

MVSC1-180 series

SOLENOID VALVE



mindman



Features



Selection table



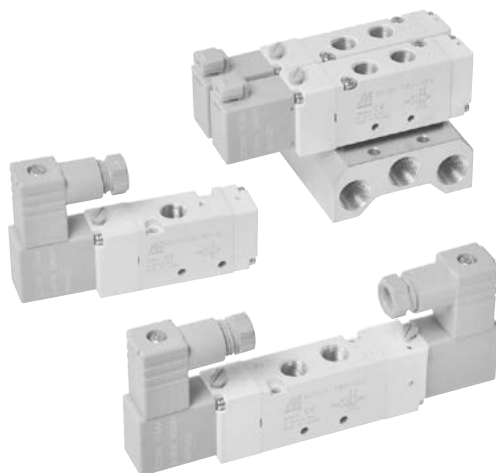
Blocking plate



Technical data



Caution for safety
(Read before installing)



Specification

Model	3E1	3E2	4E1	4E2	4E2 C.P.R
Bore No.	6A				
Port size	1/8				
No. of port / position	3 / 2		5 / 2		5 / 3
Medium	Air				
Operating perssure range	0.15~0.8 MPa				0.2~0.7 MPa
Operating pressure range (LP)	0~0.8 MPa				0~0.7 MPa
External pilot pressure (LP)	0.15~0.8 MPa				0.2~0.7 MPa
Proof pressure	1 MPa				
Effective orifice	15 mm ²		12 mm ²		9 mm ²
Response time	Standard	AC<35 ms, DC<25 ms			AC<45ms, DC<30ms
	Quick response*	AC<31 ms, DC<20 ms			AC<41ms, DC<25ms
Power consumption	Standard	AC=1.12VA, DC=0.95W			
	Quick response*	AC=2.5VA, DC=2.5W			
Ambient temperature	-5~+50°C (No freezing)				
Voltage	AC110V, 220V (50/60)Hz, DC24/12V				
Available voltage range	±10%				
Insulation class	F class				
Weight	90 g	125 g	94 g	129 g	143 g

* For quick response type, it cannot be energized for more than 30 minutes.

Order example of valve

MVSC1 — 180 — 4E2C — NC — □ — AC110 — H1 — LP — G

MODEL

BODY WIDTH

NC: Normally closed
NO: Normally open
(Only for 3E1 type)

3: 3 way (3 port)
4: 4 way (5 port)

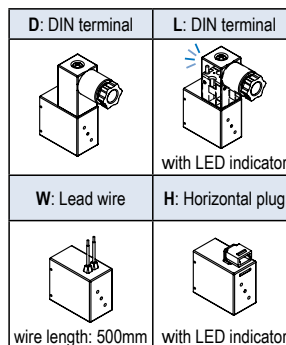
E1: Single Solenoid
E2: Double Solenoid

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

RESPONSE TIME
Blank: Standard type
Q: Quick response*
* Made to order, please contact us.

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

ELECTRIC CONNECTION



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

Blank: Standard
LP: External pilot

Wire length	
—	500mm
1	1000mm
2	2000mm
3	3000mm

* Wire length only for "H: Horizontal plug".

Order example of manifold

MVSC1 — 180 — 3B3 — G

MODEL

MANIFOLD	NUMBER
3B 3 port (for body ported type)	1~20
5B 5 port (for body ported type)	1~28

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

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

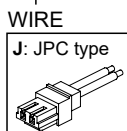
Order example of wire

* Use the same wire with MVDY.
* Only for "H: Horizontal plug".

MVDY — 100 — WA2J2

MODEL

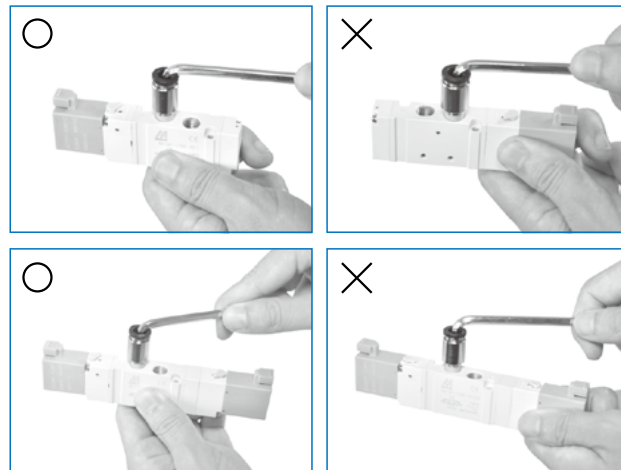
VOLTAGE
A2: AC220V(50/60)Hz
A1: AC110V(50/60)Hz
D: DC24V/12V/6V



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

Caution

Prohibit apply force to coil when tighten the tube fitting.

