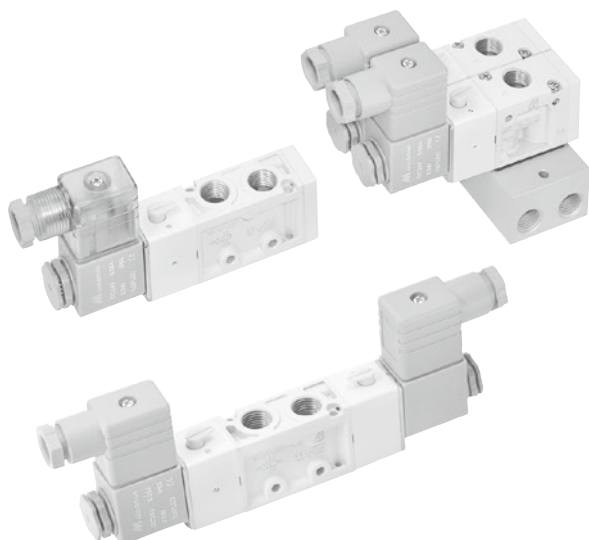


MVSC-220 series

SOLENOID VALVE



Mindman



Specification

Model	3E1	3E2	4E1	4E2	4E2 C.P.R
Bore No.	8A		6A, 8A		
Port size	Rc1/4		Rc1/8, Rc1/4		
No. of port	3		5		
No. of position	2		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*+0.1)~0.5 MPa				
Proof pressure	1 MPa				
Effective orifice	18 mm ²				16 mm ²
Reponse time	30 ms				40 ms
Ambient temperature	-5~+50°C (No freezing)				
Voltage	AC110V, 220V (50/60)Hz, DC24V				
Power consumption	AC=4.8/4.4VA, 6/4.9VA, DC=2W				
Available voltage range	±10%				
Insulation class	F class				
Weight	181 g	294 g	198 g	313 g	352 g

* P: Operating pressure

Order example of valve

MVSC — 220M — 4E2C — NC — □ — AC110 — L — LP — G

MODEL

BODY WIDTH

Blank: Body ported type
M: Manifold 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)

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

PORT SIZE
Blank: Rc1/4
6A: Rc1/8
(Only for 4E* & body ported type)

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

ELECTRIC CONNECTION
Blank: DIN terminal
L: DIN terminal with LED indicator
E: Explosion protection (Table 1)
(E type use black coil)

LP: External pilot

PORT THREAD
Blank: Rc thread
G: G thread
NPT: NPT thread
(Only for body ported type)

Table 1

Property for explosion-proof type

Anti-explosion class	EEx m II T4
Voltage	AC110V. 220V.(50/60)Hz. DC24V.
Power consumption	AC=4.4VA DC=5W
Available voltage range	±10%
Insulation class	F class
Wire length	3 m

Order example of manifold

MVSC — 220M — 5M3 — G

MODEL

Blank: Body ported type
M: Manifold type

MANIFOLD
3B: 3 port (for body ported type)
3M: 3 port (for manifold type)
5B: 5 port (for body ported type)
5M: 5 port (for manifold type)

MANIFOLD NUMBER
1, 2, 3...

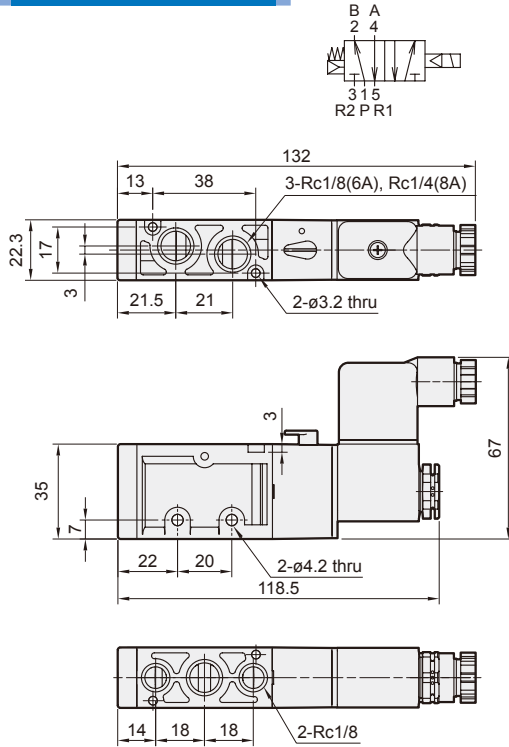
PORT THREAD
Blank: Rc thread
G: G thread
NPT: NPT thread

