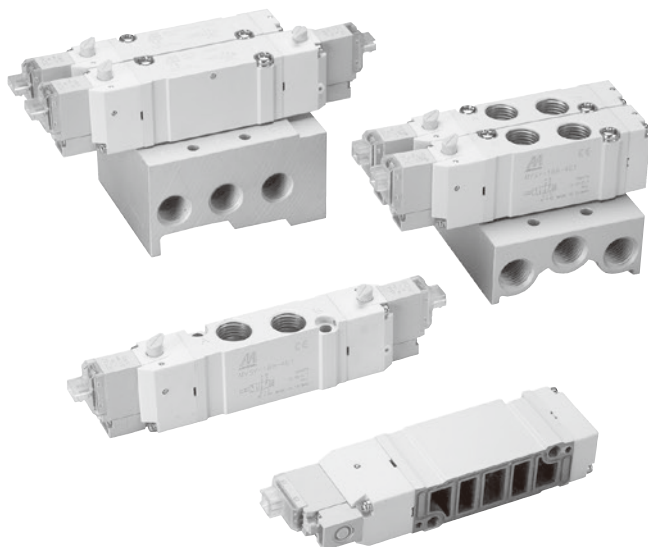


# MVSY-188 series

## 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 <sup>2</sup> | 16.3/27/12.4 mm <sup>2</sup> |
|                          | Manifold                              | 13 mm <sup>2</sup> | 13.5/18.4/11 mm <sup>2</sup> |
| 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

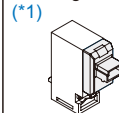
4: 4 way (5 port)

VOLTAGE

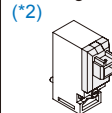
AC220V(50/60)Hz  
AC110V(50/60)Hz  
DC24V  
DC12V  
DC6V

ELECTRIC CONNECTION

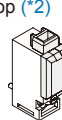
LJ: Plug on side (\*1)



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)

WIRE LENGTH

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

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)

\*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

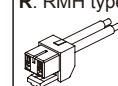
A2: AC220V(50/60)Hz  
A1: AC110V(50/60)Hz  
D: DC24V/12V/6V

WIRE

J: JPC type



R: RMH type



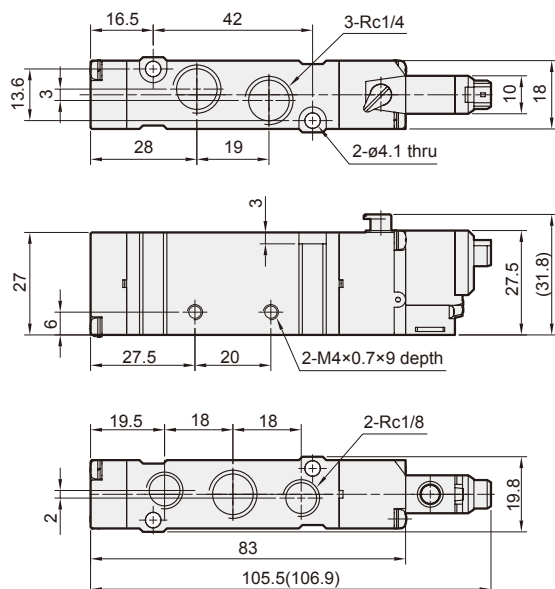
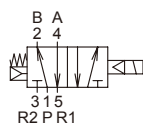
WIRE LENGTH

