

MVSD2-180 series

SOLENOID VALVE



Selection table



Blocking plate



Technical data



Caution for safety
(Read before installing)



Specification

Model		4E1	4E2	4E2 C.P.R
Bore No.		6A		
Port size		1/8		
No. of port / position		5 / 2		5 / 3
Medium		Air		
Operating perssure range		0.15~0.8 MPa		0.2~0.7 MPa
Proof pressure		1 MPa		
Effective orifice		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		94 g	129 g	143 g

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

Order example of valve

MVSD2 — 180 — 4E2C — □ — AC110 — H1 — G

MODEL

BODY WIDTH

4: 4 way (5 port)

E1: Single Solenoid
E2: Double Solenoid

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

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

VOLTAGE

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

ELECTRIC CONNECTION

D: DIN terminal

L: DIN terminal

W: Lead wire

H: Horizontal plug

wire length: 500mm

with LED indicator

with LED indicator

with LED indicator

with LED indicator

with LED indicator

with LED indicator

with LED indicator

with LED indicator

with LED indicator

with LED indicator

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PORT THREAD

Blank: Rc thread
G: G thread
NPT: NPT thread

Wire length

— 500mm

1 1000mm

2 2000mm

3 3000mm

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

Order example of manifold

* Use the same manifold with MVSG.

MVSG — 180 — 5B3 — G

MODEL

MANIFOLD

5B: 5 port
(for body ported type)

STATION

1, 2, 3...

PORT THREAD

Blank: Rc thread
G: G thread
NPT: NPT thread

Order example of wire

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

MVDY — 100 — WA2J2

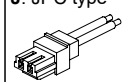
MODEL

VOLTAGE

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

WIRE

J: JPC type

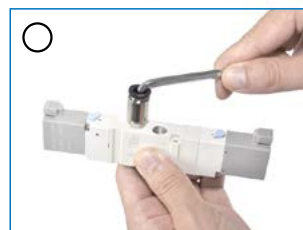


WIRE LENGTH

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

Caution

Prohibit apply force to coil when tighten the tube fitting.

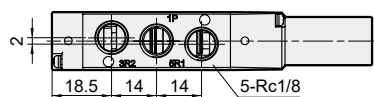
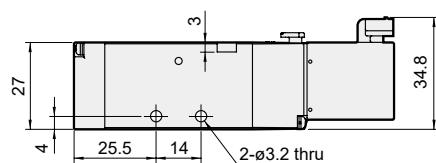
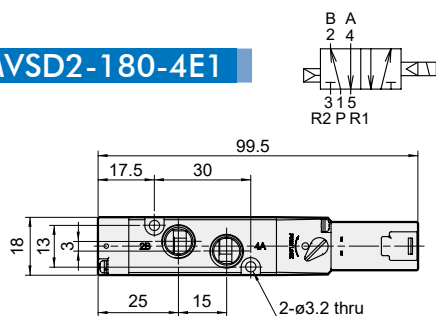


MVSD2-180 Dimensions

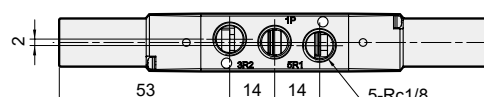
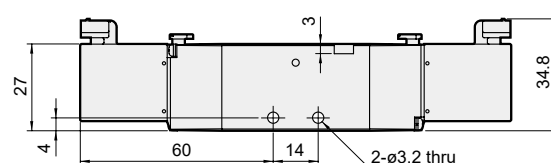
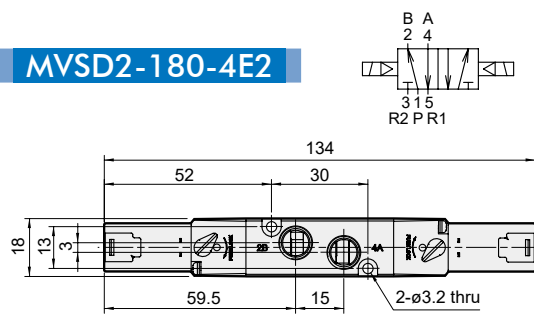
SOLENOID VALVE