MVSC-220 Dimensions

SOLENOID VALVE

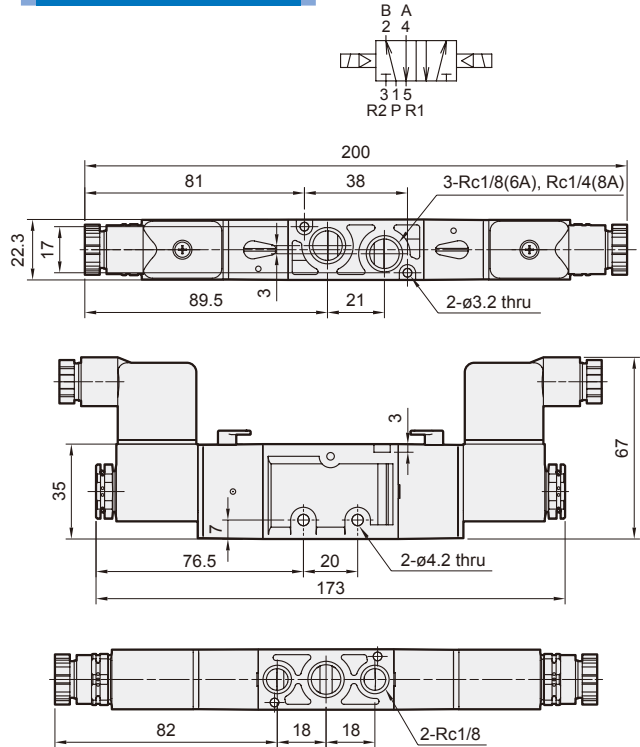


MVSC-220-4E1



MVSC-220-4E2

MVSC-220-4E2

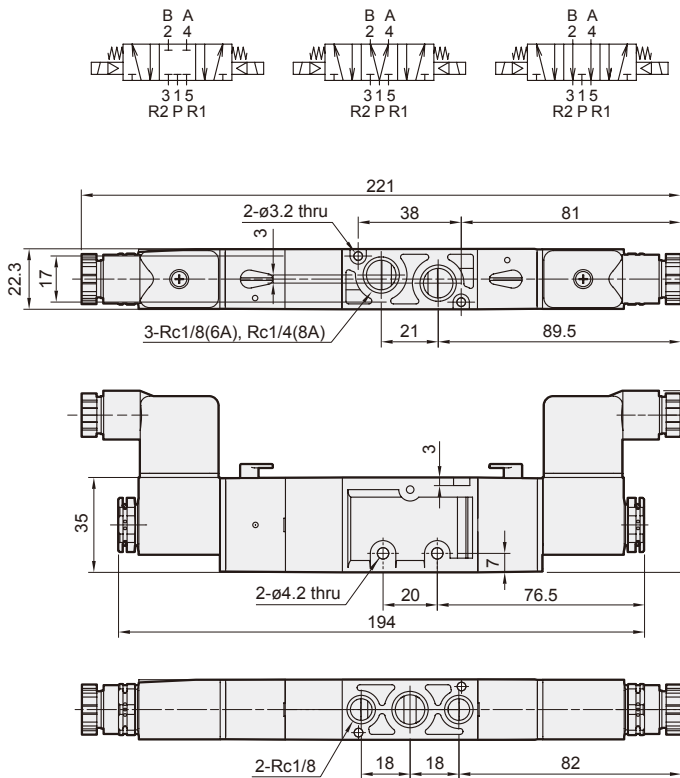


MVSC-220-4E2C.PR

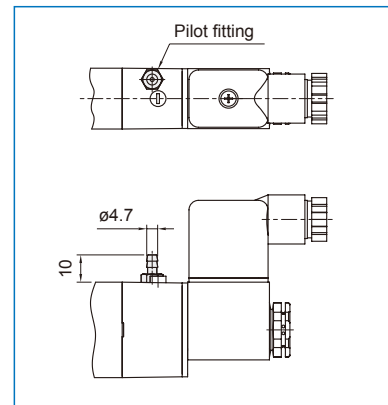
MVSC-220-4E2C

MVSC-220-4E2P

MVSC-220-4E2R

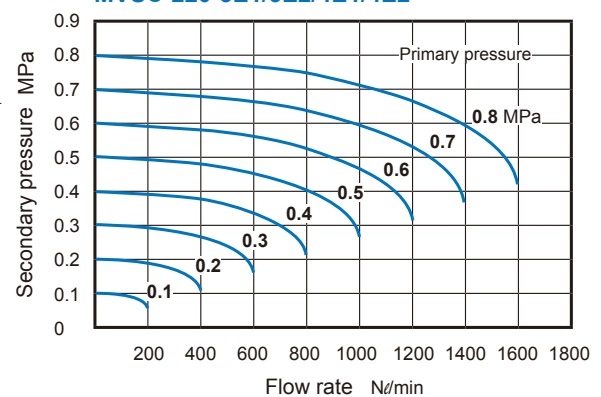


LP



Flow features

MVSC-220-3E1/3E2/4E1/4E2

