

MVSE-300 series

SOLENOID VALVE



Inner structure



Selection table



Blocking plate



Technical data



Caution for safety
(Read before installing)



Specification

Model		4E1	4E2	4E2 C.P.R
Bore No.		10A		
Port size		3/8		
No. of port		5		
No. of position		2		3
Medium		Air		
Operating perssure range		0.2~1.2 MPa		0.3~1.2 MPa
Proof pressure		1.5 MPa		
Effective orifice		35 mm ²		34.5 mm ²
Reponse time		50 ms		
Ambient temperature		-5~+50℃ (No freezing)		
Voltage		AC110V, 220V (50/60)Hz, DC24V		
Power consumption	Standard	AC=4.8/4.4VA, 6/4.9VA, DC=2W		
	Power saving	DC=Start: 2W(*) Power saving: 0.5W		
Available voltage range		±10%		
Insulation class		F class		
Weight (g)	Valve	406	508	577
	Manifold	95.5n+35 (n: Stations)		

* Power saving covert time 100ms.

Order example of valve

MVSE — 300 — 4E2C — AC110 — L — G

MODEL

BODY WIDTH

VOLTAGE

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

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

PORT THREAD

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

Order example of manifold

MVSE — 300 — 5B3 — G

MODEL

MANIFOLD

5B: 5 port
(for body ported type)

STATION

1~17

PORT THREAD

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

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

Table 1

Property for explosion-proof type

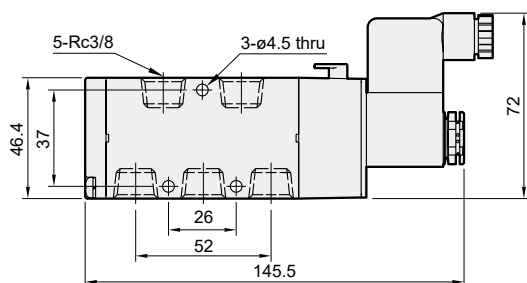
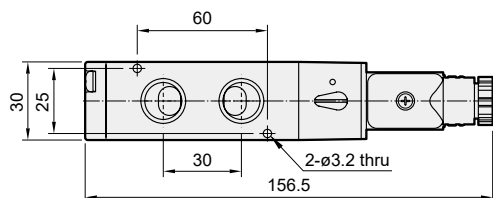
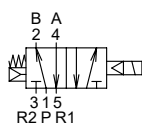
Anti-explosion class	Ex mb IIC T4 Gb
Voltage	AC110V / 220V(50/60)Hz, DC24V
Power consumption	AC110V=4.5VA, AC220V=4.8VA, DC=5W
Available voltage range	±10%
Insulation class	F class
Wire length	3 m

MVSE-300 Dimensions

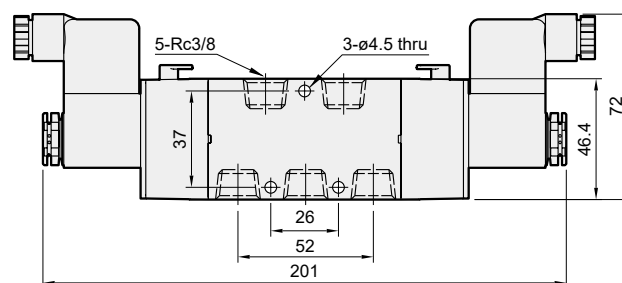
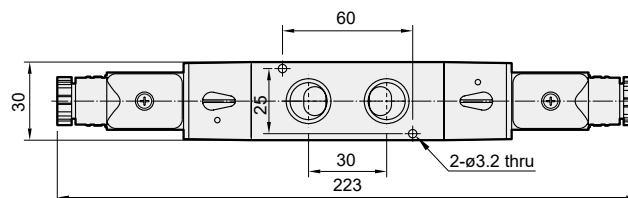
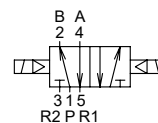
SOLENOID VALVE



MVSE-300-4E1

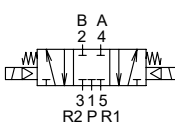


MVSE-300-4E2

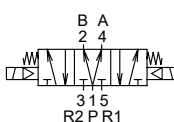


MVSE-300-4E2C.PR

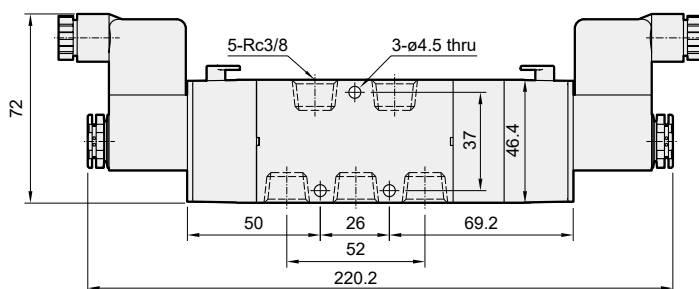
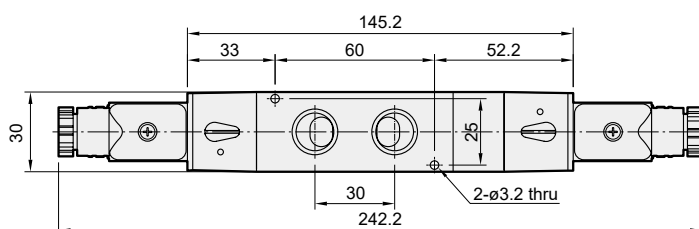
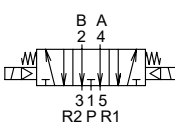
MVSE-300-4E2C



