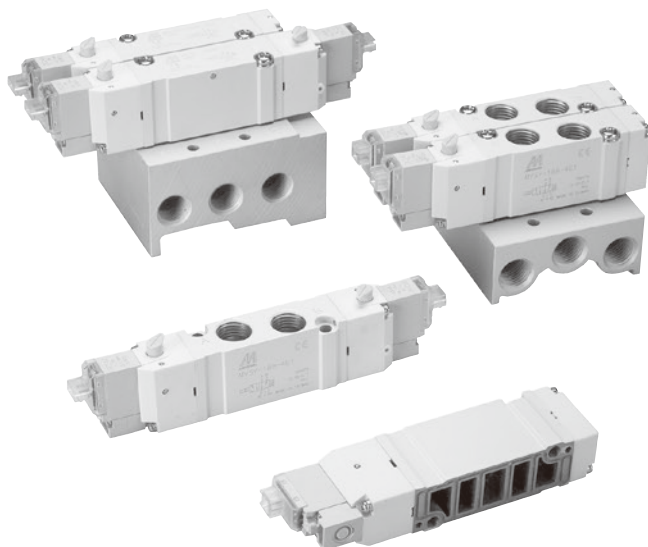


MVSY-188 series

SOLENOID VALVE



mindman



Caution

- Don't continuous energizing for about 2 hours or more.
- The total energizing time of a day don't exceeds the total non-energizing time even if it is intermittent energizing.

Specification

Model	4E1	4E2	4E2 C.P.R
Bore No.	8A		
Port size	Rc1/4		
No. of port	5		
No. of position	2	3	
Medium	Air		
Operating perssure range	0.15~0.7 MPa		0.2~0.7 MPa
Proof pressure	1 MPa		
Effective orifice	Body ported	15 mm ²	16.3/27/12.4 mm ²
	Manifold	13 mm ²	13.5/18.4/11 mm ²
Reponse time	23 ms		50 ms
Ambient temperature	+5~+50°C		
Max. operating frequency	5 Hz		
Voltage	AC110V, 220V (50/60)Hz, DC24/12/6V		
Power consumption	AC=1.6/2.5VA, DC6=1.2W, DC12/24=0.55W		
Available voltage range	±10%		
Insulation class	B class		
Weight	77 g	102 g	106 g

Order example of valve

MVSY — 188M — 4E2C — AC110 — LJ1 — G

MODEL

BODY WIDTH

4: 4 way (5 port)

VOLTAGE

AC220V(50/60)Hz
AC110V(50/60)Hz
DC24V
DC12V
DC6V

ELECTRIC CONNECTION

LJ: Plug on side (*1)

LR: Plug on side (*2)

SR: Plug on Top (*2)

PORT THREAD

Blank: Rc thread
G: G thread
NPT: NPT thread
(Only for body ported type)

Blank: Body ported type
M: Manifold type

E1: Single Solenoid
E2: Double Solenoid

C: Closed center
P: Pressure center
R: Exhaust center
(Only for 4E2 type)

WIRE LENGTH

Blank: 500mm
1: 1000mm
2: 2000mm
3: 3000mm

*1. Plug with flying leads JPC type.

*2. Plug with flying leads RMH type. (Original)

Order example of manifold

MVSY — 188M — 5B3 — G

MODEL

Blank: Body ported type
M: Manifold type

MANIFOLD NUMBER
1, 2, 3...

MANIFOLD
5B: 5 port (for body ported type)
5M: 5 port (for manifold type)

PORT THREAD
Blank: Rc thread
G: G thread
NPT: NPT thread

Order example of wire

* Use the same wire with MVDY.

MVDY — 100 — WA2J2

MODEL

VOLTAGE

A2: AC220V(50/60)Hz
A1: AC110V(50/60)Hz
D: DC24V/12V/6V

WIRE

J: JPC type

R: RMH type

WIRE LENGTH

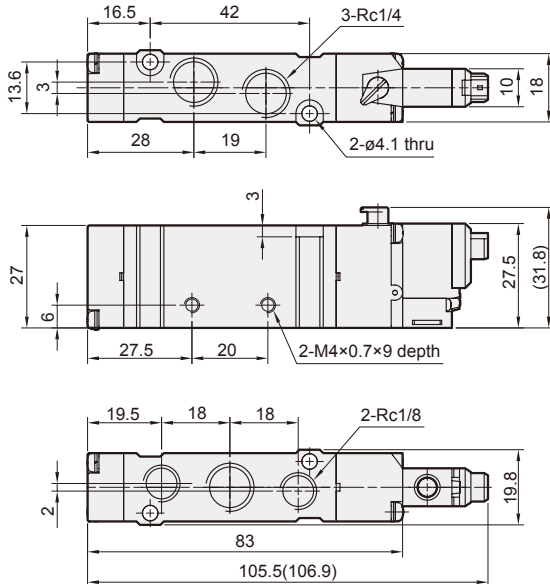
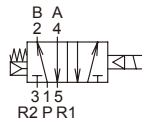
Blank: 500mm
1: 1000mm
2: 2000mm
3: 3000mm

MVSY-188 Dimensions

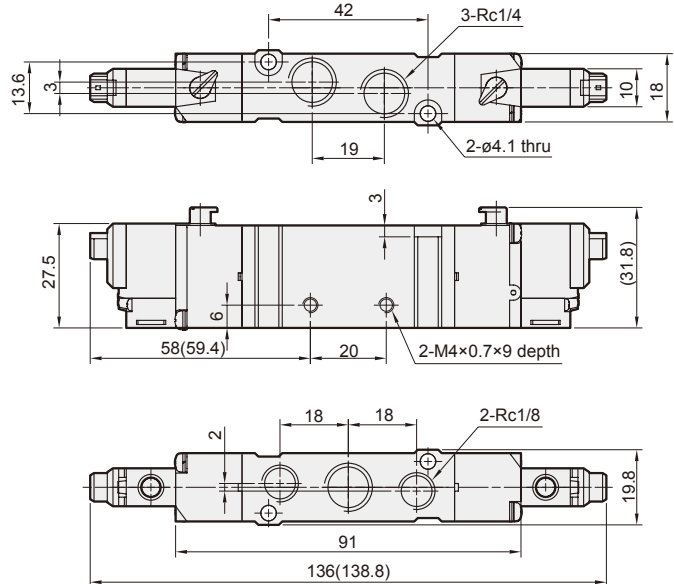
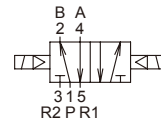
SOLENOID VALVE



MVSY-188-4E1



MVSY-188-4E2

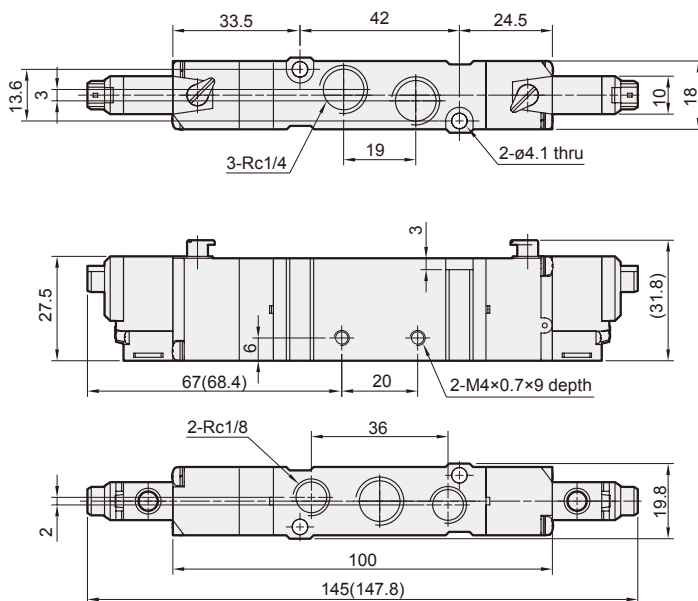


MVSY-188-4E2C.P.R

MVSY-188-4E2C

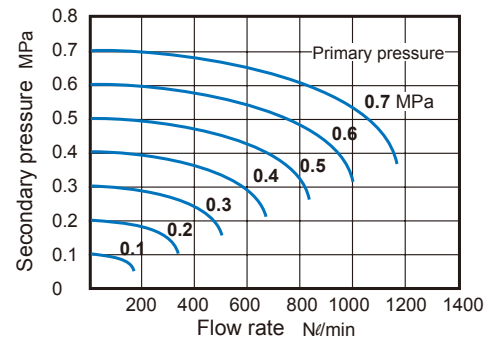
MVSY-188-4E2P

MVSY-188-4E2R

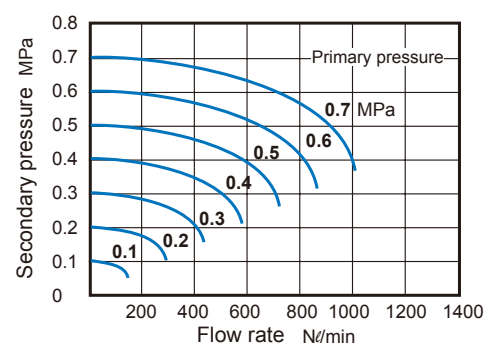


Flow features

MVSY-188-4E1/4E2



MVSY-188M-4E1/4E2



() : Dimension for LJ plug type.