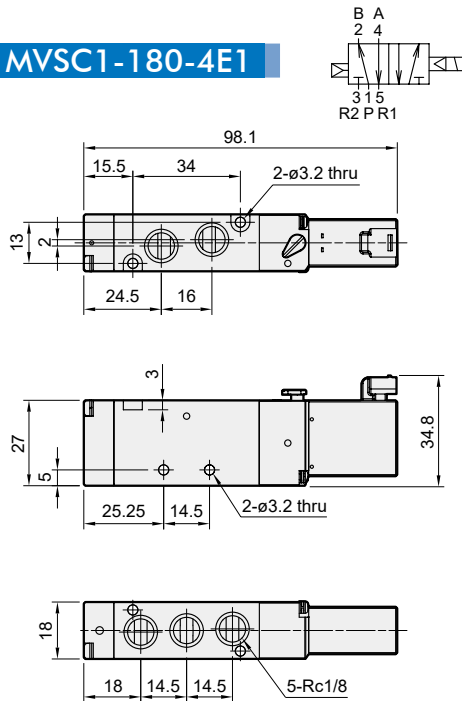


MVSC1-180 Dimensions

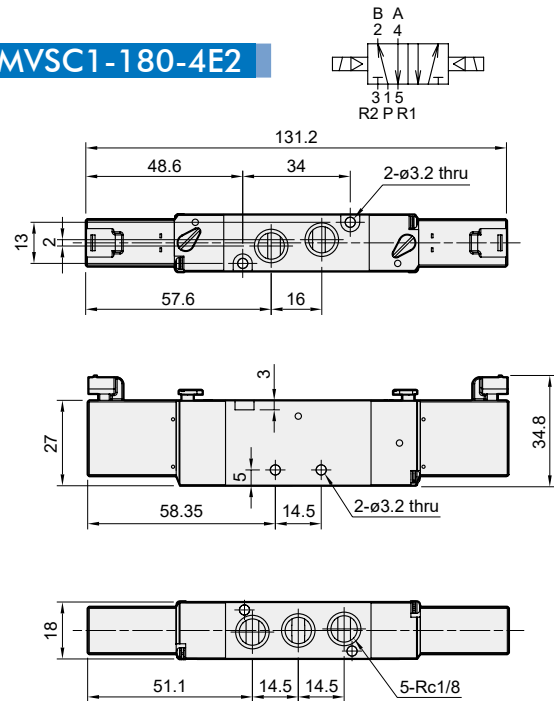
SOLENOID VALVE



MVSC1-180-4E1

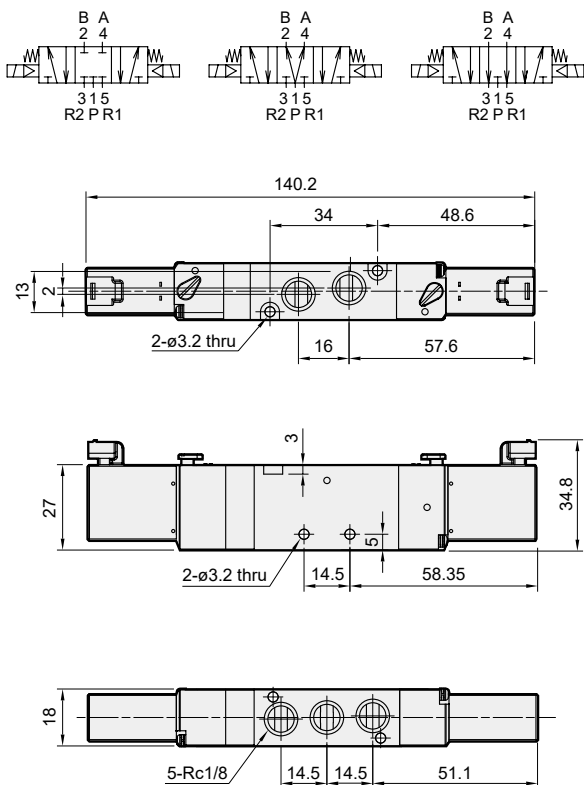


MVSC1-180-4E2



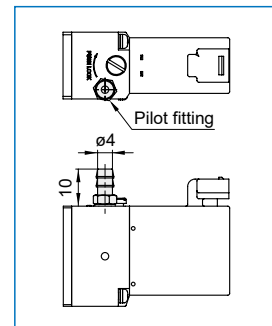
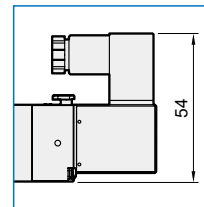
MVSC1-180-4E2C.P.R