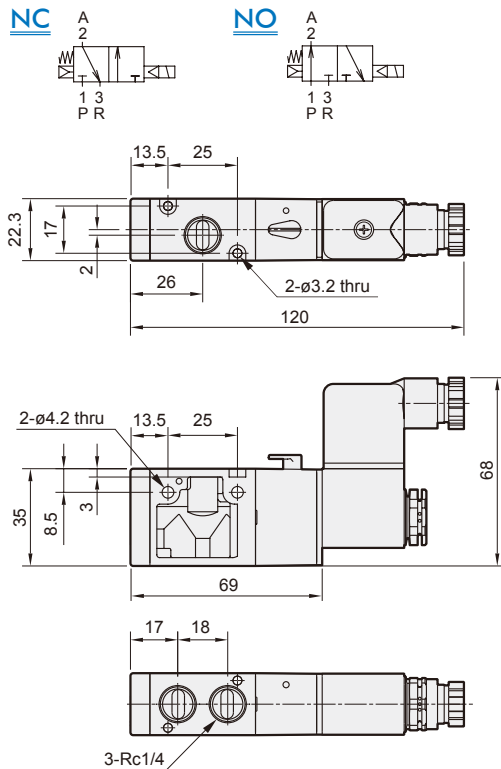


MVSC-220 Dimensions

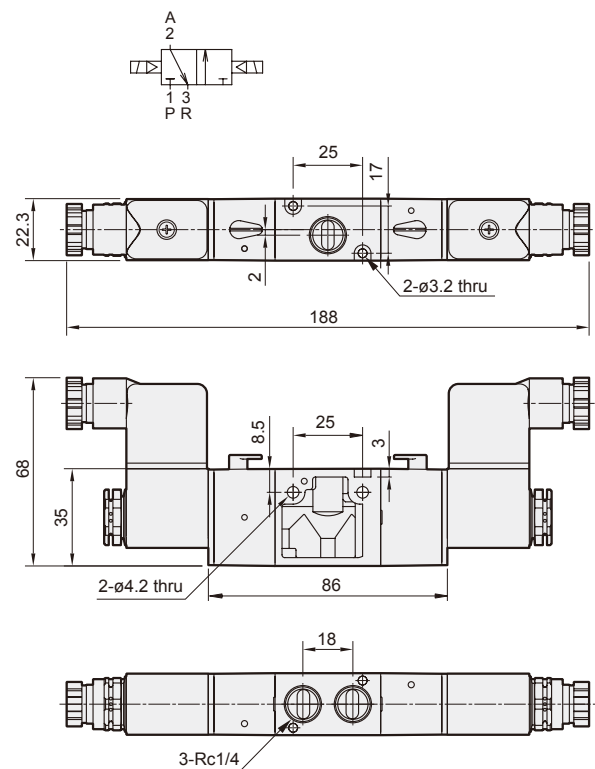
SOLENOID VALVE



MVSC-220-3E1-NC/NO



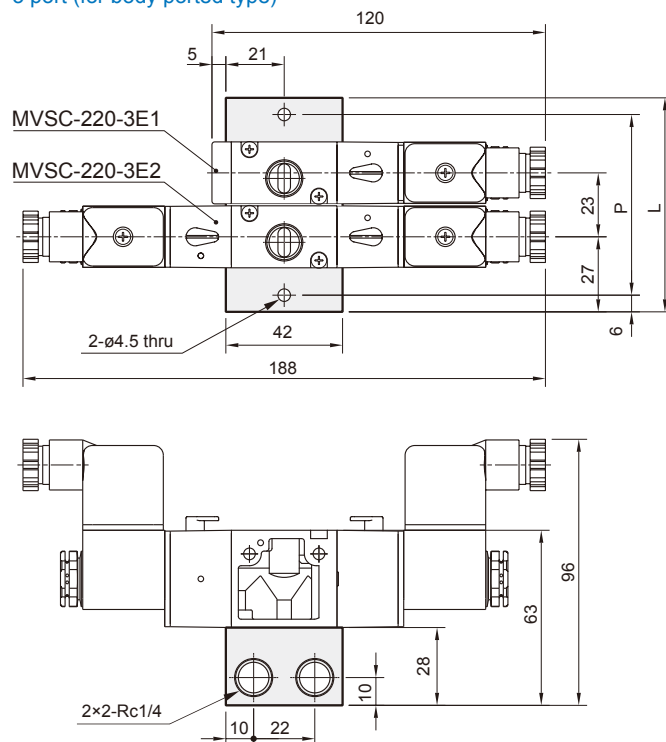
MVSC-220-3E2



Manifold of solenoid valve

MVSC-220-3B*

3 port (for body ported type)



No. of stations	P	L
2	65	77
3	88	100
4	111	123
5	134	146
6	157	169
7	180	192
8	203	215
9	226	238
10	249	261

