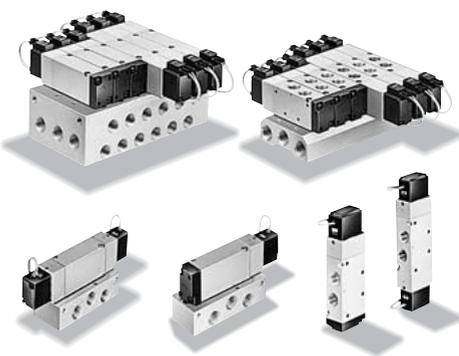


Small-size lubrication-free solenoid valves having a valve width of 27 mm and effective sectional area of 40 mm² (2-position type)

- Suitable for driving cylinders with bores from 80 to 125 mm
- As standard devices for protection from power surge, the valves for AC are provided with varistors, and those for DC are provided with flywheel diodes.
- The valves for AC power supply are applicable to 100 V AC to 120 V AC or 200 V AC to 240 V AC.
- The valves can be wired by various methods, e.g. Q socket, P socket, DIN socket and lead wire methods, and the Q socket, P socket and DIN socket type valves are provided with lamps for easy confirmation as standard devices.



Specifications for Valve Only

Model		5-port				
		2-position		3-position		
Item		Return	Detent	3-position closed center	3-position exhaust center	3-position pressure center
		Model number	Direct type Easy-manifold Sub-plate type Mono-manifold	SR562-RN3 SR562-RMM	SR562-DN3 SR562-DMM	SR562-CN3 SR562-CMM
JIS symbol						
Port size	Direct type	Direct screw piping type: Rc3/8				
	Sub-plate type	Direct screw piping type: Rc3/8				
Effective sectional area		40 mm ²		35 mm ²		
Working fluid		Air				
Lubrication		Unnecessary				
Working pressure range		0.17 to 0.7 MPa				
Proof test pressure		1.05 MPa				
Note 1) Response time In ON/OFF state	24 V DC, 12 V DC	25/30 ms or less	15 ms or less	25/25 ms or less		
	100 V AC, 200 V AC	25/25 ms or less	15 ms or less	25/25 ms or less		
Working temperature range		+5 to +50°C (ambient temperature and fluid temperature)				
Manual override		Pushing				
Installing direction		Free				
Vibration resistance/impact resistance	1373.0 m/s ² (1373.0 m/s ² in axial direction)	1373.0 m/s ² (245.2 m/s ² in axial direction)		1373.0 m/s ² (490.3 m/s ² in axial direction)		
		JIS K2213 Class 1 (additive-free turbine oil ISO VG32) or its equivalent				
Note 2) Weight g	Direct type Easy-manifold	310	420	510		
	Sub-plate type Mono-manifold	320 (680)	440 (800)	540 (900)		

Note 1) Values at an air pressure of 0.5 MPa. The values were obtained at the opposite positions in the case of 2-position valves or in the valve neutral state in the case of 3-position valves.

Note 2) The parenthesized weight includes the weight of the sub-plate.

Electrical Specifications

Item	Rating	12 V DC	24 V DC	100 V AC		200 V AC			
Type		Flywheel diode against surge			Shading type				
Working voltage range	V	10.8 to 13.2 (12±10%)		21.6 to 26.4 (24±10%)		90 to 132 (100±30/10%)		180 to 264 (200±30/10%)	
Current value (when rated voltage is applied)	Frequency Hz	—		—		50	60	50	60
	Starting mA(r.m.s)	—		—		55	49	28	25
	Exciting mA(r.m.s)	140 (1.7W)		75 (1.8W)		24	19	12	10
Allowable circuit leakage current value	mA	8		4		4		2	
Insulation resistance	MΩ	100 or more							
Wiring method and lead wire length		Lead wire type: 300 mm, P/Q socket type: 300 mm (standard)							
Note) Lead wire color		Brown : + Black : -		Red : + Black : -		Yellow		White	
Color of LED indicator		Red			Yellow		Green		
Measures against surge (standard device)		Flywheel diode			Varistor				

Electric circuit	Lead wire type	For 12 V DC and 24 V DC	For 100 V AC and 200 V AC
Q socket type P socket type DIN socket type	LED indicator (LED)	For 12 V DC and 24 V DC	For 100 V AC and 200 V AC

Note) The 1 and 3m lead wires (code: 1L and 3L, optional) of the P socket and Q socket type valves are in red and black.