MVSC1-180-4E2C MVSC1-180-4E2P MVSC1-180-4E2R



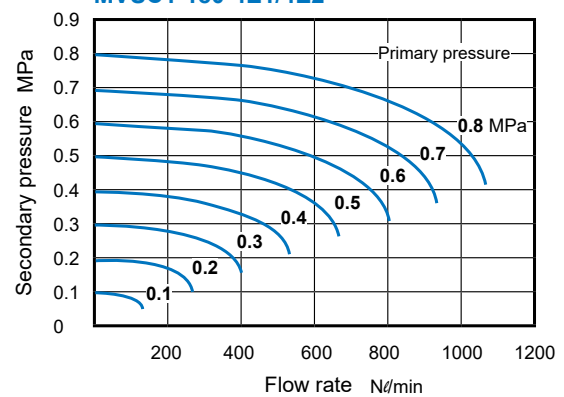
LP

DIN terminal /
DIN terminal with
LED indicator



Flow features

MVSC1-180-4E1/4E2

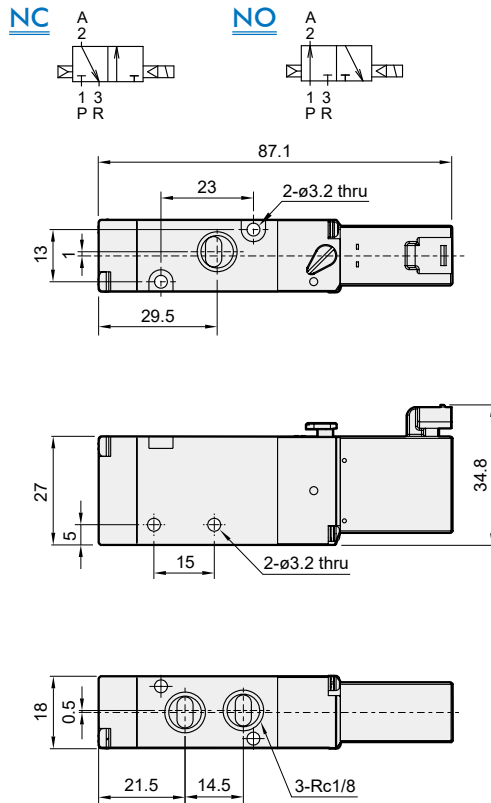


MVSC1-180 Dimensions

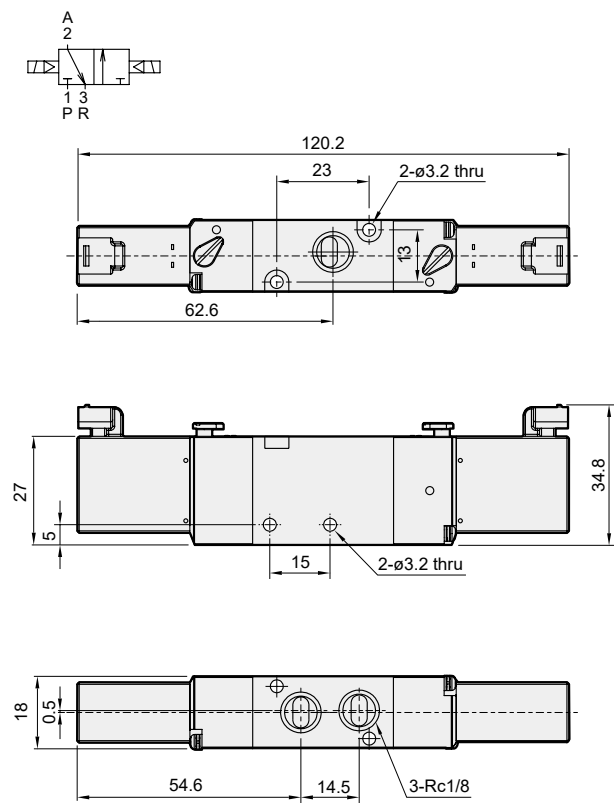
SOLENOID VALVE



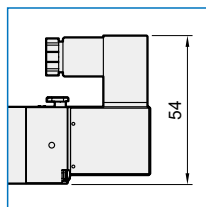
MVSC1-180-3E1-NC/NO



MVSC1-180-3E2



**DIN terminal /
DIN terminal with LED indicator**



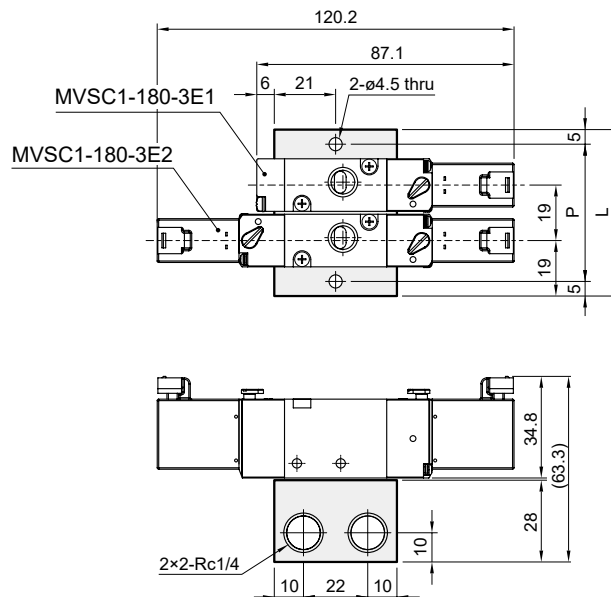
MVSC1-180 Manifold

