

MVDY-100 series

DIRECT ACTING TYPE SOLENOID VALVE



Mindman



Selection table



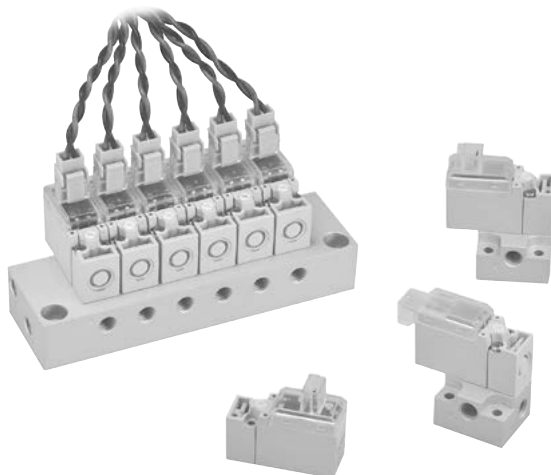
Blocking plate



Technical data



Caution for safety
(Read before installing)



Specification

Model		3E1	3E1-**-A	3E1-**-L-A
No. of port		3		
No. of position		2		
Medium		Air		
Operating perssure range		0~0.7 MPa	0~0.9 MPa	0~0.85 MPa
When used in vacuum	P port	0~0.6 MPa	0~0.8 MPa	0~0.75 MPa
	R port	-90~0 kPa		
Proof pressure		1 MPa		
Effective orifice	P→A	0.28 mm ²	0.09 mm ²	
	A→R	0.35 mm ²		
Reponse time		DC: 4 ms, AC: 20ms		
Max. operating frequency		5 Hz		
Ambient temperature		+5~-+50°C		
Voltage		AC110V, 220V (50/60)Hz, DC24/12/6V		DC24/12V
Power consumption		AC=1.6/2.5VA, DC=1.2W		0.55W
Available voltage range		±10%		
Insulation class		B class		
Weight		12 g		

* Pressure is 0.5 MPa, at rated voltage.

* LED indicator as standard.

Order example of valve

MVDY - 100 - 3E1 - AC110 - LJ1 - A - M3

MODEL

BODY WIDTH

3: 3way (3 port)

VOLTAGE

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

POWER CONSUMPTION

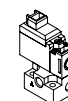
(Only for DC12/24V)
Blank: 1.2W
L: 0.55W (*)

Blank: Large flow capacity
A: Standard flow capacity (*)

* Power consumption (L) only for standard flow capacity (A).

SYMBOL OF ASSEMBLY

B1: Assembly (Base+Valve)



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



EX

Valve

MVDY-100-3E1-AC220-LJ1-A × 1 pc.

Assembly (5 valve + 5 manifold)

MVDY-100-3E1-AC220-LR2-M5 × 1 set

Order example of base

MVDY - 100 - 3B1

MODEL

BASE

3B: 3 port base

Order example of manifold

MVDY - 100 - 3M2

MODEL

MANIFOLD

3M: 3 port (for manifold type)

MANIFOLD NUMBER

1~20

* Starting from 11 stations, manifolds are made to order.

ELECTRIC CONNECTION

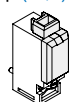
LJ: Plug on side (*1)



LR: Plug on side (*2)



SR: Plug on Top (*2,3)



WIRE LENGTH

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

*1. Plug with flying leads JPC type.

*2. Plug with flying leads RMH type.

*3. DC voltage only.

Order example of wire

MVDY - 100 - WA2J2

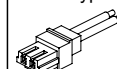
MODEL

VOLTAGE

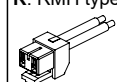
A2: AC220V(50/60)Hz
A1: AC110V(50/60)Hz
D: DC24V/12V/6V

WIRE

J: JPC type



R: RMH type



WIRE LENGTH

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

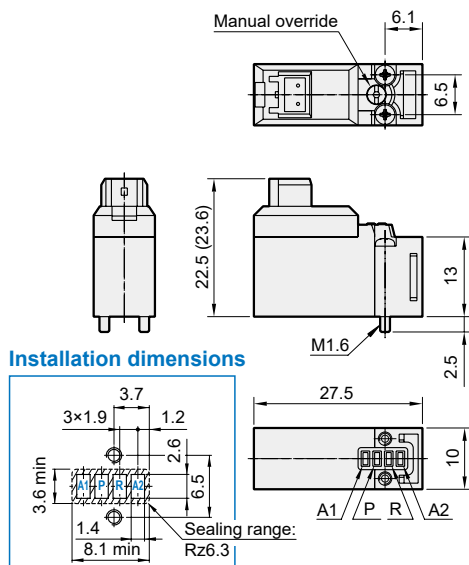
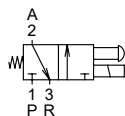
MVDY-100 Dimensions

DIRECT ACTING TYPE SOLENOID VALVE



MVDY-100-3E1

(): Dimension for LJ plug type.



