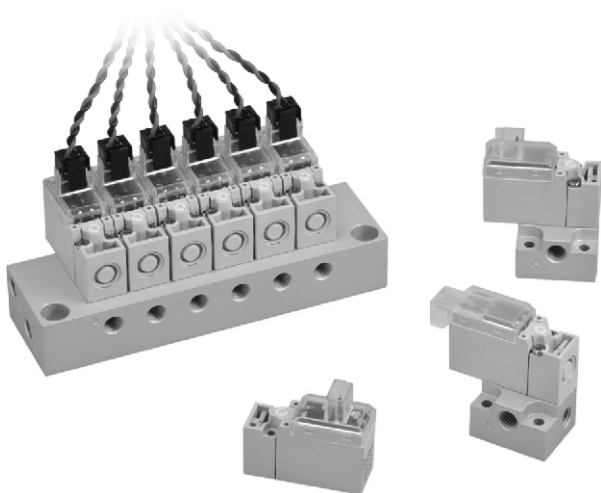


MVDY-100 series

SOLENOID VALVE (direct operated type)



Specification:

Model	MVDY-100-3E1	MVDY-100-3E1-**-A
No. of port	3	
No. of position	2	
Medium	Air	
Operating pressure range	0~7 kgf/cm ²	0~9 kgf/cm ²
Effective orifice	P → A1	0.28 mm ²
	P → A2	0.23 mm ²
Response time	DC: 4 ms, AC: 20 ms	
Ambient temperature	+5~+50℃	
Voltage	AC110V, AC220V(50/60)Hz, DC6/12/24V	
Power consumption	AC=1.6 / 2.5VA, DC=1.2 W (LED indicator)	
Available voltage range	±10%	
Insulation class	B class	
Weight	12 g	

Order example of valve:

MVDY - 100 - 3E1 - AC110 - LJ - A - M3

MODEL

BODY
WIDTH

VOLTAGE

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

3: 3way

E1: Single Solenoid

PLUG TYPE

LJ : Plug on side
(※1)

LR : Plug on side
(※2)

SR : Plug on top (※2)

SYMBOL OF ASSEMBLY

B1 :
Assembly (Base+Valve)

M□ : 2, 3.. manifold number
Assembly (Manifold+Valve)

EX:

Valve

MVDY-100-3E1-AC220-S × 1 pc.

Assembly (5 valve + 5 manifold)

MVDY-100-3E1-AC220-S-M5 × 1 set

Order example of base:

MVDY - 100 - 3B1

MODEL

BASE

Order example of manifold:

MVDY - 100 - 3M2

MODEL

MANIFOLD

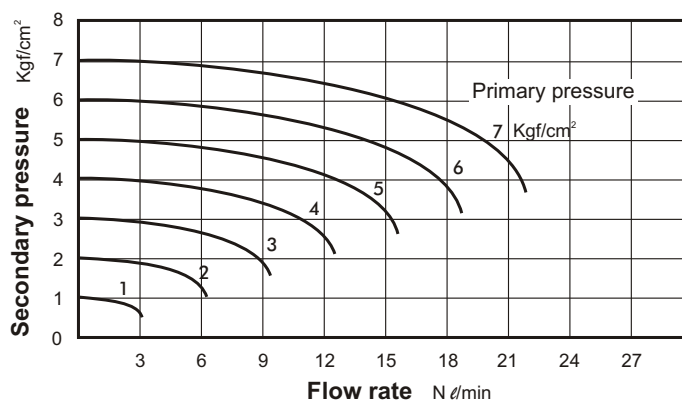
MANIFOLD
NUMBER
2, 3, 4.....

※ Pressure is 5 kgf/cm², at rated voltage.

(※1): Connector with flying leads JPC type.