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

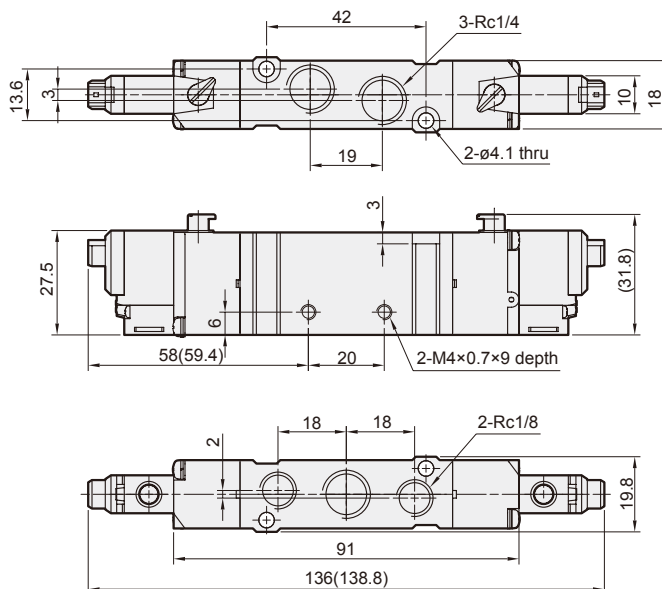
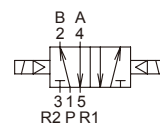
## SOLENOID VALVE



## MVSY-188-4E1

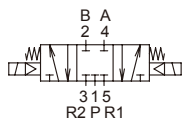


## MVSY-188-4E2

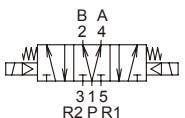


## MVSY-188-4E2C.P.R

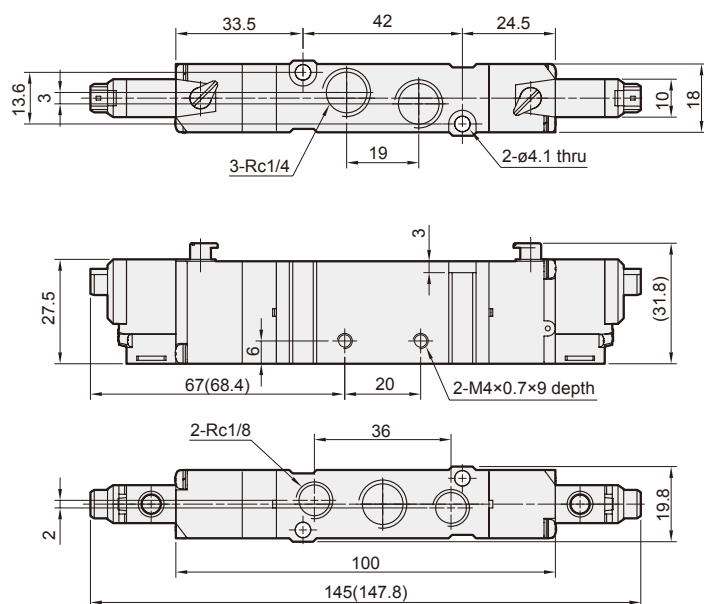
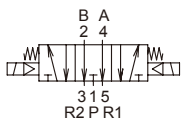
## MVSY-188-4E2C



## MVSY-188-4E2P

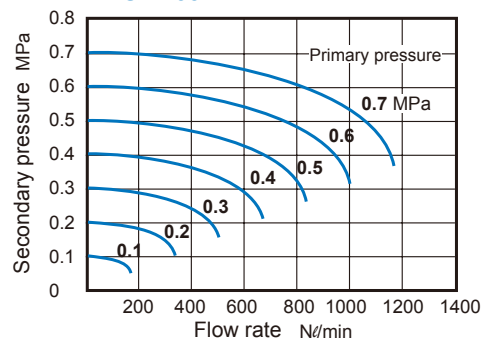


**MVSY-188-4E2R**

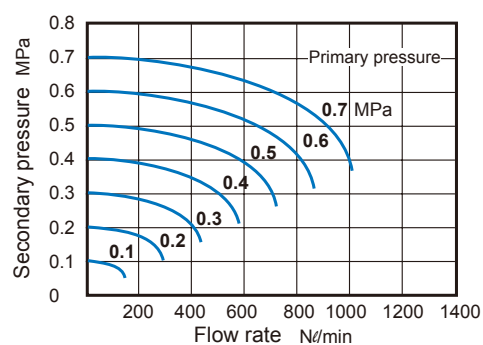


## Flow features

**MVSY-188-4E1/4E2**



**MVSY-188M-4E1/4E2**



( ): Dimension for **LJ** plug type.

