

MVSC-300 series

SOLENOID VALVE



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.	10A					
Port size	3/8					
No. of port	3		5			
No. of position	2				3	
Medium	Air					
Operating perssure range	0.2~0.8 MPa				0.3~0.8 MPa	
Operating pressue (LP)	0~0.8 MPa					
Pilot pressure range (LP)	(0.34×P(*1)+0.1)~0.5 MPa					
Proof pressure	1 MPa					
Effective orifice	30 mm ²		35 mm ²		25 mm ²	
Reponse time	50ms					
Ambient temperature	-5~+50°C (No freezing)					
Voltage	AC110V, 220V, 24V (50/60)Hz, DC24V, 12V					
Power consumption	Standard	AC=4.8/4.4VA, 6/4.9VA, 6.7/5.4VA, DC=2W, 2.5W				
	Power saving	DC24V=Start: 2W(*2) Power saving: 0.5W				
Available voltage range	±10%					
Insulation class	F class					
Weight (g)	Valve	325	453	320	444	505
	Manifold	110n+64 (*3)		85n+52 (*3)		

*1. P: Operating pressure *2. Power saving covert time 100ms. *3. n: Stations

Order example of valve

MVSC — 300 — 4E2C — NC — AC110 — L — LP — G

MODEL

BODY WIDTH

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

VOLTAGE

AC220V(50/60)Hz
AC110V(50/60)Hz
AC24V(50/60)Hz
DC24V
DC12V

LP: External pilot

PORT THREAD

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

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)

ELECTRIC CONNECTION

Standard	
Blank	DIN terminal
L	DIN terminal with LED indicator
E	Explosion protection (Table 1)(Black coil)
Power saving (for DC24V)	
KL	DIN terminal with LED indicator

Order example of manifold

MVSC — 300 — 3B3 — G

MODEL

MANIFOLD

STATION

	MANIFOLD	STATION
3B	3 port (for body ported type)	1~12
5B	5 port (for body ported type)	1~17

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

Table 1

Property for explosion-proof type

Anti-explosion class	Ex mb IIC T4 Gb
Voltage	AC110V / 220V(50/60)Hz, DC24V
Power consumption	AC110V=4.5VA, AC220V=4.8VA, DC=5W
Available voltage range	±10%
Insulation class	F class
Wire length	3 m

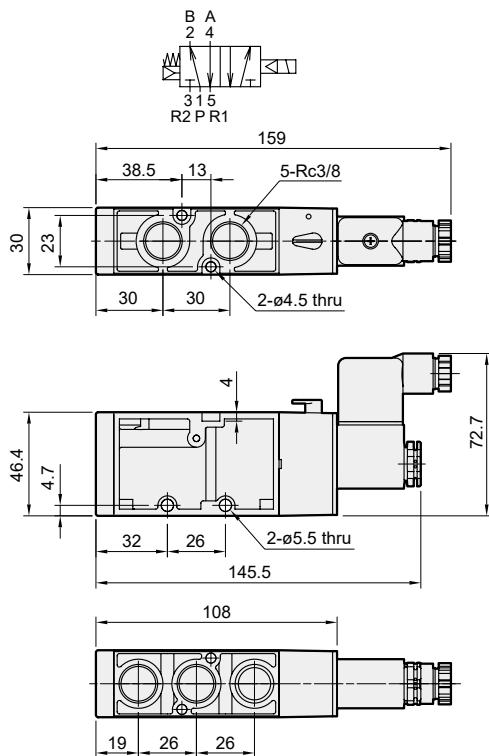
* Starting from 11 stations, manifolds are made to order.