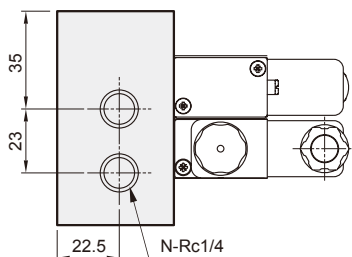
MVSC-220 Manifold

SOLENOID VALVE

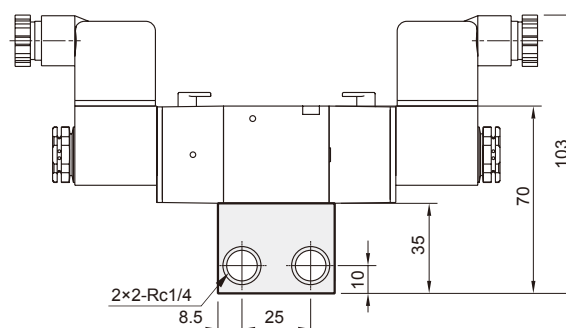
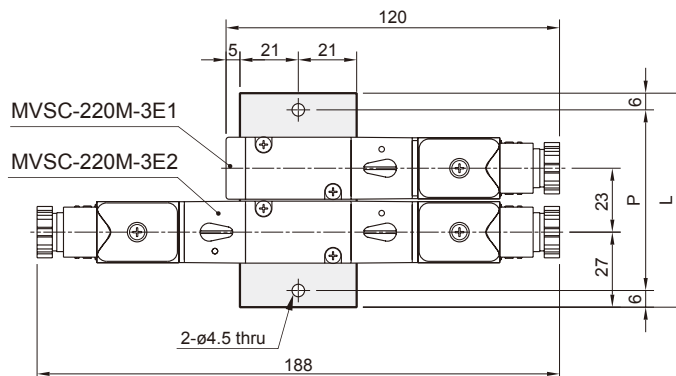


MVSC-220M-3M*

3 port (for manifold type)

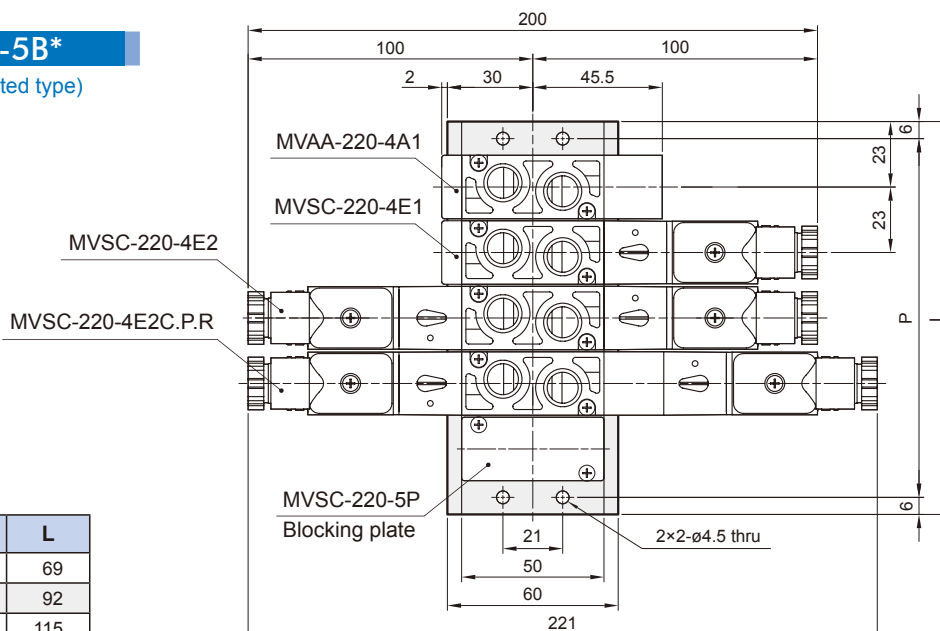


No. of stations (N)	P	L
2	65	77
3	88	100
4	111	123
5	134	146
6	157	169
7	180	192
8	203	215
9	226	238
10	249	261

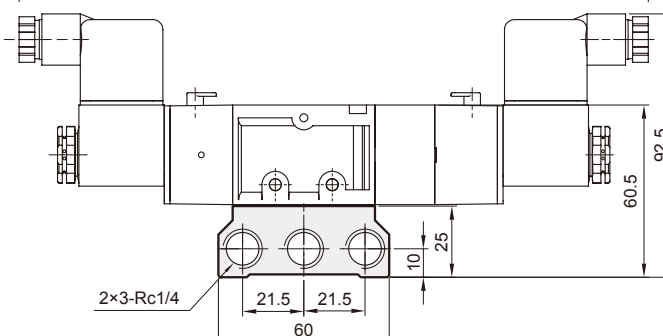


MVSC-220-5B*

5 port (for body ported type)



No. of stations	P	L
2	57	69
3	80	92
4	103	115
5	126	138
6	149	161
7	172	184
8	195	207
9	218	230
10	241	253