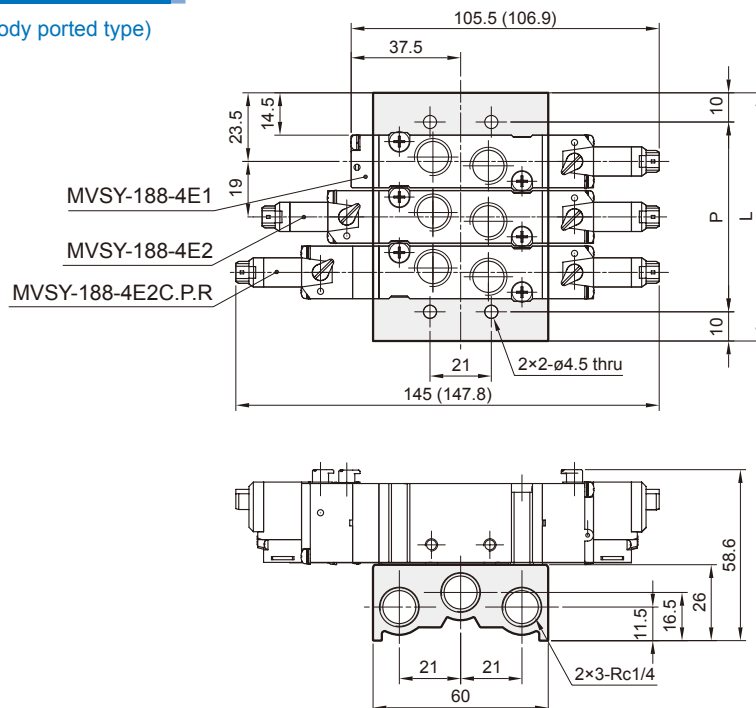
# MVSY-188 Manifold

## SOLENOID VALVE



### MVSY-188-5B\*

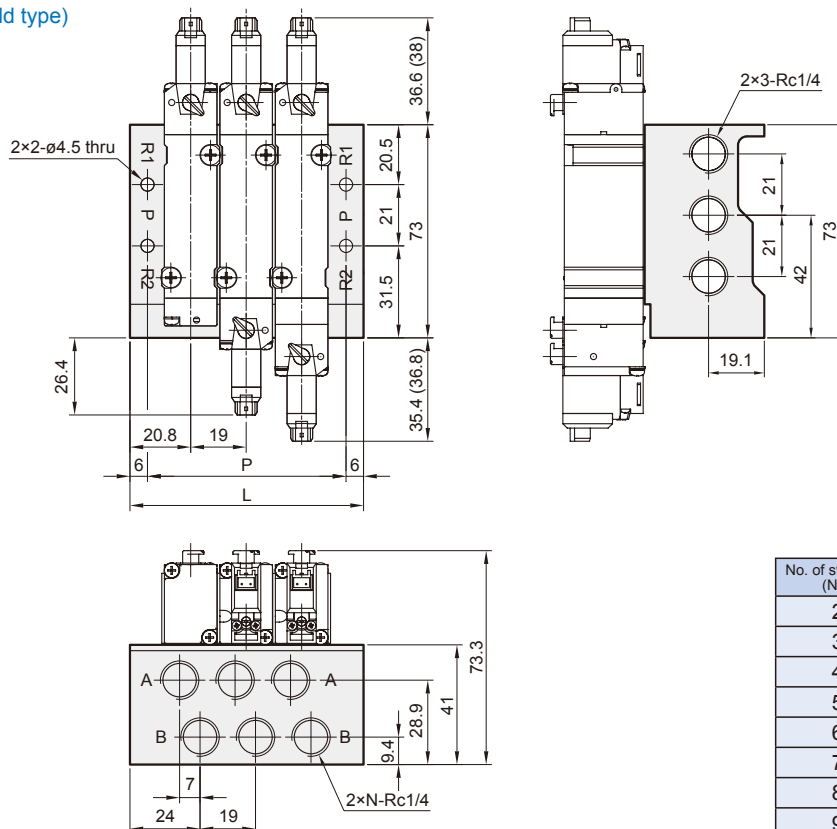
5 port (for body ported type)