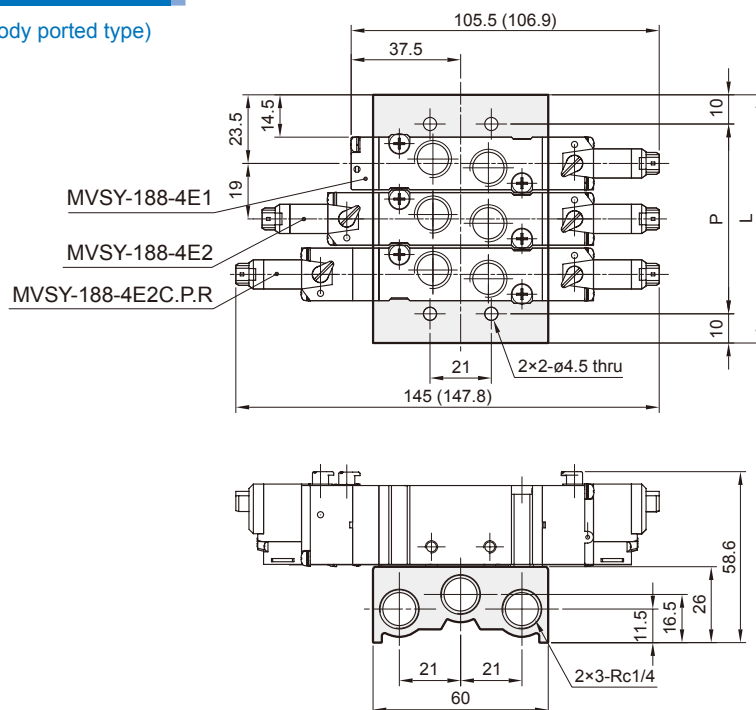
MVSY-188 Manifold

SOLENOID VALVE



MVSY-188-5B*

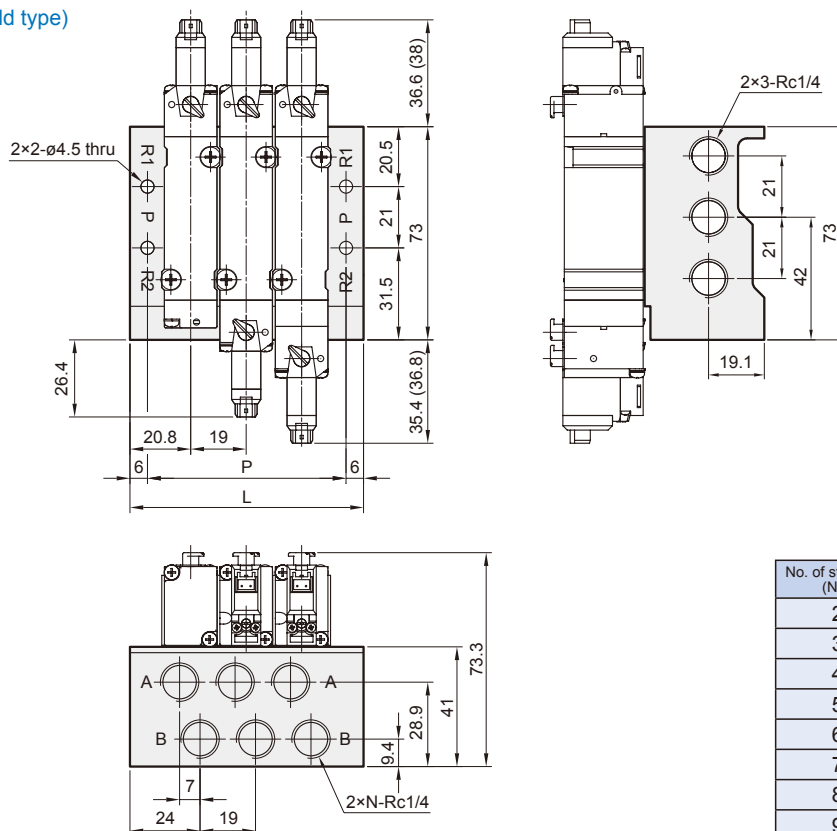
5 port (for body ported type)



No. of stations	P	L
2	46	66
3	65	85
4	84	104
5	103	123
6	122	142
7	141	161
8	160	180
9	179	199
10	198	218

MVSY-188M-5M*

5 port (for manifold type)



No. of stations (N)	P	L
2	49	61
3	68	80
4	87	99
5	106	118
6	125	137
7	144	156
8	163	175
9	182	194
10	201	213

(): Dimension for L.J. plug type.

MVSY-188 Mounting bracket & Spacer assembly

SOLENOID VALVE



mindman

Order example of bracket

MVSY — 188 — 1A

MODEL

MOUNTING BRACKET

1A
2A

Order example of spacer assembly

MVSY — 188M — 5BP

MODEL

5B: 5 Port (for body ported type)
5M: 5 Port (for manifold type)

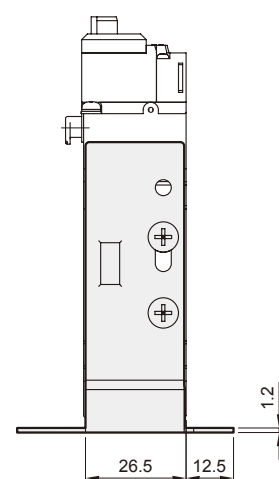
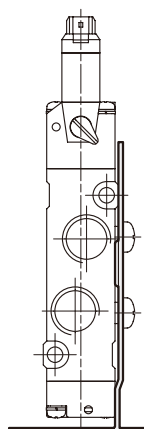
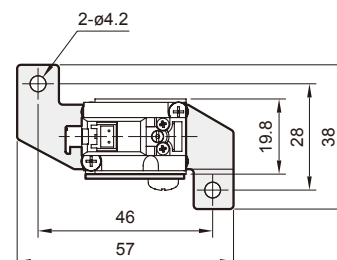
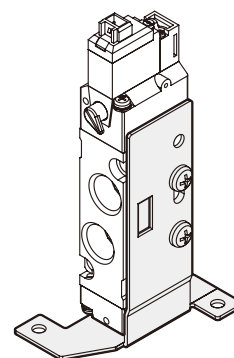
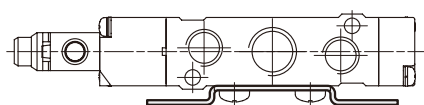
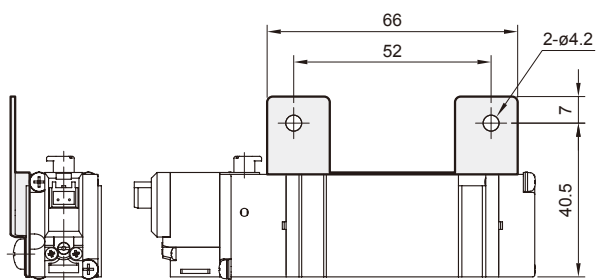
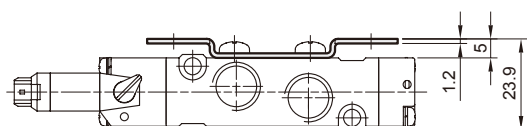
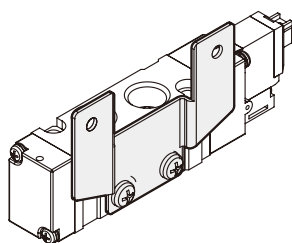
SPACER
ASSEMBLY