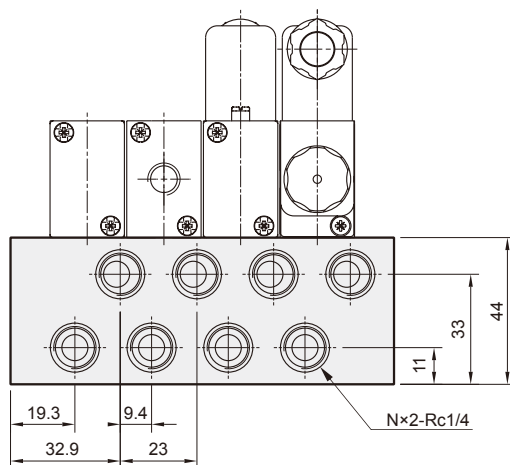
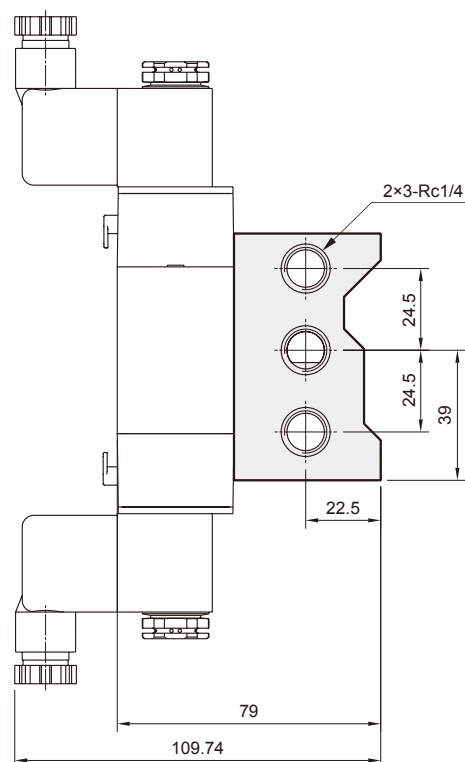
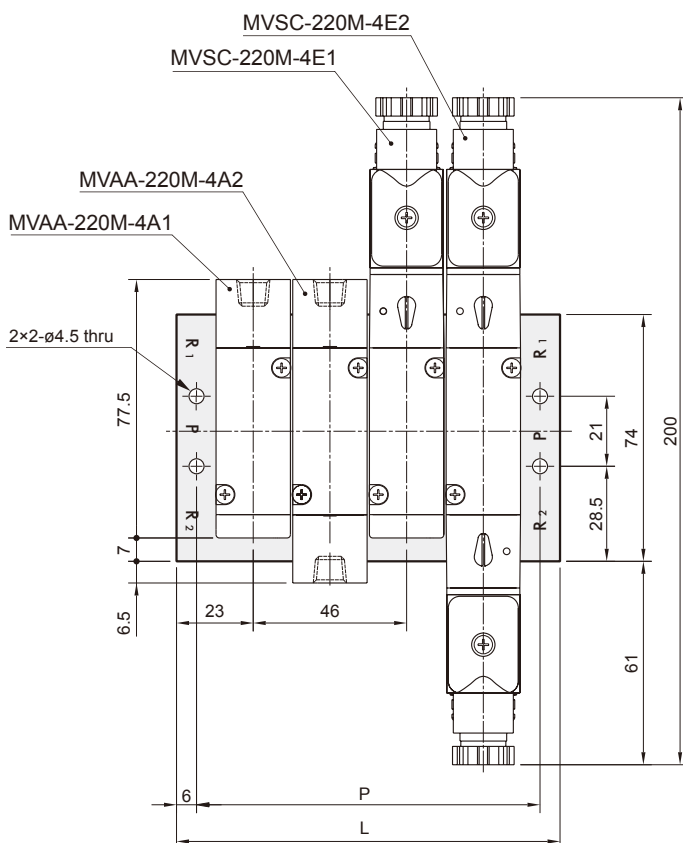
MVSC-220 Manifold

SOLENOID VALVE



MVSC-220M-5M*

5 port (for manifold type)



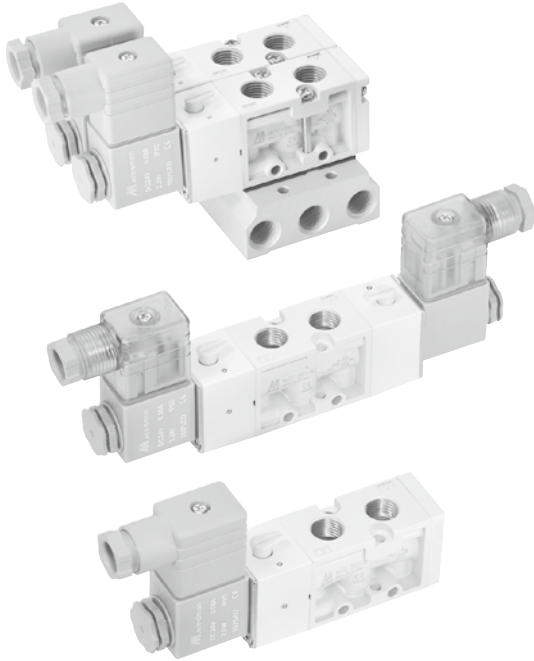
No. of stations (N)	P	L
2	57	69
3	80	92
4	103	115
5	126	138
6	149	161
7	172	184
8	195	207
9	218	230
10	241	253