MVSD2-180-4E1

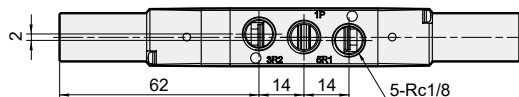
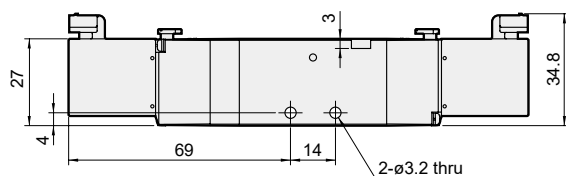
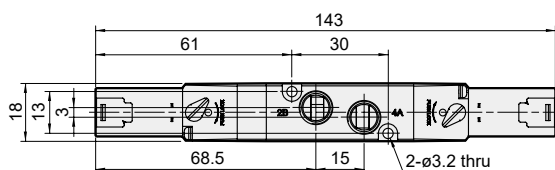
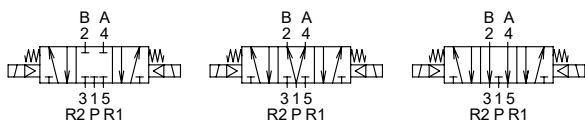


MVSD2-180-4E2

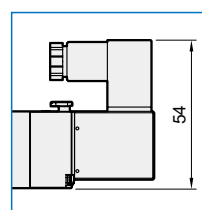


MVSD2-180-4E2C.P.R

MVSD2-180-4E2C MVSD2-180-4E2P MVSD2-180-4E2R

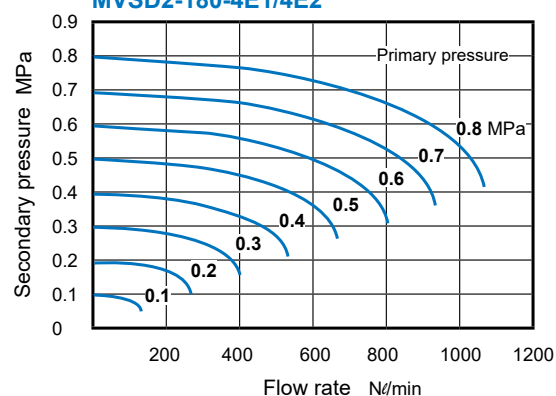


DIN terminal / DIN terminal with LED indicator



Flow features

MVSD2-180-4E1/4E2



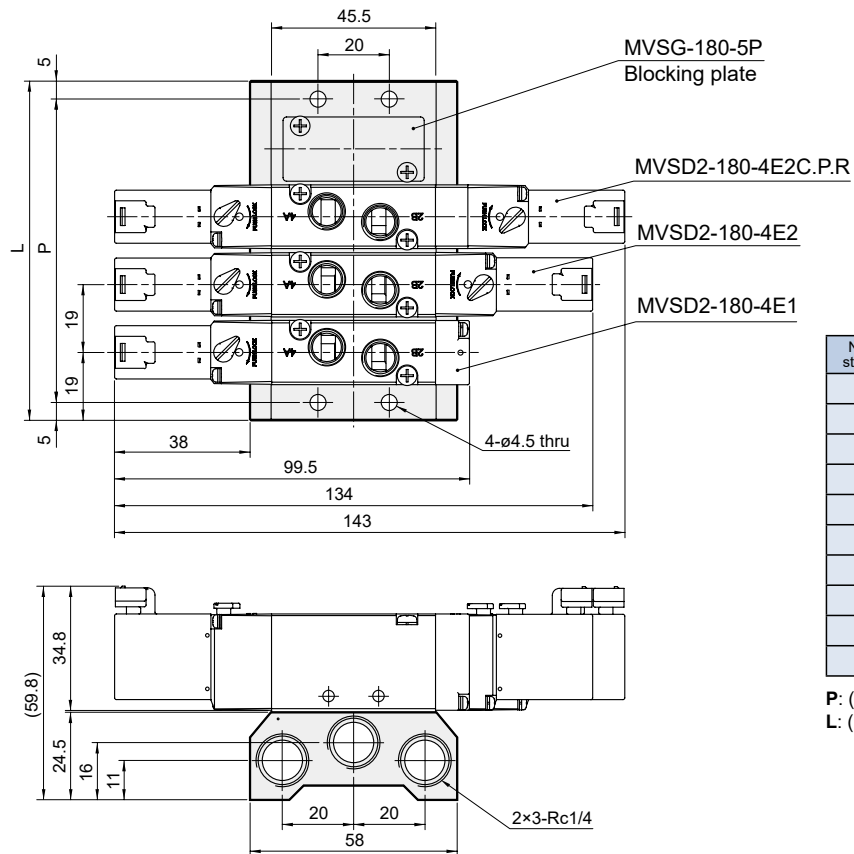
MVSD2-180 Manifold

SOLENOID VALVE



MVSG-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