MVSC-300 Dimensions

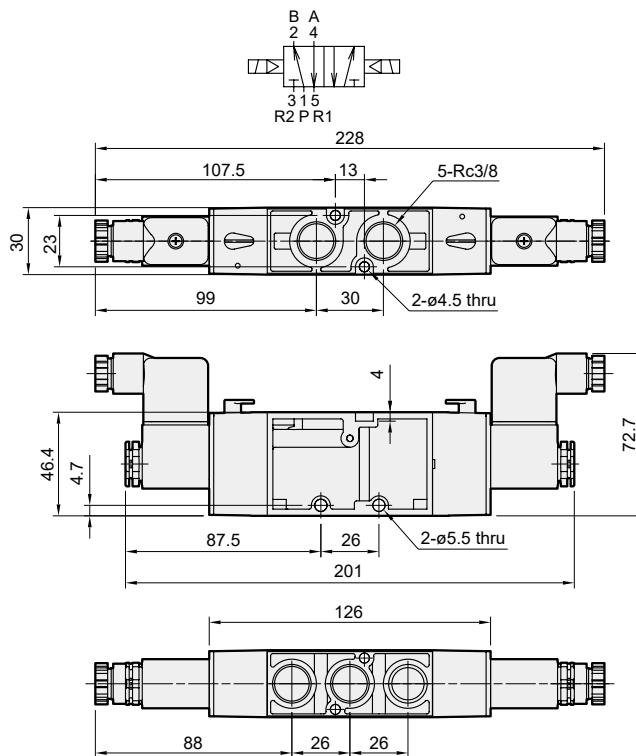
SOLENOID VALVE



MVSC-300-4E1



MVSC-300-4E2

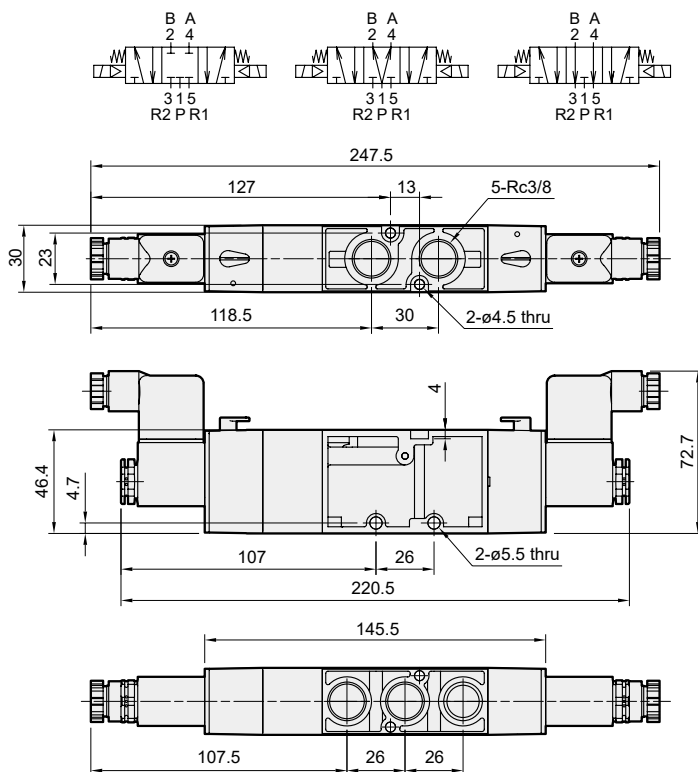


MVSC-300-4E2C.PR

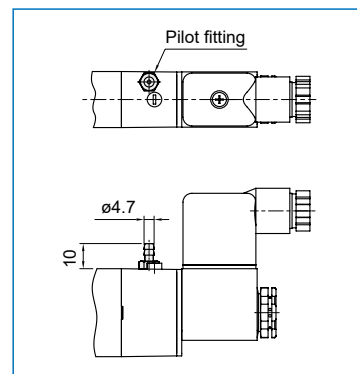
MVSC-300-4E2C

MVSC-300-4E2P

MVSC-300-4E2R

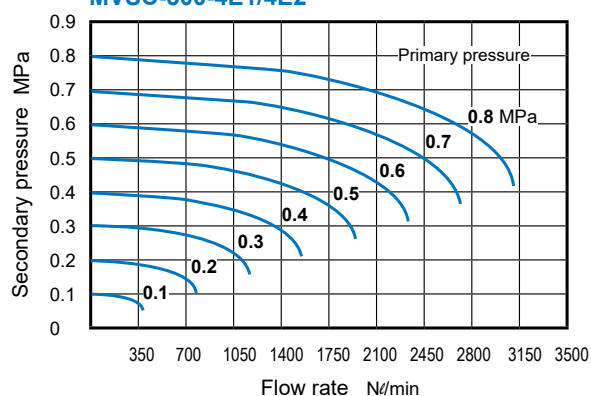


LP