MVSE-300-4E2P

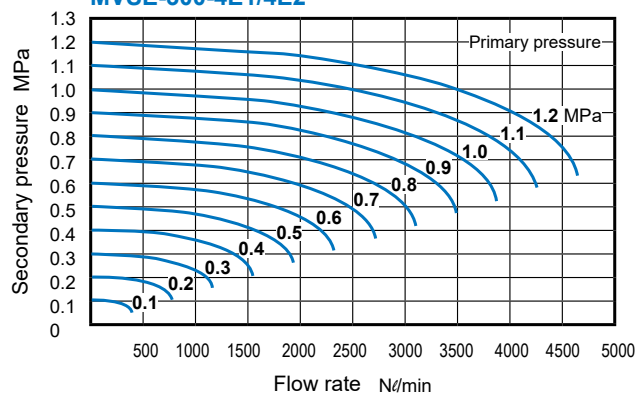


MVSE-300-4E2R



Flow features

MVSE-300-4E1/4E2



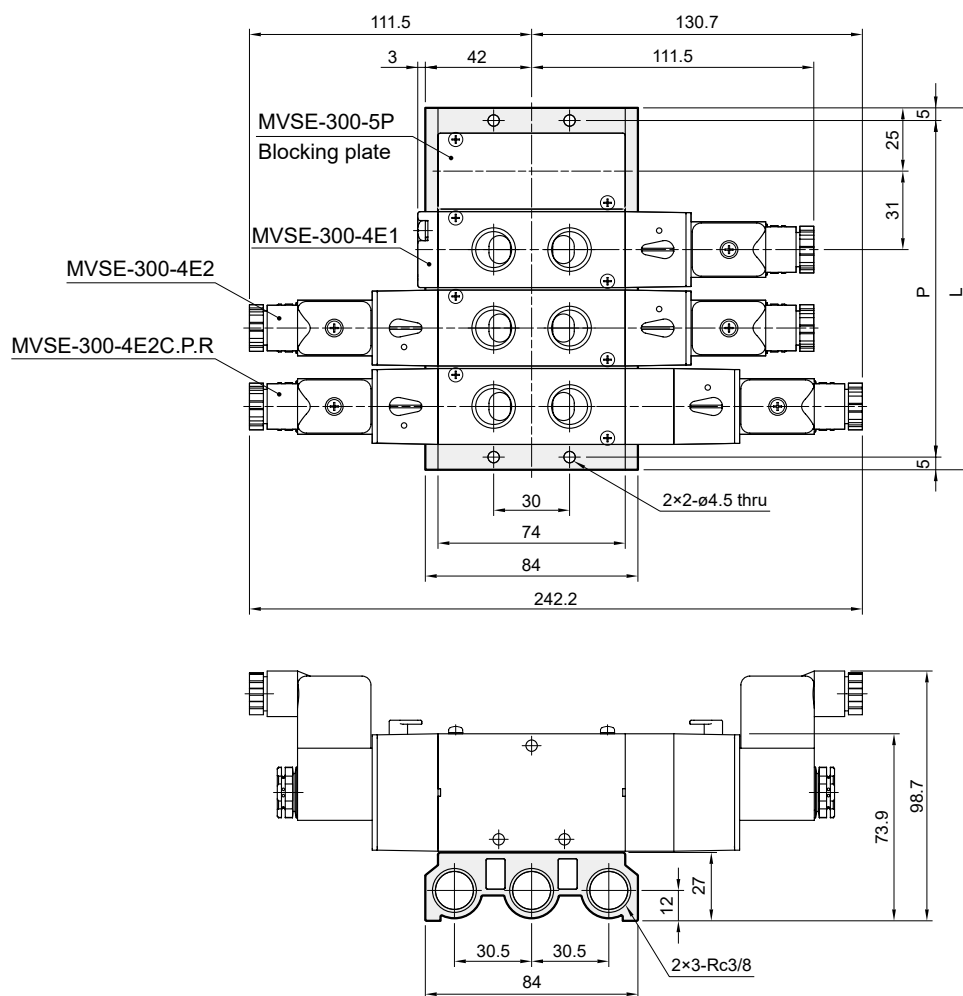
MVSE-300 Manifold

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MVSE-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