MVSC-260 series

SOLENOID VALVE



Mindman



Specification

Model	4E1	4E2	4E2 C.P.R
Bore No.	8A		
Port size	Rc1/4		
No. of port	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*+0.1)~0.5 MPa		
Proof pressure	1 MPa		
Effective orifice	18 mm ²		16 mm ²
Reponse time	40 ms		
Ambient temperature	-5~+50°C (No freezing)		
Voltage	AC110V, 220V (50/60)Hz, DC24V		
Power consumption	AC=4.8/4.4VA, 6/4.9VA, DC=2W		
Available voltage range	±10%		
Insulation class	F class		
Weight	203 g	322 g	327 g

* P: Operating pressure

Order example of valve

MVSC — 260 — 4E2C — AC110 — L — LP — G

MODEL

BODY WIDTH

VOLTAGE

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

LP: External pilot

PORT THREAD

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

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

Blank: DIN terminal
L: DIN terminal with LED indicator
E: Explosion protection (Table 1)
(E type use black coil)

Order example of manifold

MVSC — 260 — 5B3 — G

MODEL

MANIFOLD

5B: 5 port (for body ported type)

MANIFOLD NUMBER

1, 2, 3...

PORT THREAD

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

Table 1

Property for explosion-proof type

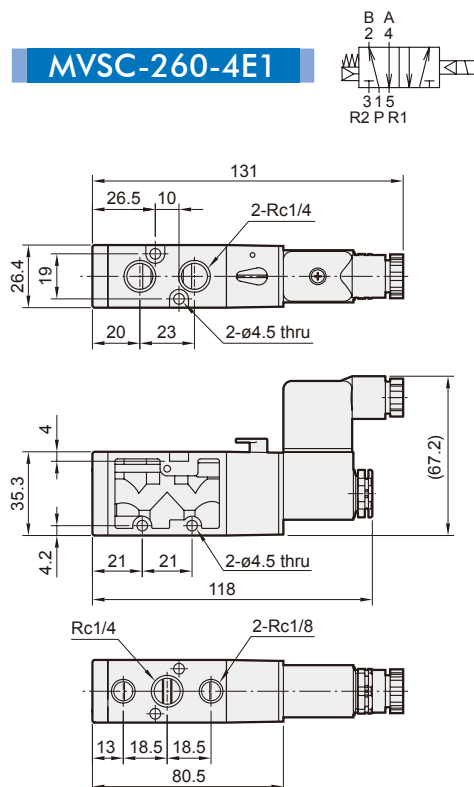
Anti-explosion class	EEx m II T4
Voltage	AC110V, 220V, (50/60)Hz, DC24V.
Power consumption	AC=4.4VA DC=5W
Available voltage range	±10%
Insulation class	F class
Wire length	3 m