Manifold Specifications

Name		Mono-manifold	Easy-manifold
Type		Direct screw piping type	Direct screw piping type
Model number		MF562M	MF562E
Max. number of stations		10 stations	10 stations
Standard number of stations		2 · 4 · 6 · 8 · 10	2 · 4 · 6 · 8 · 10
Exhaust type		Common exhaust type	
Port size	P · R1 · R2	Rc1/2	
	A · B	Rc3/8	Rc3/8 (valve side)
Piping specification		Side piping	Front piping

Valve Weight

Item	Model	5-port				
		2-position		3-position		
		Return	Detent	3-position closed center	3-position exhaust center	3-position pressure center
Model number	Direct type Easy-manifold	SR562-RN3	SR562-DN3	SR562-CN3	SR562-EN3	SR562-PN3
	Sub-plate type Mono-manifold	SR562-RMM	SR562-DMM	SR562-CMM	SR562-EMM	SR562-PMM
Note)	Direct type Easy-manifold	310	420	510		
Weight g	Sub-plate type Mono-manifold	320 (680)	440 (800)	540 (900)		

Note) The parenthesized weight includes the weight of the sub-plate.

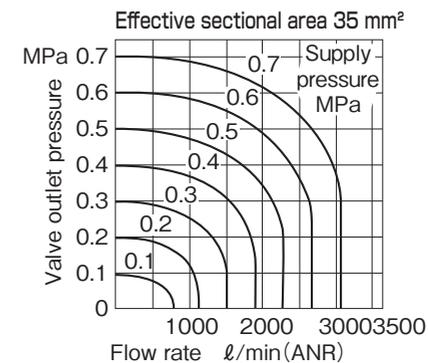
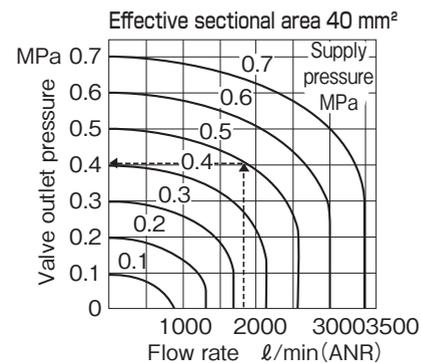
Manifold Weight

Unit: g

Name	No. of stations	2	4	6	8	10
		Mono-manifold	MF562M-**A	1685	2615	3545
Easy-manifold	MF562E-**S	430	700	970	1240	1510

Note) Add the valve weight to the manifold weight.

Flow Characteristic Curves



How to read the chart

When the flow rate is 1900 l/min (ANR) at a supply pressure of 0.5 MPa, the valve outlet pressure is 0.4 MPa.

How to order

- Model number of valve only
- Direct type (port size Rc^{3/8})
- Easy-manifold



Sub-plate type (port size Rc^{3/8})
Mono-manifold



(Note) The valve will be delivered without the sub-plate mounted.

SR562- R N3 1 RK - 1L - F

Series

Mounting plate
No symbol: None
F: With mounting plate
(Note) Only return type

SR562- R MM 1 RK - 1L - SP

Series

Sub-plate
No symbol: None
SP: With sub-plate

Lead wire length
No symbol: Standard (300 mm)
1L: 1000 mm (order made)
3L: 3000 mm (order made)
(Note) Only Q and P socket types.
All lead wires are in red and black.