Blank: Body ported type
M: Manifold type

P: Individual SUP spacer assembly
R: Individual EXH spacer assembly
PR: Individual SUP spacer assembly+
Individual EXH spacer assembly

MVSY-188-1A

MVSY-188-2A



MVSY-188 Spacer assembly

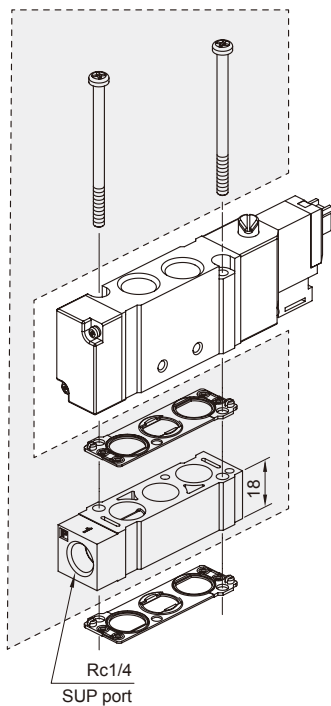
SOLENOID VALVE



for body ported type

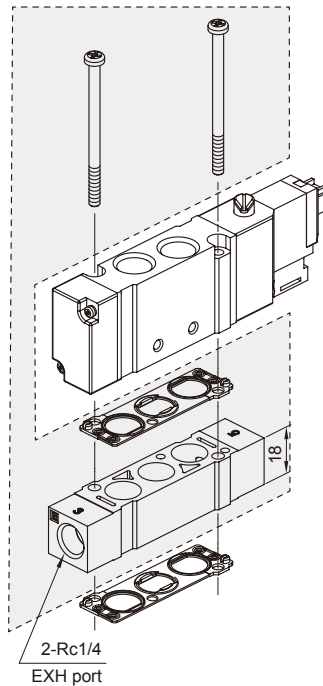
MVSY-188-5BP

Individual SUP spacer assembly



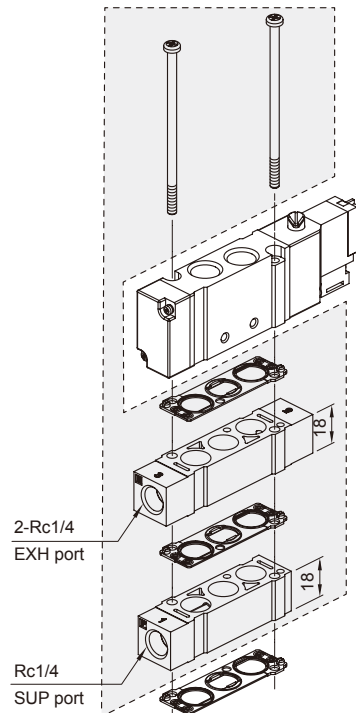
MVSY-188-5BR

Individual EXH spacer assembly



MVSY-188-5BPR

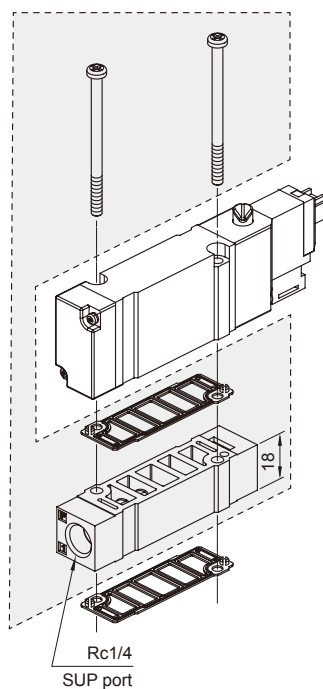
Individual SUP spacer assembly+
Individual EXH spacer assembly



for manifold type

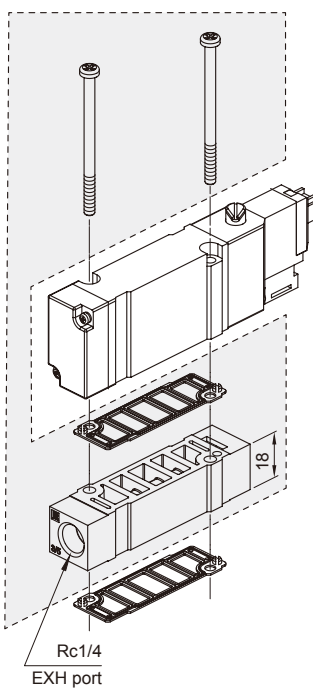
MVSY-188M-5MP

Individual SUP spacer assembly



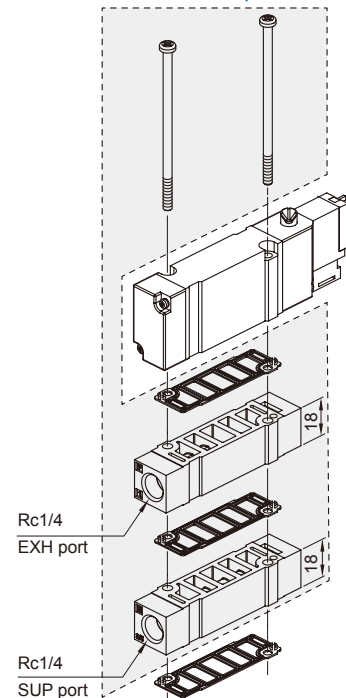
MVSY-188M-5MR

Individual EXH spacer assembly



MVSY-188M-5MPR

Individual SUP spacer assembly+
Individual EXH spacer assembly

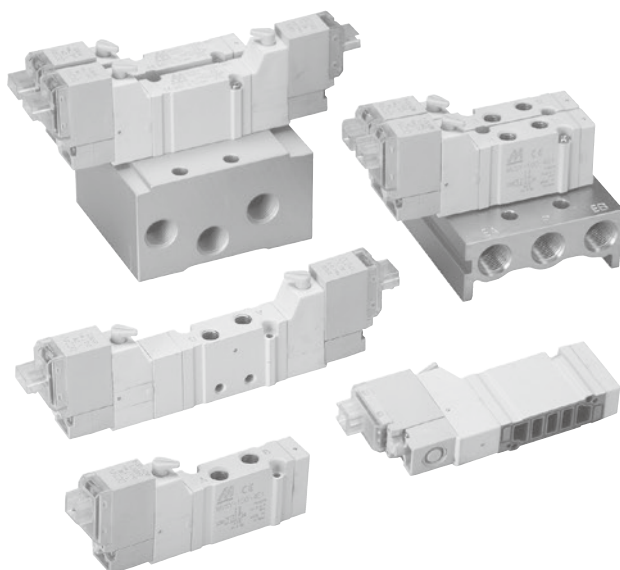


MVSY-100 series

SOLENOID VALVE



Mindman



Caution

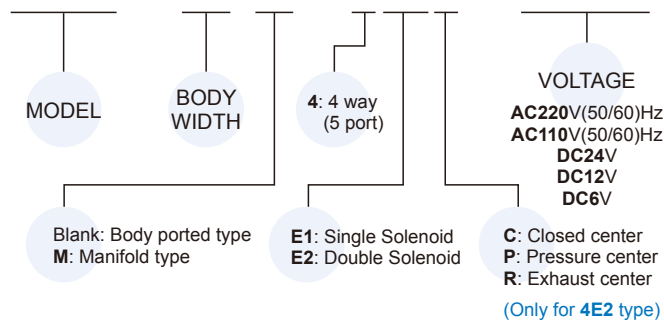
- Don't continuous energizing for about 2 hours or more.
- The total energizing time of a day don't exceeds the total non-energizing time even if it is intermittent energizing.