| 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)

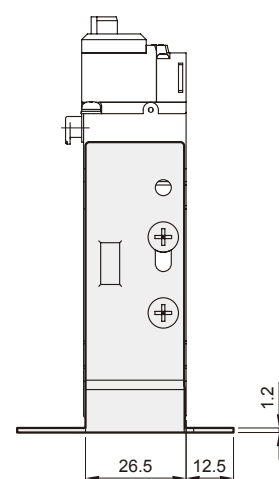
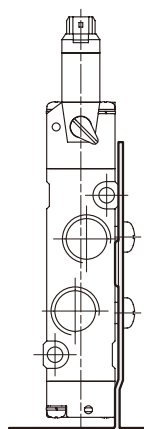
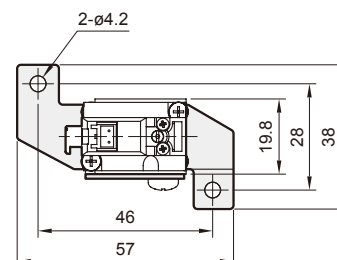
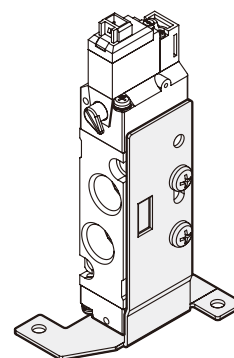
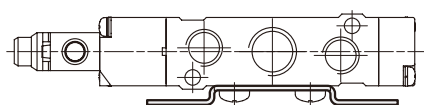
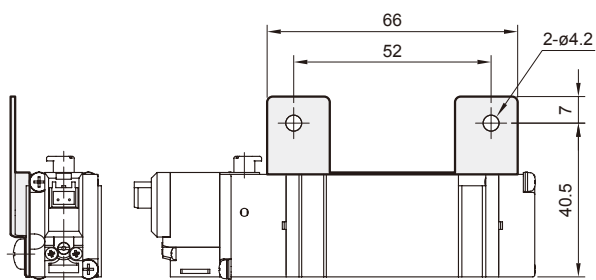
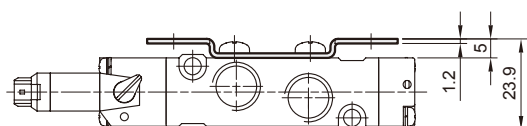
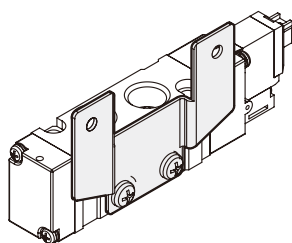
SPACER  
ASSEMBLY