Switching method

Symbol	Switching method
R	Return
D	Detent
C	Closed center
E	Exhaust center
P	Pressure center

Voltage (standard)

Symbol	Voltage
1	100 V AC $\pm 32\%$ -10% (Lead wire color: yellow)
2	200 V AC $\pm 32\%$ -10% (Lead wire color: white)
8	24 V DC $\pm 10\%$ (Lead wire color: ⊕ red, ⊖ black)
Voltage (option)	
6	12 V DC $\pm 10\%$ (Lead wire color: ⊕ brown, ⊖ black)
9	Other voltages

Wiring method (standard)

Symbol	Wiring method
RK	Lead wire type With protective circuit
QW	Q socket type With indicating lamp/protective circuit
DW	DIN socket type With indicating lamp/protective circuit
Wiring method (option)	
PW	P socket type With indicating lamp/protective circuit

How to order manifold base

- Model number of Mono-manifold

MF562M- 04 A

Series

No. of manifold stations

Side piping (direct screw piping type)

Symbol	No. of stations	Symbol	No. of stations	Symbol	No. of stations
02	2 stations	06	6 stations	10	10 stations
04	4 stations	08	8 stations		

How to order manifold valve

- Mono-manifold

SR562- R MM 1 QW - 1L

Series

For Mono-manifold

(Note) For details, see "How to order valve only".

How to order seal plate SZZ

MF562-MS (For Mono-manifold)

How to order gasket and bolt set SZZ

MF562-MGBS (For Mono-manifold)

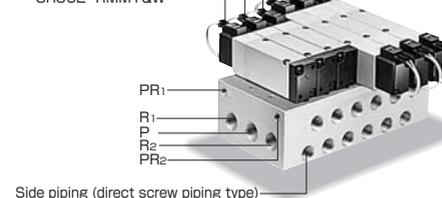
MF562-EGBS (For Easy-manifold)

How to order manifold

- Mono-manifold

SR562-CMM1QW

SR562-RMM1QW



Side piping (direct screw piping type)

- A 6-station Mono-manifold type is shown as follows.

Manifold body	Qty.
MF562M-06A	1
Valve block	
SR562-RMM1QW	3
SR562-CMM1QW	3

- Model number of Easy-manifold

MF562E- 04 S

Series

No. of manifold stations

Symbol	No. of stations	Symbol	No. of stations	Symbol	No. of stations
02	2 stations	06	6 stations	10	10 stations
04	4 stations	08	8 stations		

- Easy-manifold

SR562- R N3 1 QW - 1L

Series

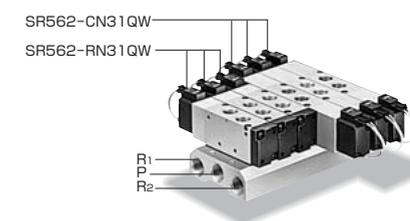
For Easy-manifold

(Note) For details, see "How to order valve only".

MF562-ES (For Easy-manifold)

(Note) Easy-manifold valves will not come with manifold mounting gaskets and bolts. When adding a valve to a manifold, place an order for a gasket and bolt set at the same time.

- Easy-manifold



- A 6-station Easy-manifold type is shown as follows.

Manifold body	Qty.
MF562E-06S	1
Valve block	
SR562-RN21QW	3
SR562-CN21QW	3

Related products/Silencers

More compact installation is enabled.



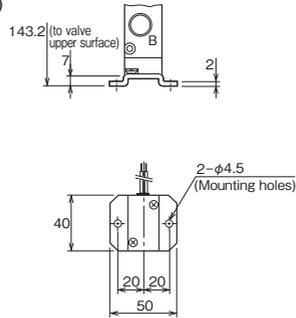
Port size	Model number
M5	SA2-M5
G1/8	SA2-06
G3/8	SA2-10

CAD/DATA
SR562/TSR562A (B) is available.