Specification

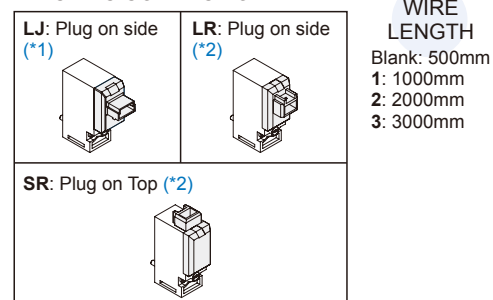
Model	4E1	4E2	4E2 C.P.R
Bore No.	M5		
Port size	M5×0.8		
No. of port	5		
No. of position	2	3	
Medium	Air		
Operating perssure range	0.2~0.7 MPa		
Proof pressure	1 MPa		
Effective orifice	Body ported	4.5 mm ²	
	Manifold	4.5 mm ²	4.5 / 5 / 4.5 mm ²
Reponse time	12 ms	15 ms	
Ambient temperature	+5~+50℃		
Max. operating frequency	5 Hz		
Voltage	AC110V, 220V (50/60)Hz, DC24/12/6V		
Power consumption	AC=1.6/2.5VA, DC6=1.2W, DC12/24=0.55W		
Available voltage range	±10%		
Insulation class	B class		
Weight	30 g	44 g	59 g

Order example of valve

MVSY — 100M — 4E2C — AC110 — LJ1



ELECTRIC CONNECTION

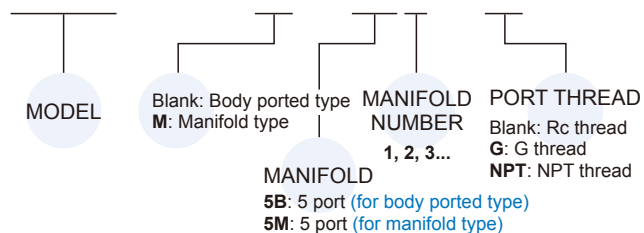


*1. Plug with flying leads JPC type.

*2. Plug with flying leads RMH type. (Original)

Order example of manifold

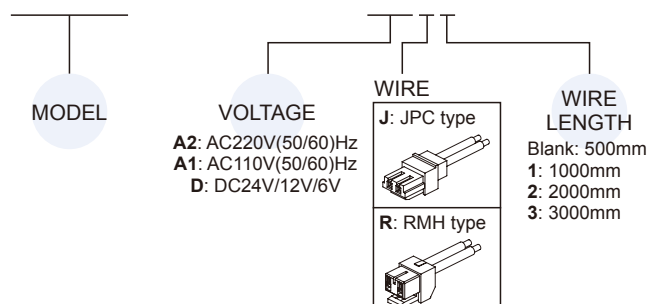
MVSY — 100M — 5B3 — G



Order example of wire

* Use the same wire with MVDY.

MVDY — 100 — WA2J2

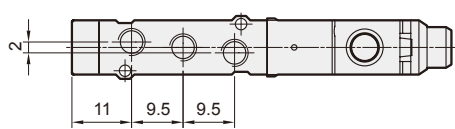
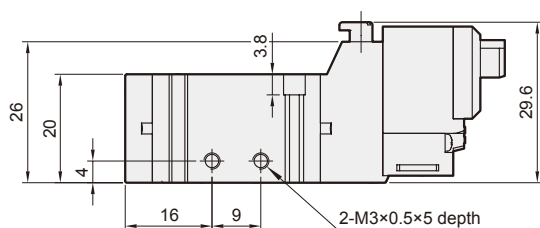
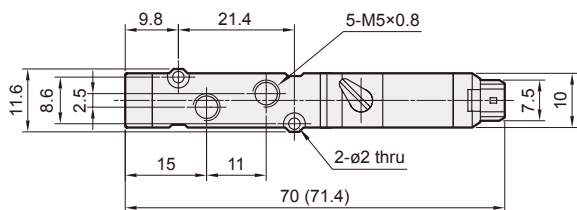
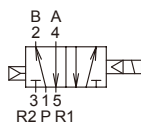


MVSY-100 Dimensions

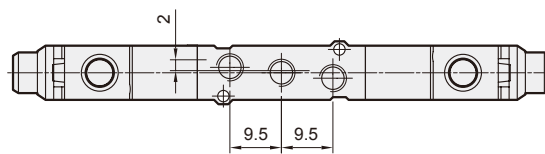
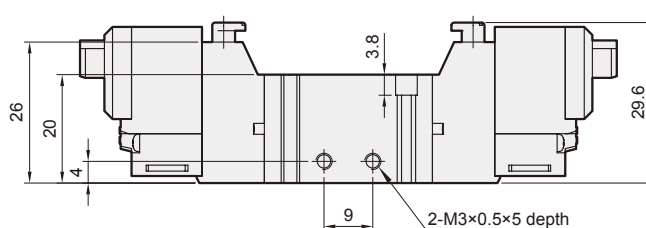
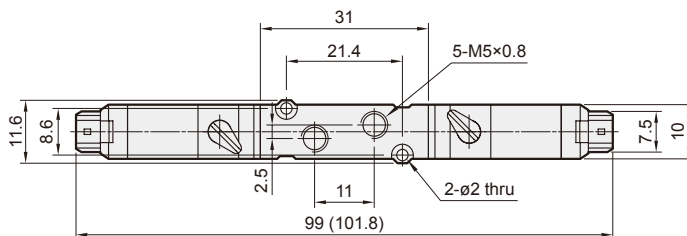
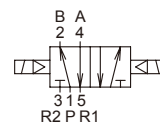
SOLENOID VALVE



MVSY-100-4E1



MVSY-100-4E2

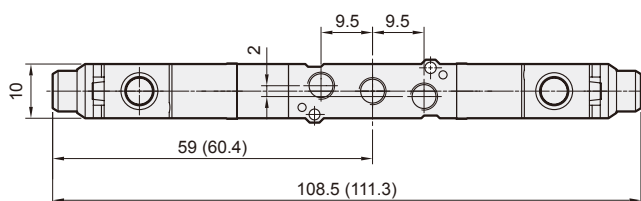
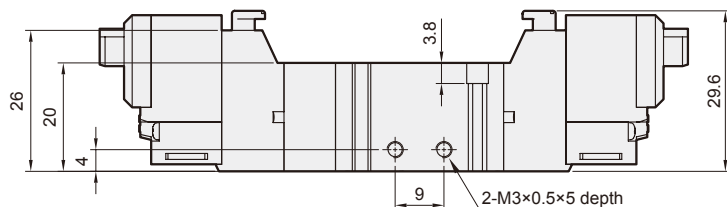
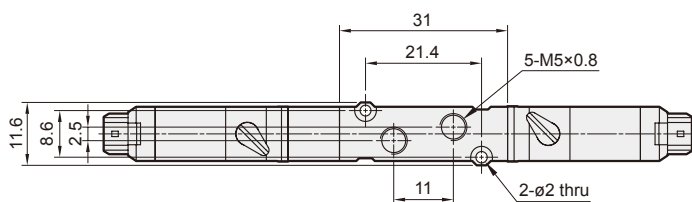
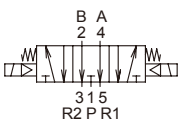
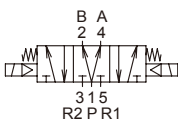
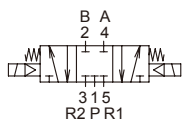


MVSY-100-4E2C.PR

MVSY-100-4E2C

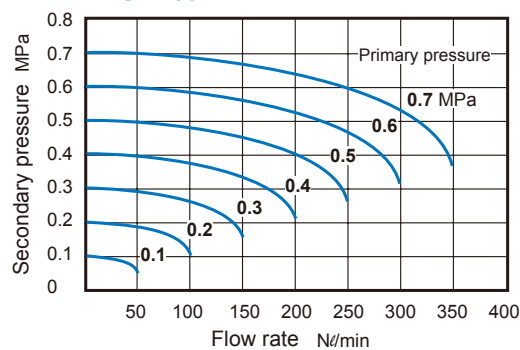
MVSY-100-4E2P

MVSY-100-4E2R



Flow features

MVSY-100-4E1/4E2



(): Dimension for LJ plug type.

