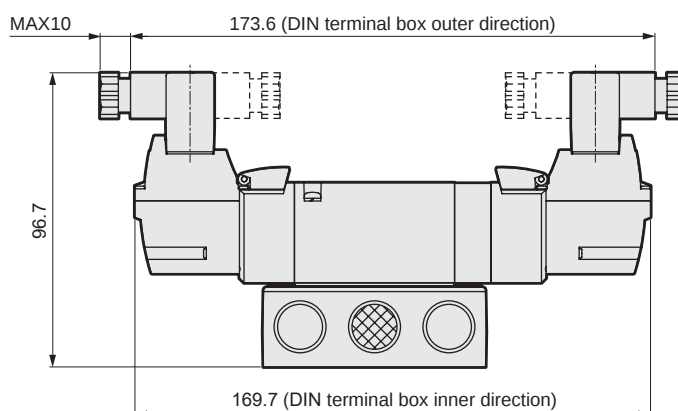
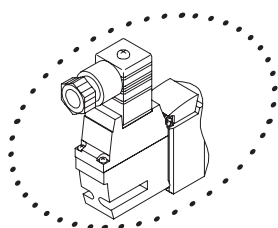
Note: Values in () are for AC voltage.

● EJ type connector (E**J)



Note: Values in () are for AC voltage.

● DIN terminal box (B)



Note: DIN terminal box assembly is shipped facing inward.

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