MVSC-260 Dimensions

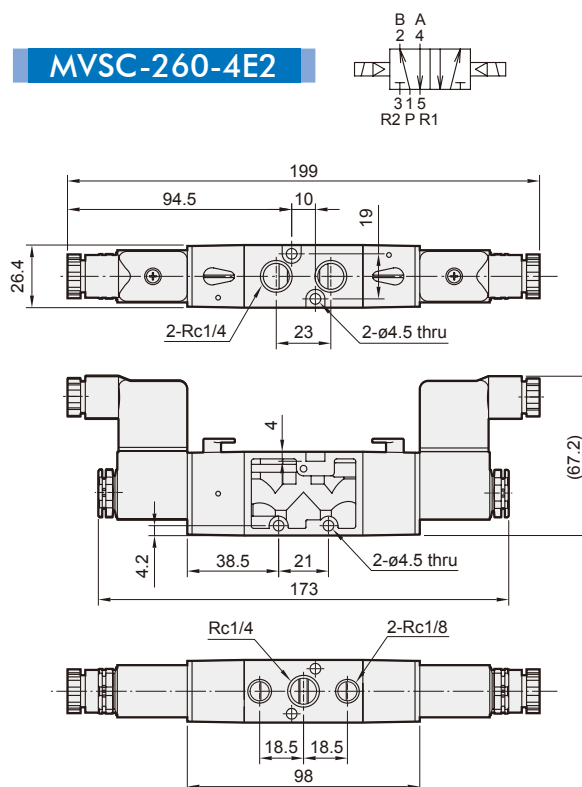
SOLENOID VALVE



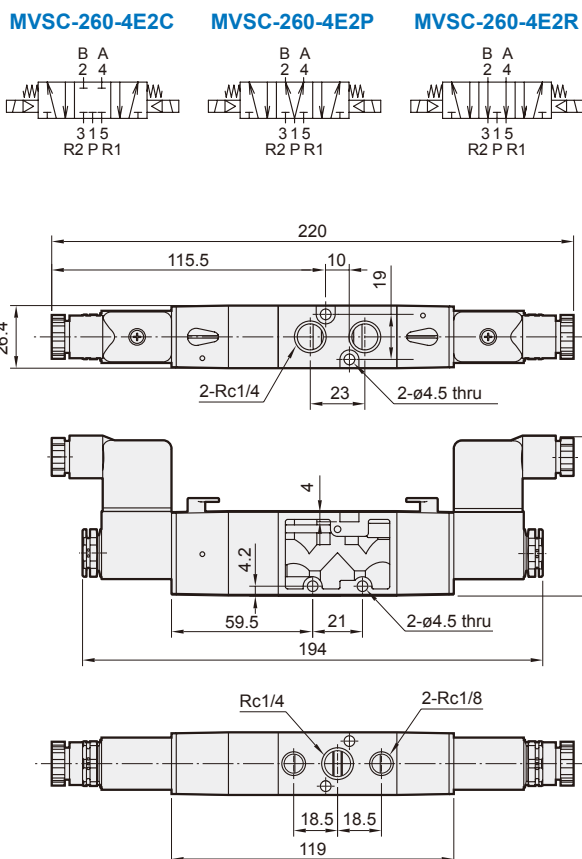
MVSC-260-4E1



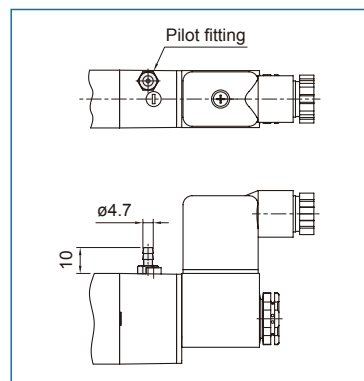
MVSC-260-4E2



MVSC-260-4E2C.P.R

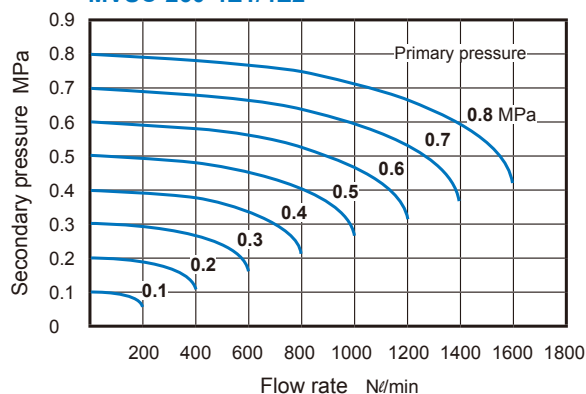


LP



Flow features

MVSC-260-4E1/4E2



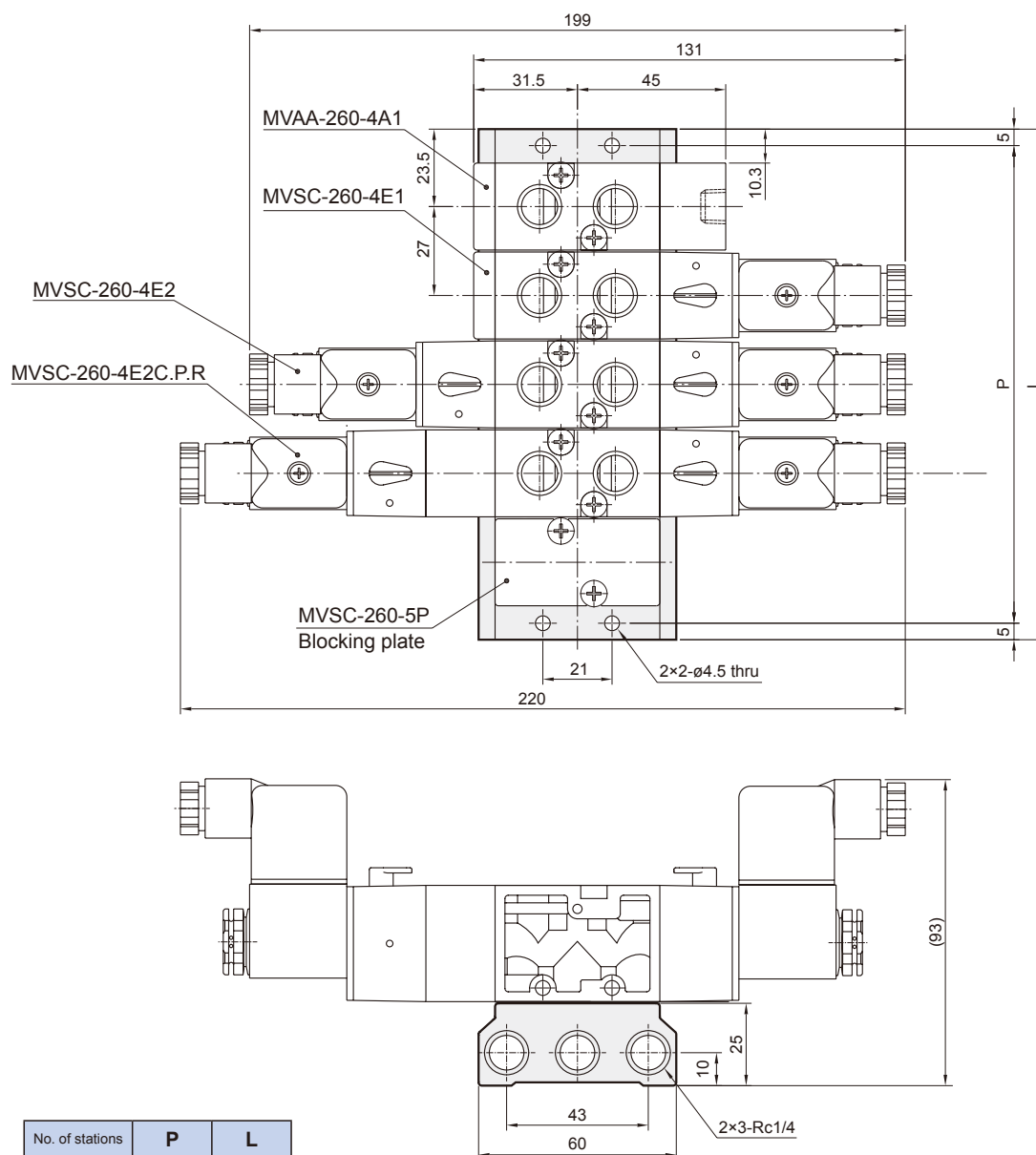
MVSC-260 Manifold

SOLENOID VALVE



MVSC-260-5B*

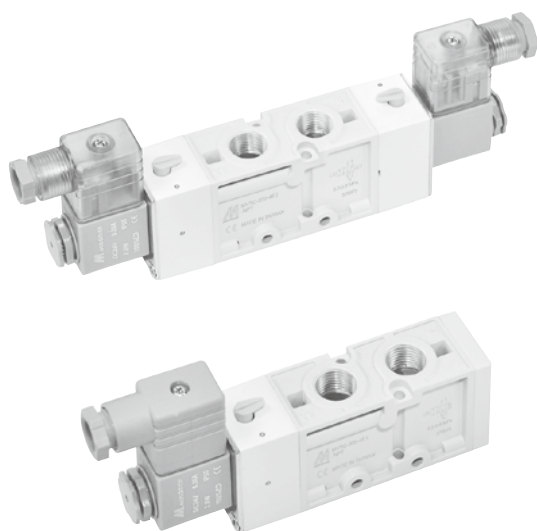
5 port (for body ported type)



No. of stations	P	L
2	64	74
3	91	101
4	118	128
5	145	155
6	172	182
7	199	209
8	226	236
9	253	263
10	280	290

MVSC-300 series

SOLENOID VALVE



Specification

Model	3E1	3E2	4E1	4E2	4E2 C.P.R
Bore No.	10A				
Port size	Rc3/8				
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*+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 (50/60)Hz, DC24V				
Power consumption	AC=4.8/4.4VA, 6/4.9VA, DC=2W				
Available voltage range	±10%				
Insulation class	F class				
Weight	325 g	453 g	320 g	444 g	505 g

* P: Operating pressure

Order example of valve