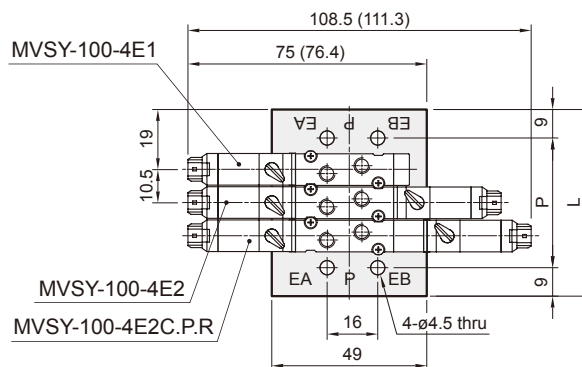
MVSY-100 Manifold

SOLENOID VALVE



MVSY-100-5B*

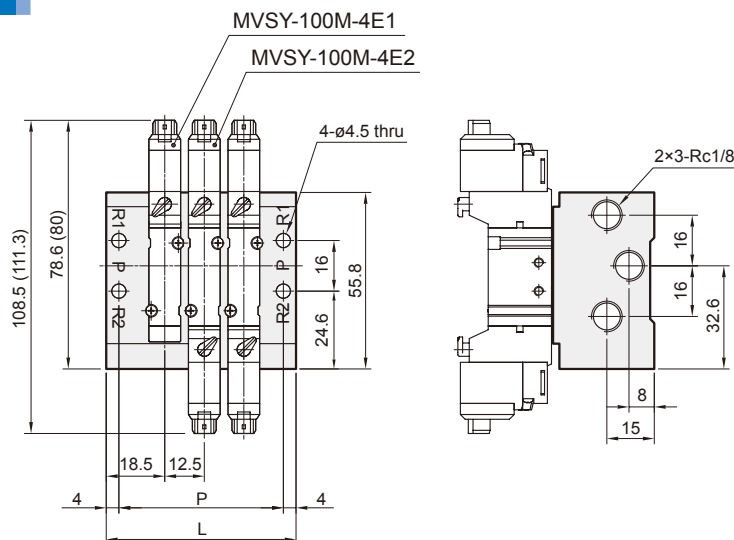
5 port (for body ported type)



No. of stations	P	L
2	30.5	48.5
3	41	59
4	51.5	69.5
5	62	80
6	72.5	90.5
7	83	101
8	93.5	111.5
9	104	122
10	114.5	132.5

MVSY-100M-5M*

5 port (for manifold type)



No. of stations (N)	P	L
2	39.5	47.5
3	52	60
4	64.5	72.5
5	77	85
6	89.5	97.5
7	102	110
8	114.5	122.5
9	127	135
10	139.5	147.5

(): Dimension for LJ plug type.

MVSY-100 Mounting bracket

SOLENOID VALVE



Order example of bracket

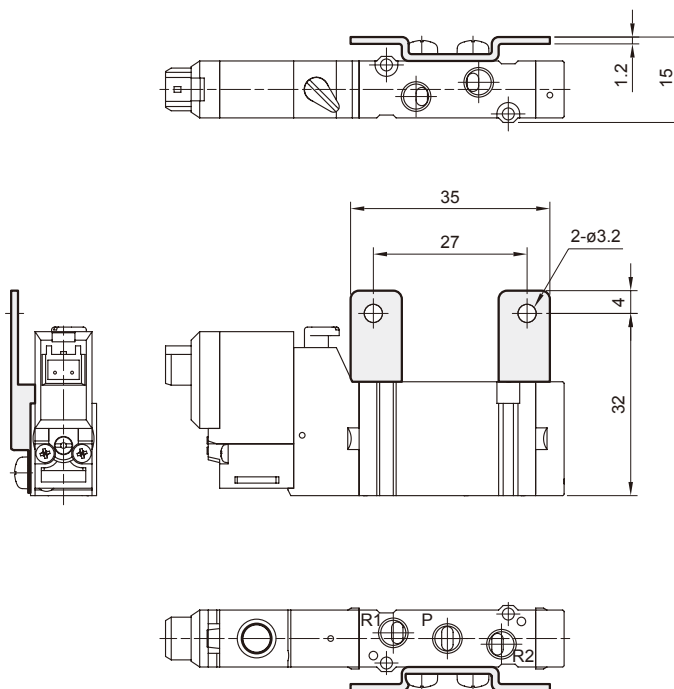
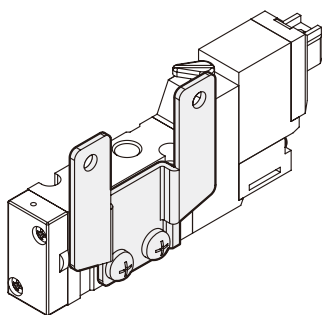
MVSY — 100 — 1A

MODEL

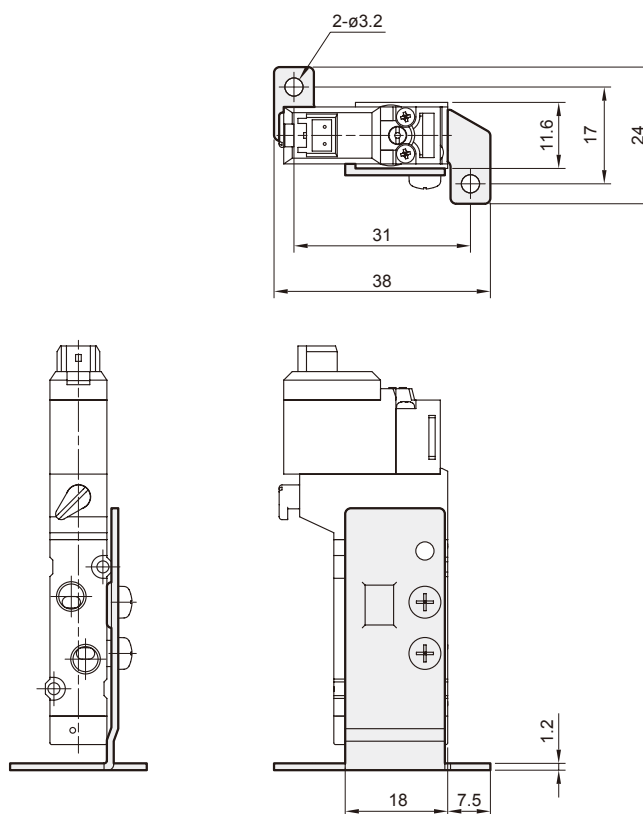
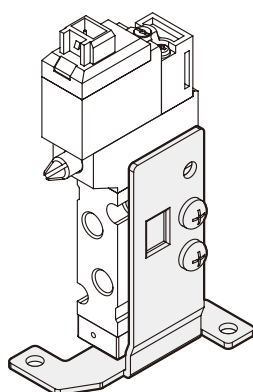
MOUNTING BRACKET

1A
2A

MVSY-100-1A



MVSY-100-2A

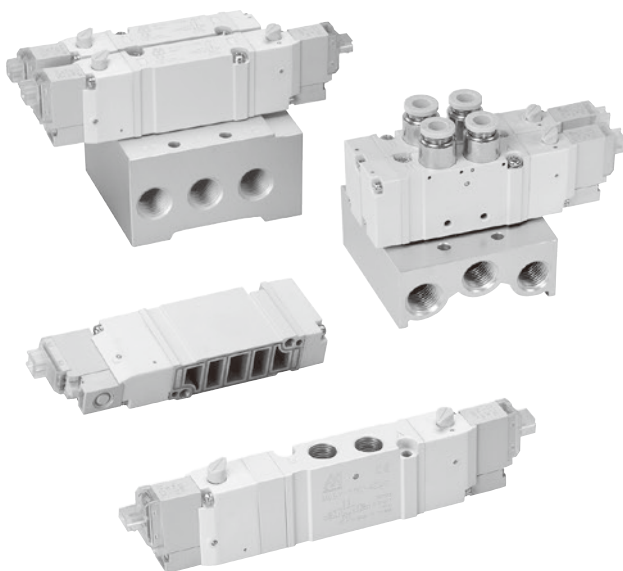


MVSY-156 series

SOLENOID VALVE



Mindman



Caution

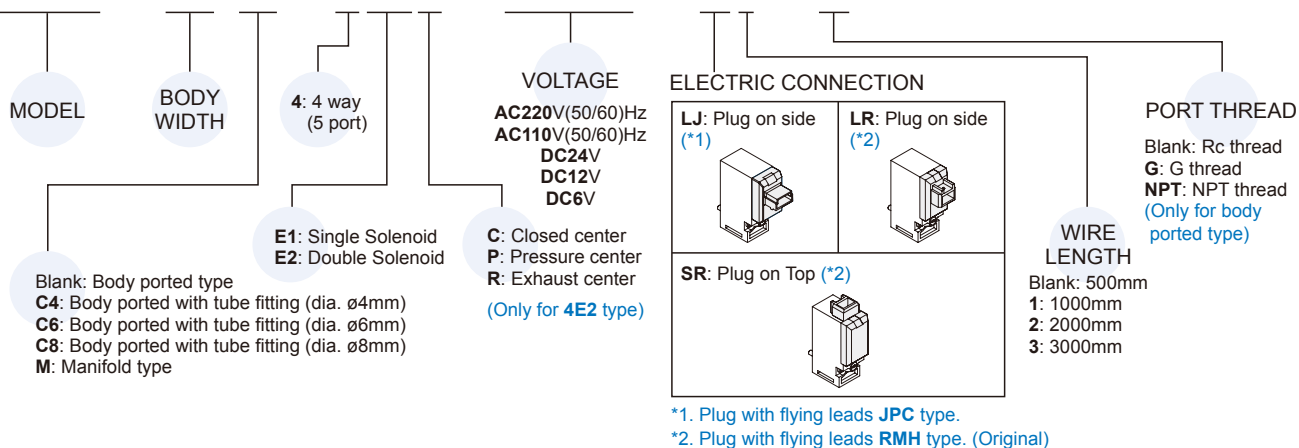
- Don't continuous energizing for about 2 hours or more.
- The total energizing time of a day don't exceeds the total non-energizing time even if it is intermittent energizing.