Option

■ Mounting plate (only return type)

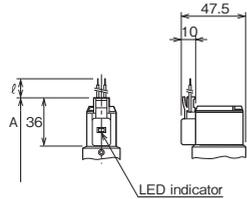
SZZ SR562 - F



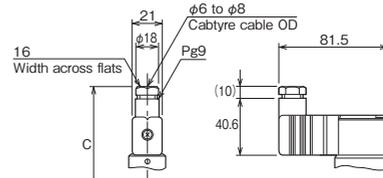
(Note) The valve will be delivered without the mounting plate mounted.

■ Wiring method

● Q socket type



● DIN socket type



Dimensional Table

Model number	Symbol	A	C	ℓ (lead wire length)	Remarks
SR562-RN3		143.7	(158.4)	Standard type: 300 mm Order made: 1L: 1000 mm 3L: 3000 mm	Overall length to valve or sub-base end face
SR562-RMM**~SP		148	(162.7)		
SR562-DN3, SR562-DMM**~SP		188	(217.4)	Overall length to solenoid end face on opposite side	
SR562-(C, E, P) RN3, SR562-(C, E, P) MM**~SP		224.8	(254.2)		

CAD/DATA
SR562/TSR562K is available.

Manifold

■ Mono-manifold

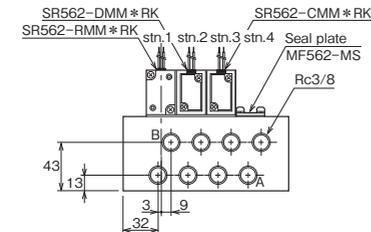
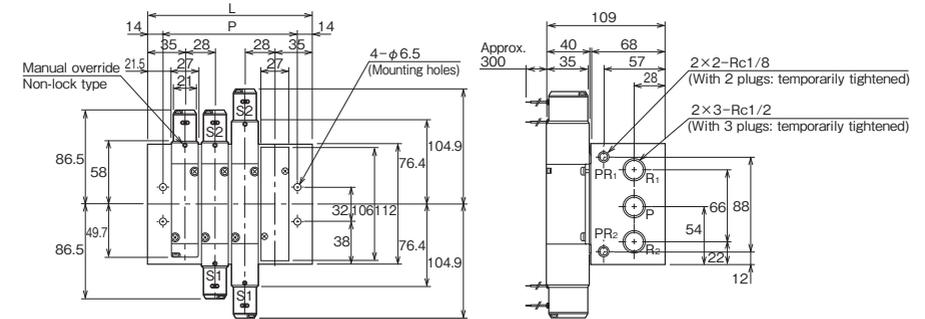


Table of Dimensions of Manifold

Symbol	No. of stations				
	2	4	6	8	10
P	70	126	182	238	294
L	98	154	210	266	322

■ Easy-manifold

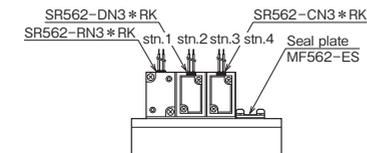
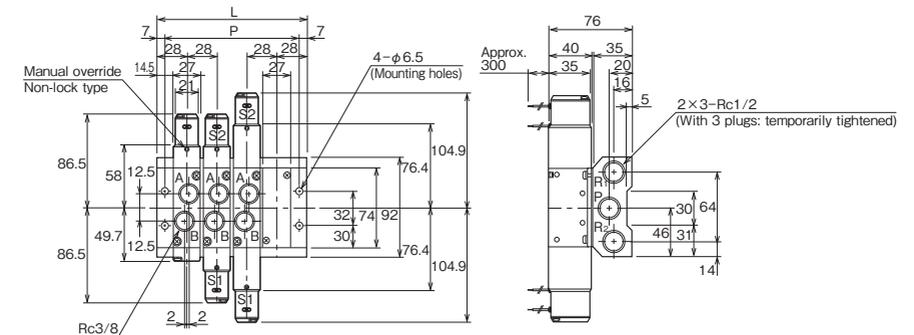


Table of Dimensions of Manifold

Symbol	No. of stations				
	2	4	6	8	10
P	70	126	182	238	294
L	84	140	198	252	308