(※2): Connector with flying leads RMH type. (Original)

Flow features:

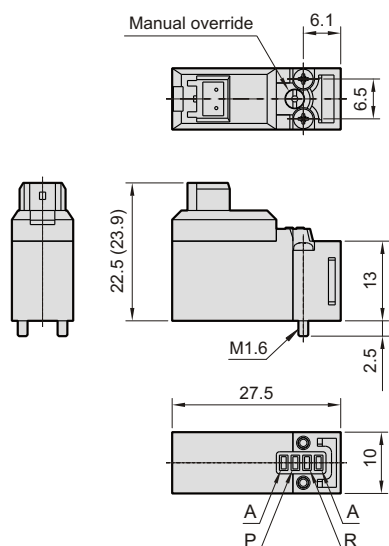
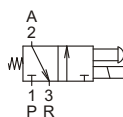


MVDY-100 Dimensions / Manifold

SOLENOID VALVE (direct operated type)

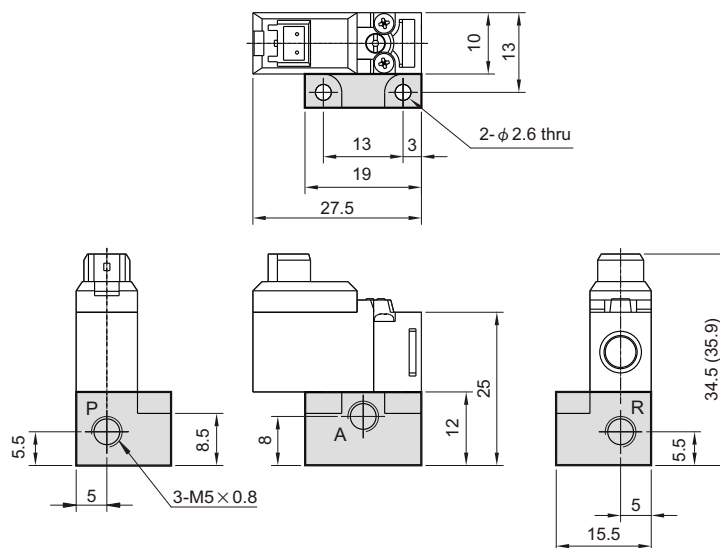


MVDY-100-3E1



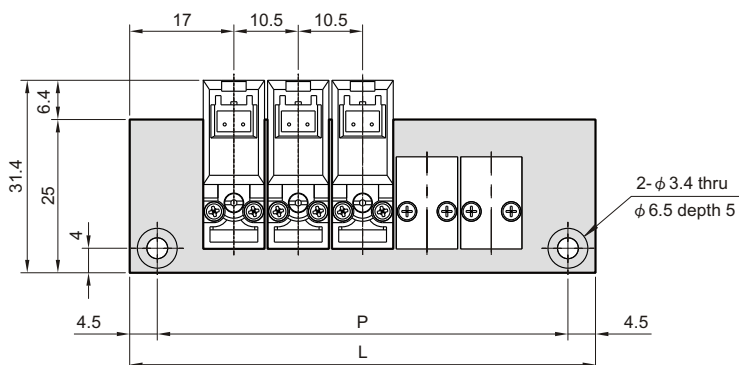
MVDY-100-3B1

Base

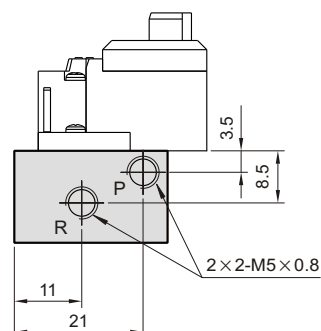
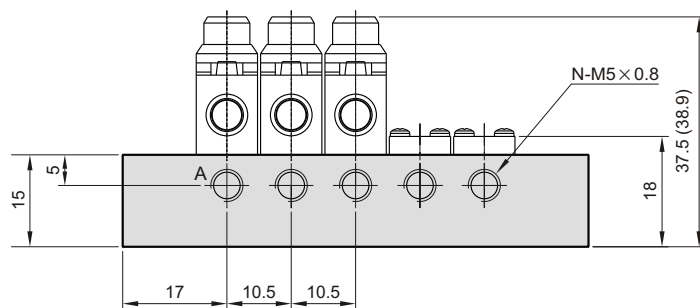


Manifold of solenoid valve:

MVDY-100-3M*



No. of stations (N)	P	L
2	35.5	44.5
3	46	55
4	56.5	65.5
5	67	76
6	77.5	86.5
7	88	97
8	98.5	107.5
9	109	118
10	119.5	128.5



(): Dimension for LJ plug type.