Specification

Model	4E1	4E2	4E2 C.P.R
Bore No.	6A		
Port size	Rc1/8		
No. of port	5		
No. of position	2	3	
Medium	Air		
Operating perssure range	0.15~0.7 MPa	0.2~0.7 MPa	
Proof pressure	1 MPa		
Effective orifice	Body ported	11 mm ²	9.5 / 14.6 / 9.5 mm ²
	Manifold	10 mm ²	7.5 / 13 / 8 mm ²
Reponse time	19 ms	20 ms	
Ambient temperature	+5~+50°C		
Max. operating frequency	5 Hz		
Voltage	AC110V, 220V (50/60)Hz, DC24/12/6V		
Power consumption	AC=1.6/2.5VA, DC6=1.2W, DC12/24=0.55W		
Available voltage range	±10%		
Insulation class	B class		
Weight	63 g	82 g	102 g

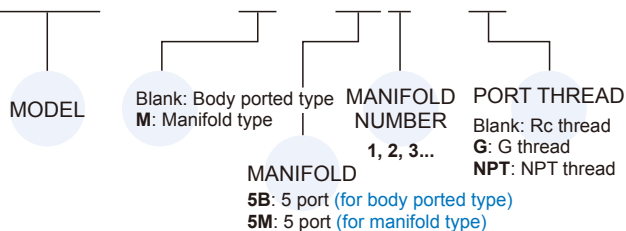
Order example of valve

MVSY — 156M — 4E2C — AC110 — LJ1 — G



Order example of manifold

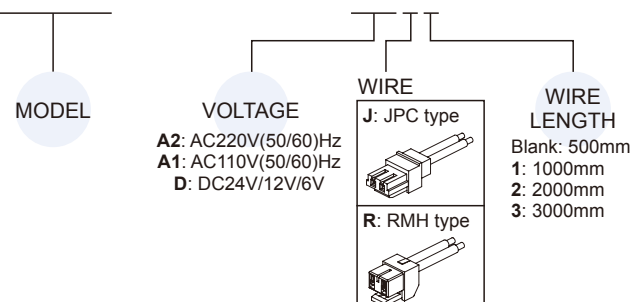
MVSY — 156M — 5B3 — G



Order example of wire

* Use the same wire with MVDY.

MVDY — 100 — WA2J2

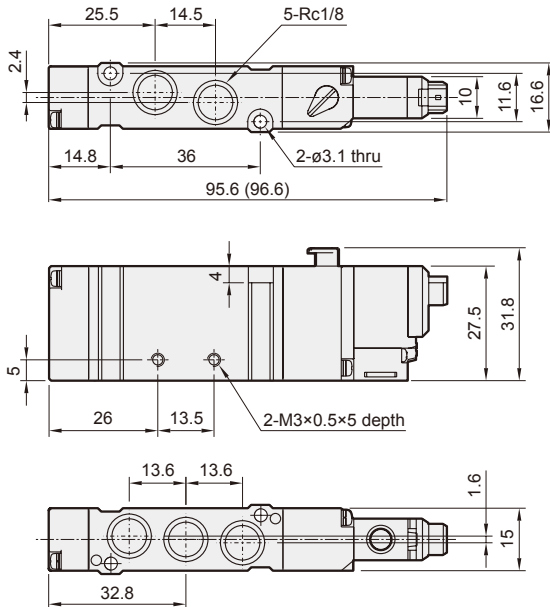
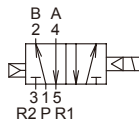


MVSY-156 Dimensions

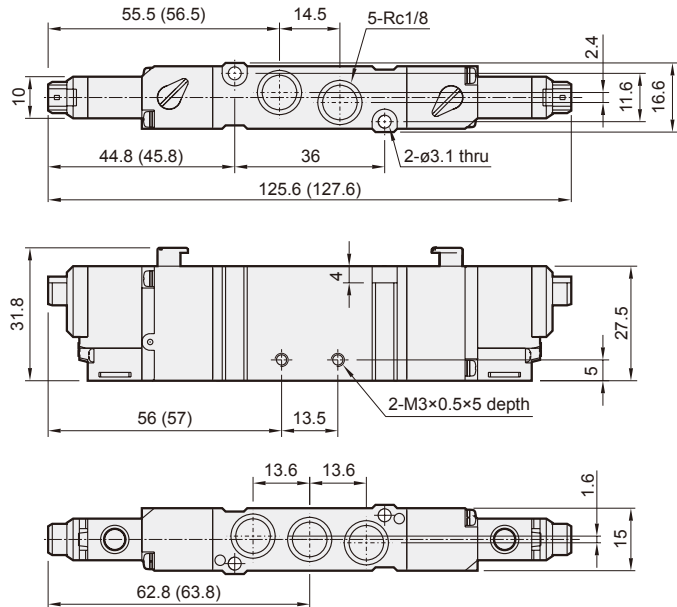
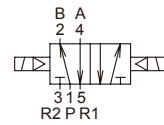
SOLENOID VALVE



MVSY-156-4E1



MVSY-156-4E2

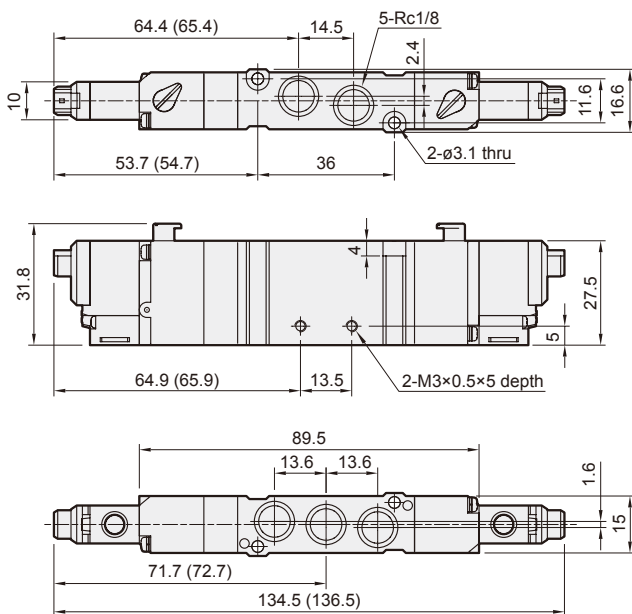
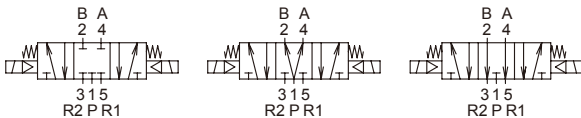