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

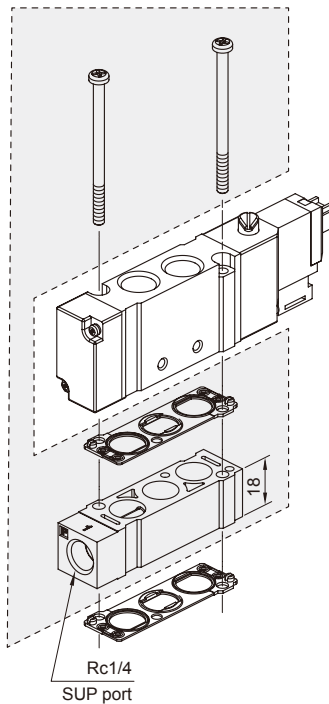
## SOLENOID VALVE



for body ported type

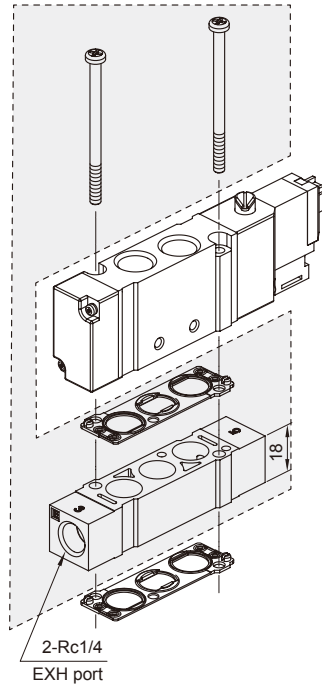
### MVSY-188-5BP

Individual SUP spacer assembly



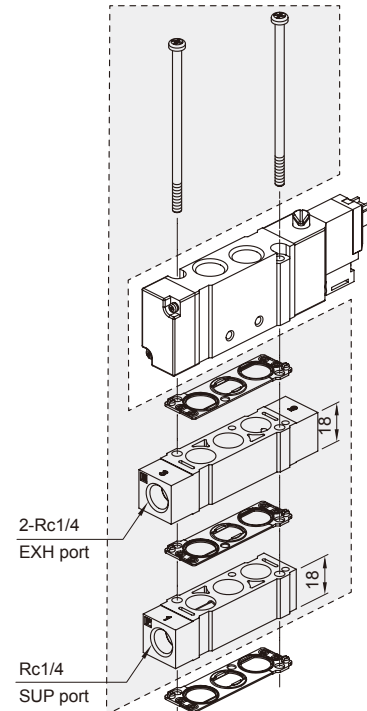
### MVSY-188-5BR

Individual EXH spacer assembly



### MVSY-188-5BPR

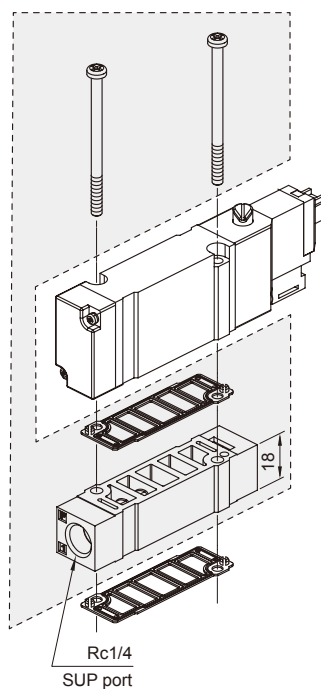
Individual SUP spacer assembly+  
Individual EXH spacer assembly



for manifold type

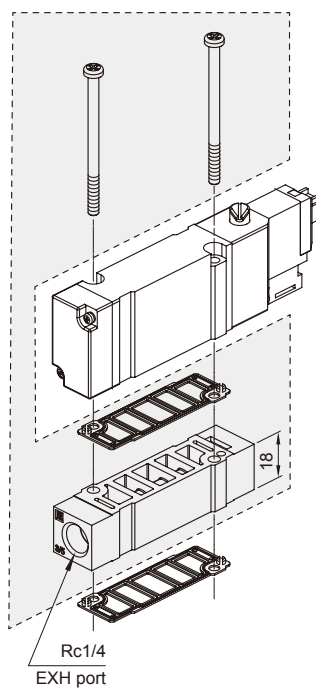
### MVSY-188M-5MP

Individual SUP spacer assembly



### MVSY-188M-5MR

Individual EXH spacer assembly



### MVSY-188M-5MPR

Individual SUP spacer assembly+  
Individual EXH spacer assembly