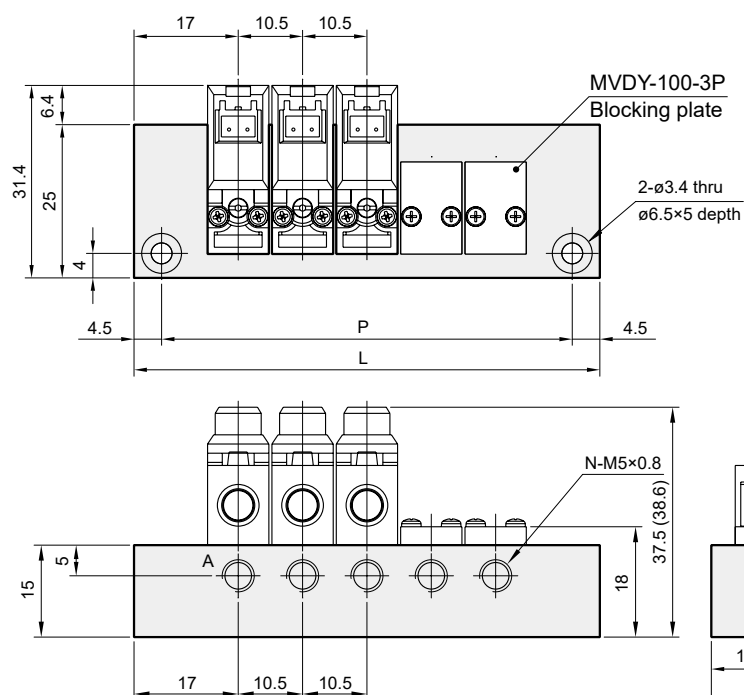
Manifold of solenoid valve

MVDY-100-3M*

3 port (for manifold type)

No. of stations (N)	P	L	No. of stations (N)	P	L
1	25	34	6	77.5	86.5
2	35.5	44.5	7	88	97
3	46	55	8	98.5	107.5
4	56.5	65.5	9	109	118
5	67	76	10	119.5	128.5

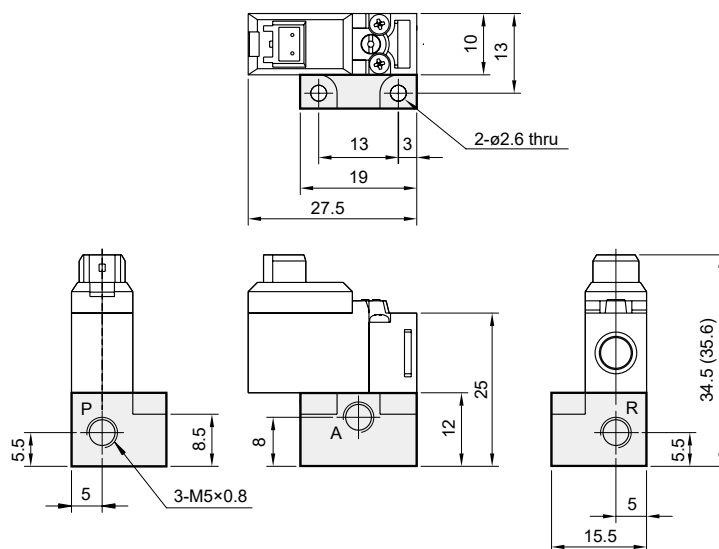
P: (No. of stations-1)×10.5+25
L: (No. of stations-1)×10.5+34



MVDY-100-3B1

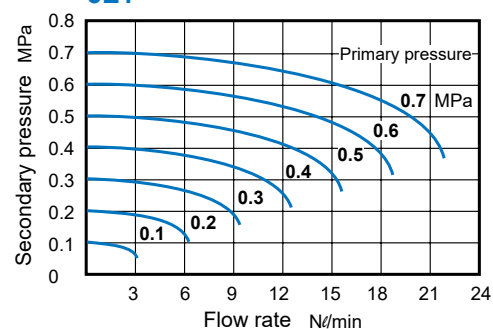
3 port base

(): Dimension for LJ plug type.

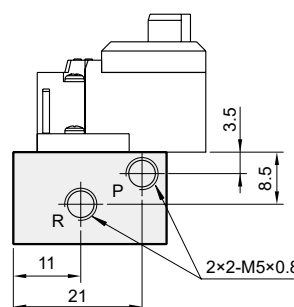
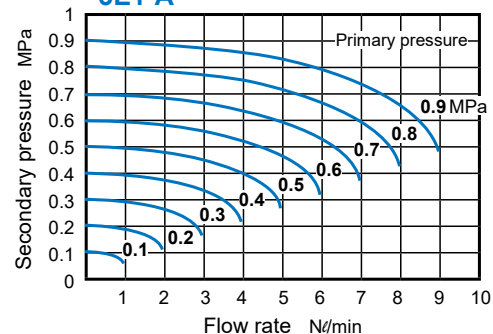


Flow features

3E1



3E1-A



(): Dimension for LJ plug type.