MVSY-156-4E2C.P.R

MVSY-156-4E2C

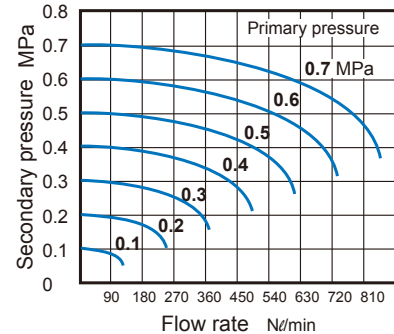
MVSY-156-4E2P

MVSY-156-4E2R

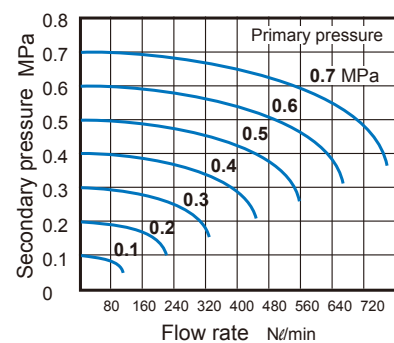


Flow features

MVSY-156-4E1/4E2



MVSY-156M-4E1/4E2



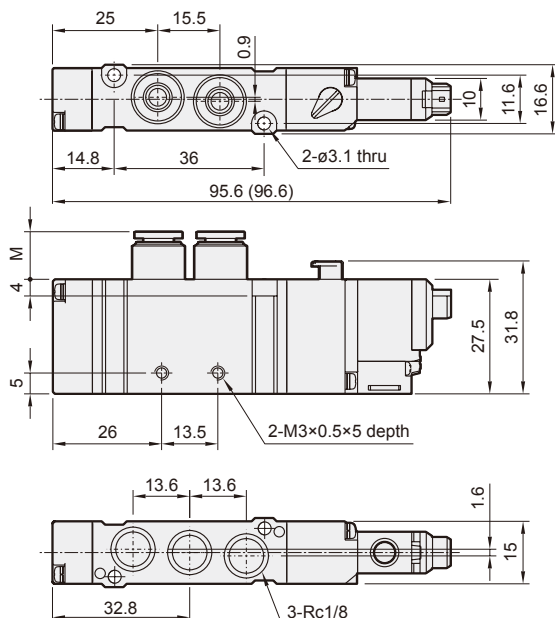
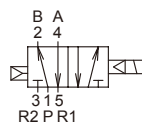
(): Dimension for LJ plug type.

MVSY-156 Dimensions

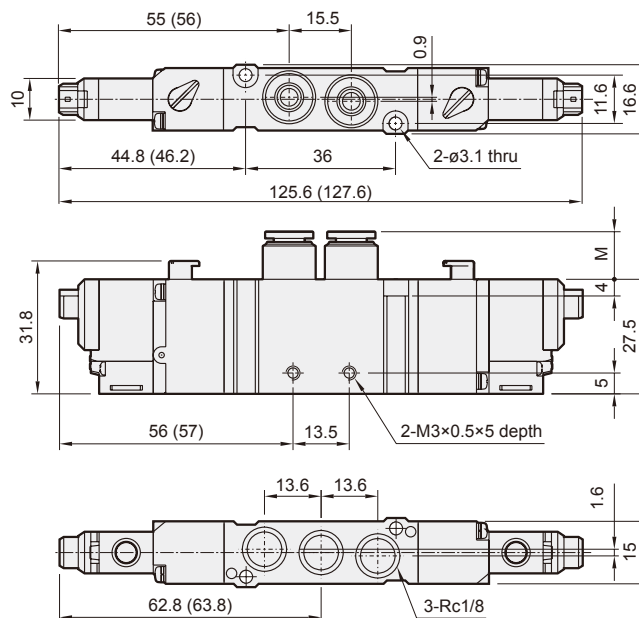
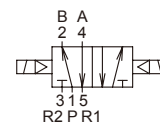
SOLENOID VALVE



MVSY-156C*-4E1



MVSY-156C*-4E2

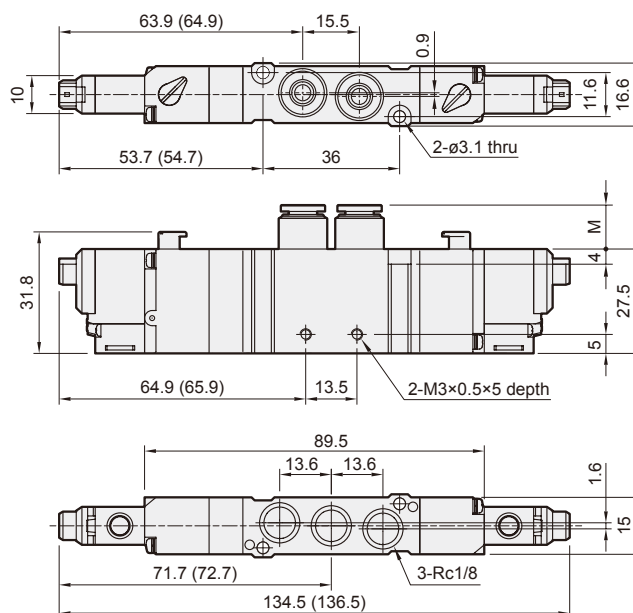
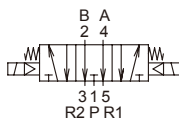
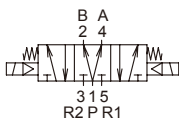
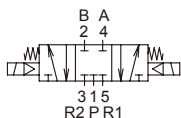


MVSY-156C*-4E2C.PR

MVSY-156-4E2C

MVSY-156-4E2P

MVSY-156-4E2R



Code Tube fitting	M
C4 (ø4)	(13.8)
C6 (ø6)	(14.7)
C8 (ø8)	(19.3)

(): Dimension for LJ plug type.

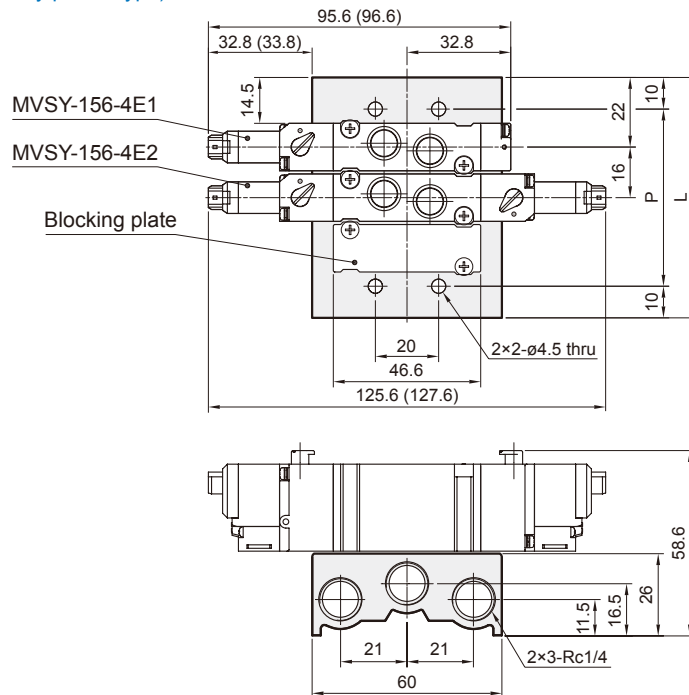
MVSY-156 Manifold

SOLENOID VALVE



MVSY-156-5B*

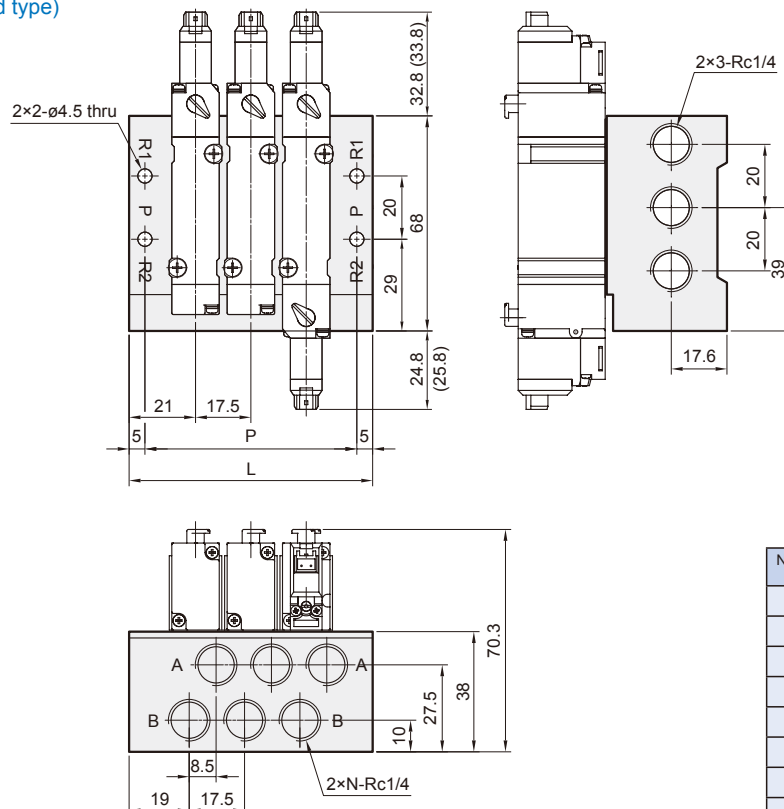
5 port (for body ported type)



No. of stations	P	L
2	40	60
3	56	76
4	72	92
5	88	108
6	104	124
7	120	140
8	136	156
9	152	172
10	168	188

MVSY-156M-5M*

5 port (for manifold type)



No. of stations (N)	P	L
2	49.5	59.5
3	67	77
4	84.5	94.5
5	102	112
6	119.5	129.5
7	137	147
8	154.5	164.5
9	172	182
10	189.5	199.5

(): Dimension for LJ plug type.