SOLENOID VALVE



MVSC1-180-3B*

3 port (for body ported type)

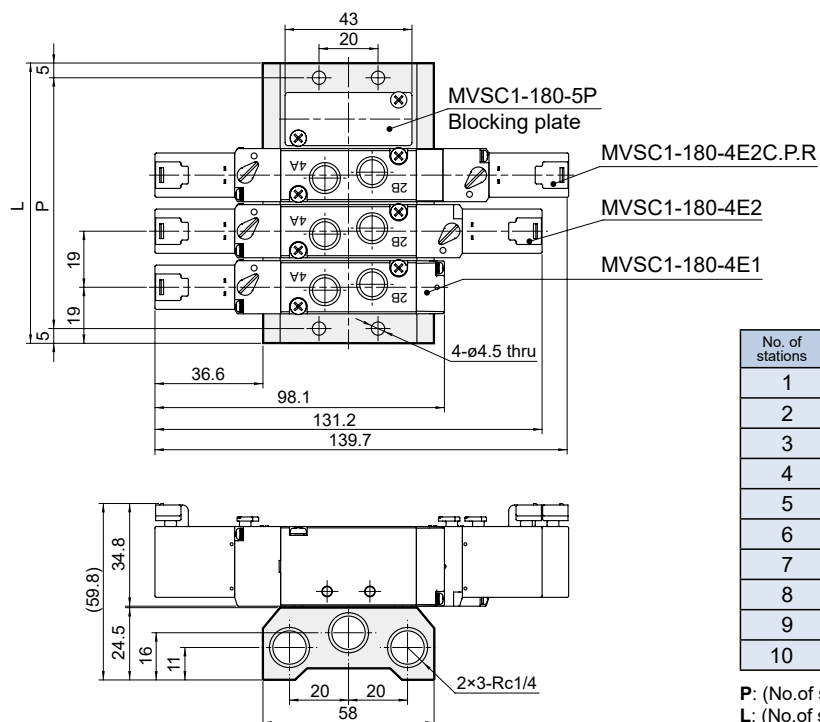


No. of stations	P	L
1	28	38
2	47	57
3	66	76
4	85	95
5	104	114
6	123	133
7	142	152
8	161	171
9	180	190
10	199	209

P: (No. of stations-1)×19+28
L: (No. of stations-1)×19+38

MVSC1-180-5B*

5 port (for body ported type)



No. of stations	P	L
1	28	38
2	47	57
3	66	76
4	85	95
5	104	114
6	123	133
7	142	152
8	161	171
9	180	190
10	199	209

P: (No. of stations-1)×19+28
L: (No. of stations-1)×19+38