Flow features

MVSC-300-4E1/4E2

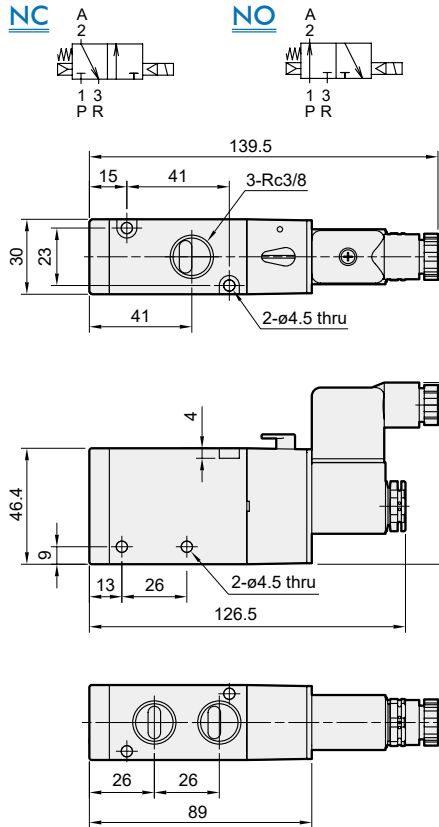


MVSC-300 Dimensions

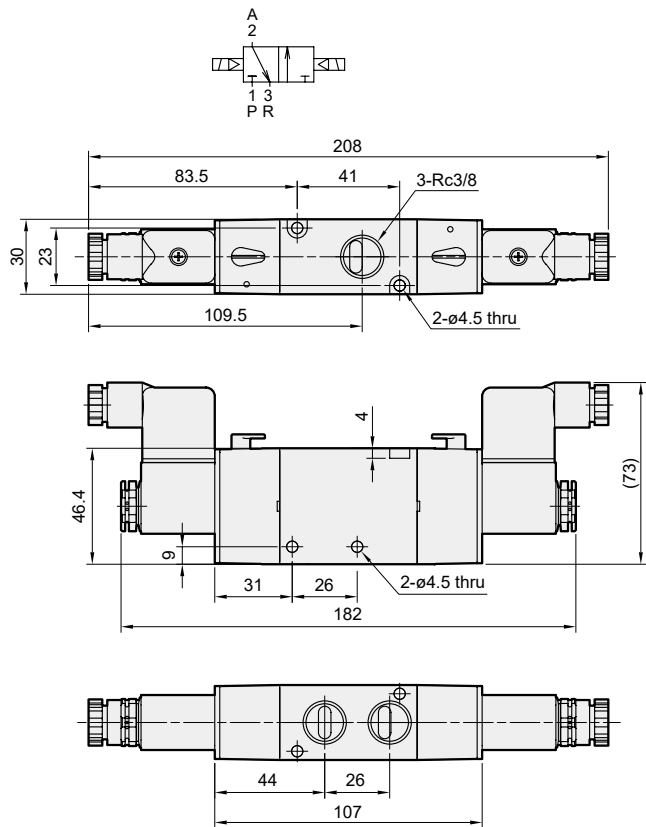
SOLENOID VALVE



MVSC-300-3E1-NC/NO



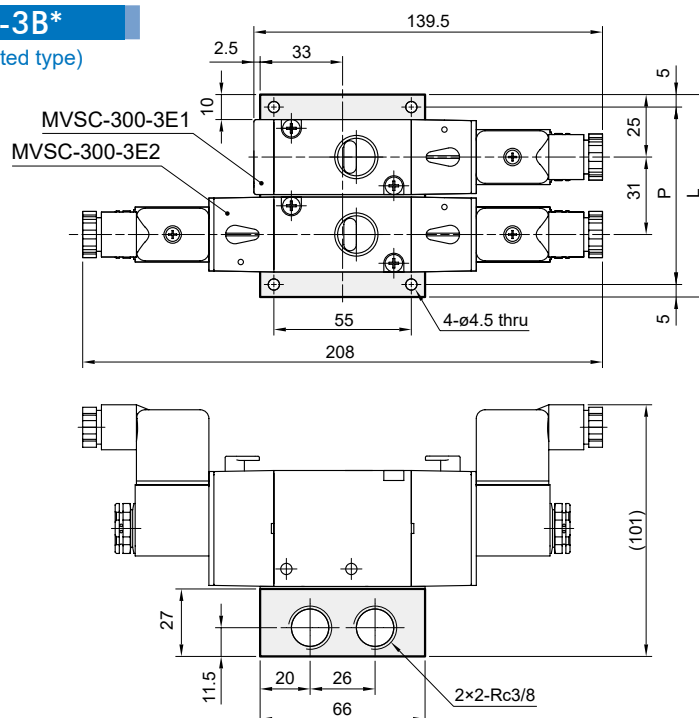
MVSC-300-3E2



Manifold of solenoid valve

MVSC-300-3B*

3 port (for body ported type)