MVSY-156 Mounting bracket & Spacer assembly

SOLENOID VALVE



Mindman

Order example of bracket

MVSY — 156 — 1A

MODEL

MOUNTING BRACKET

1A
2A

Order example of spacer assembly

MVSY — 156M — 5BP

MODEL

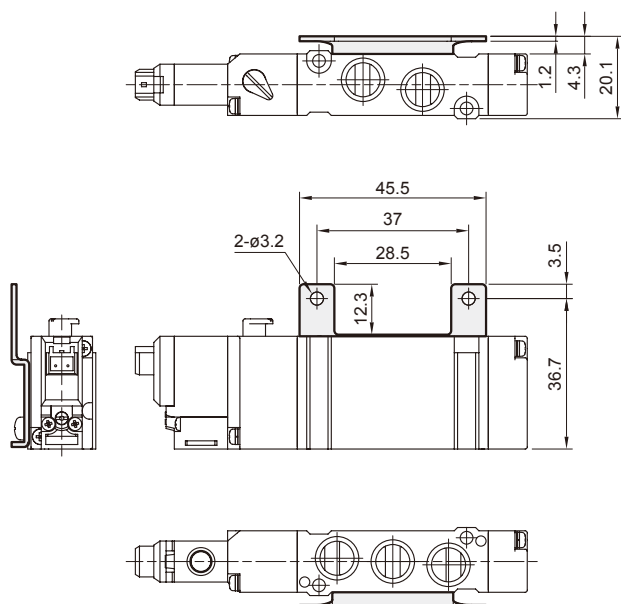
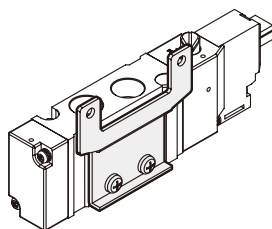
5B: 5 Port (for body ported type)
5M: 5 Port (for Manifold type)

SPACER
ASSEMBLY

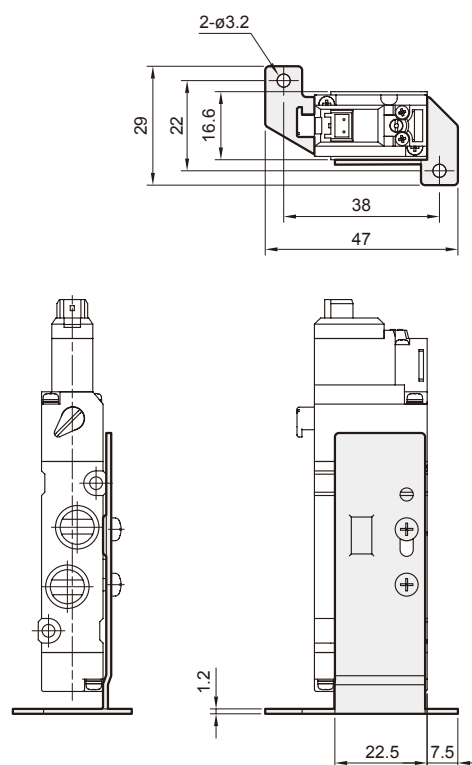
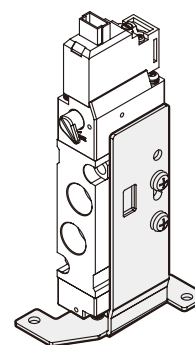
Blank: Body ported type
M: Manifold type

P: Individual SUP spacer assembly
R: Individual EXH spacer assembly
PR: Individual SUP spacer assembly+
Individual EXH spacer assembly

MVSY-156-1A



MVSY-156-2A



MVSY-156 Spacer assembly

SOLENOID VALVE

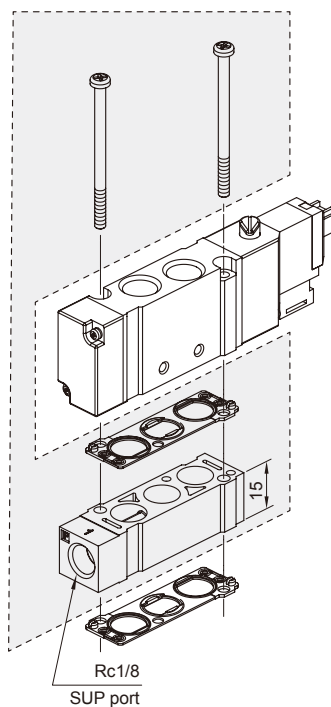


Mindman

for body ported type

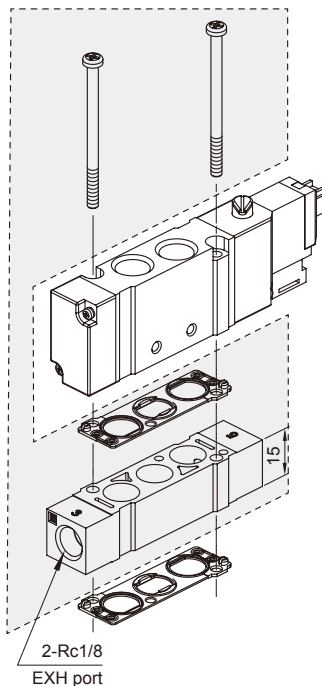
MVSY-156-5BP

Individual SUP spacer assembly



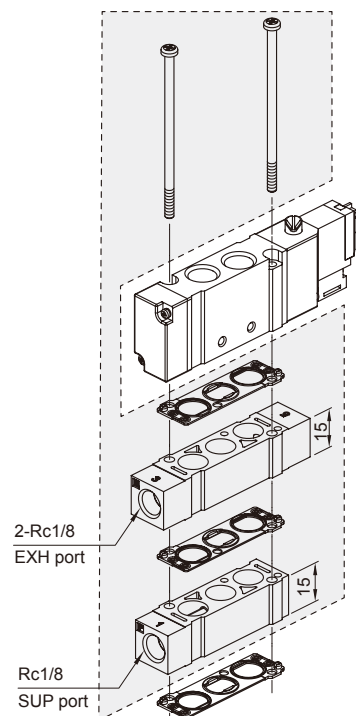
MVSY-156-5BR

Individual EXH spacer assembly



MVSY-156-5BPR

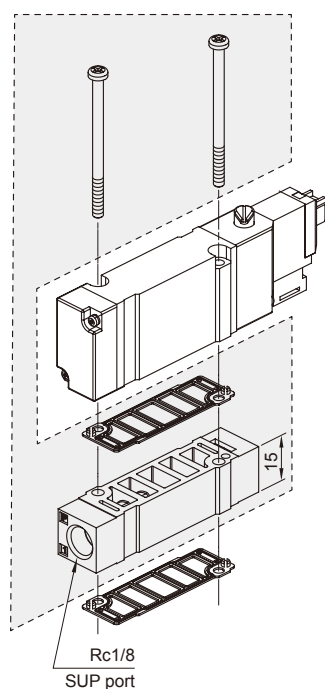
Individual SUP spacer assembly+
Individual EXH spacer assembly



for manifold type

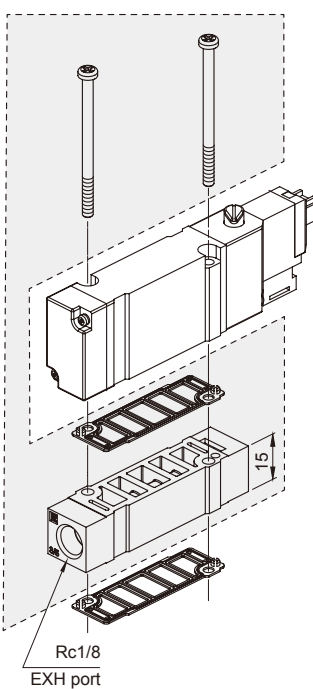
MVSY-156M-5MP

Individual SUP spacer assembly



MVSY-156M-5MR

Individual EXH spacer assembly



MVSY-156M-5MPR

Individual SUP spacer assembly+
Individual EXH spacer assembly