No. of stations	P	L
1	40	50
2	71	81
3	102	112
4	133	143
5	164	174
6	195	205
7	226	236
8	257	267
9	288	298
10	319	329

P: (No. of stations-1)×31+40
L: (No. of stations-1)×31+50

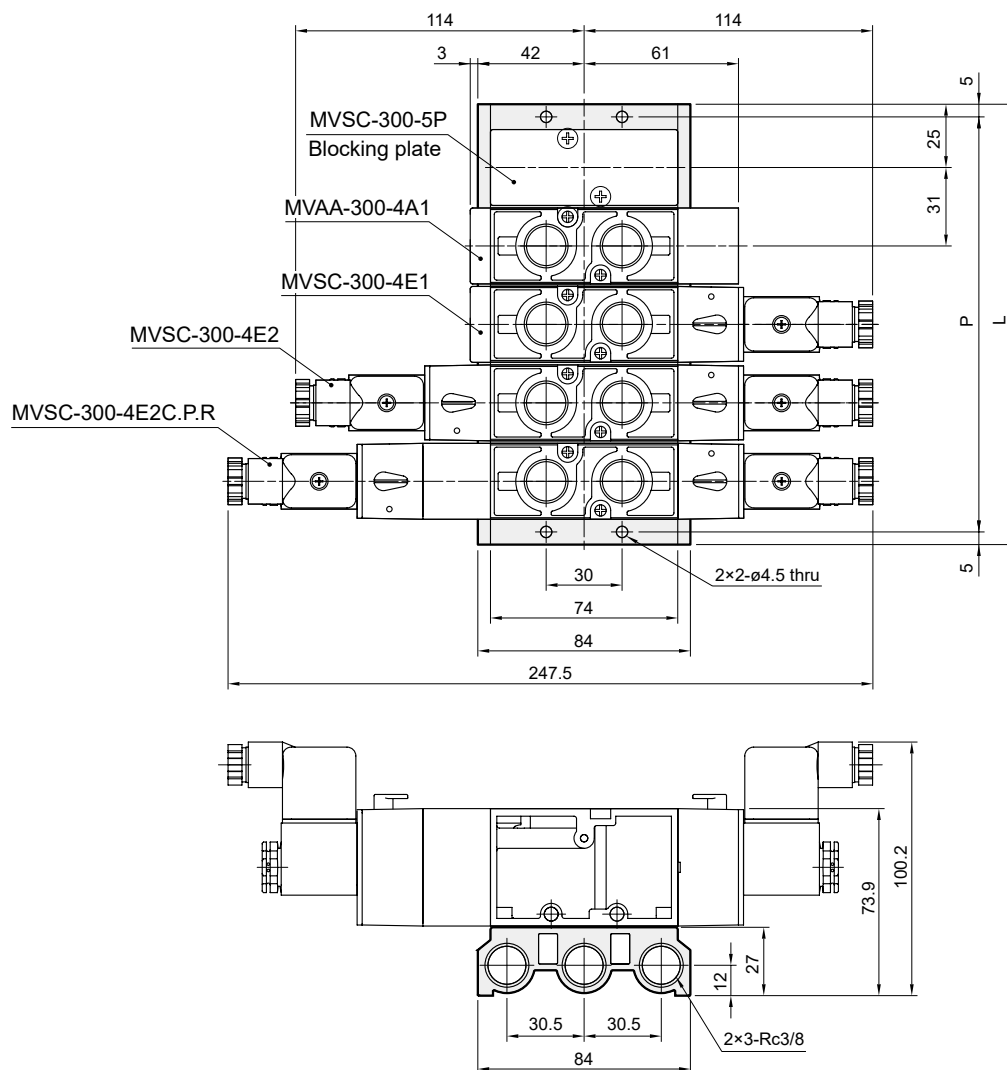
MVSC-300 Manifold

SOLENOID VALVE



MVSC-300-5B*

5 port (for body ported type)



No. of stations	P	L
1	40	50
2	71	81
3	102	112
4	133	143
5	164	174
6	195	205
7	226	236
8	257	267
9	288	298
10	319	329

P: (No. of stations-1)×31+40
L: (No. of stations-1)×31+50