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

MODEL

BODY WIDTH

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

E1: Single Solenoid
E2: Double Solenoid

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

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

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

LP: External pilot

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

ELECTRIC CONNECTION
Blank: DIN terminal
L: DIN terminal with LED indicator
E: Explosion protection (Table 1)
(E type use black coil)

Order example of manifold

MVSC — 300 — 3B3 — G

MODEL

MANIFOLD
3B: 3 port (for body ported type)
5B: 5 port (for body ported type)

MANIFOLD NUMBER
1, 2, 3...

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

Table 1

Property for explosion-proof type

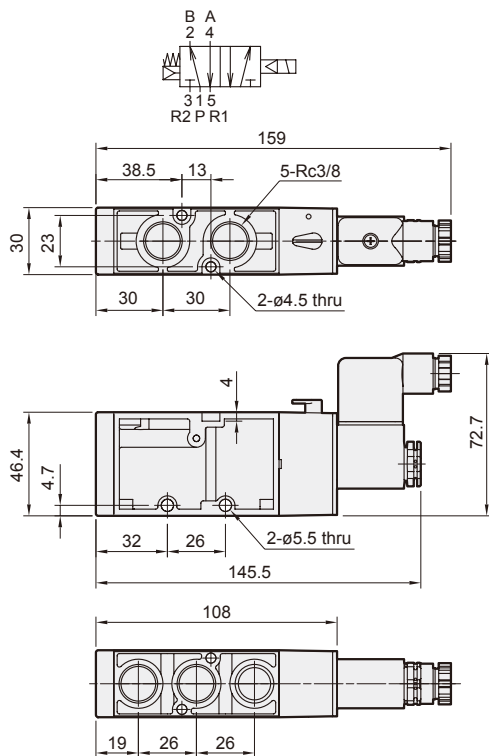
Anti-explosion class	EEx m II T4
Voltage	AC110V, 220V, (50/60)Hz, DC24V.
Power consumption	AC=4.4VA DC=5W
Available voltage range	±10%
Insulation class	F class
Wire length	3 m

MVSC-300 Dimensions

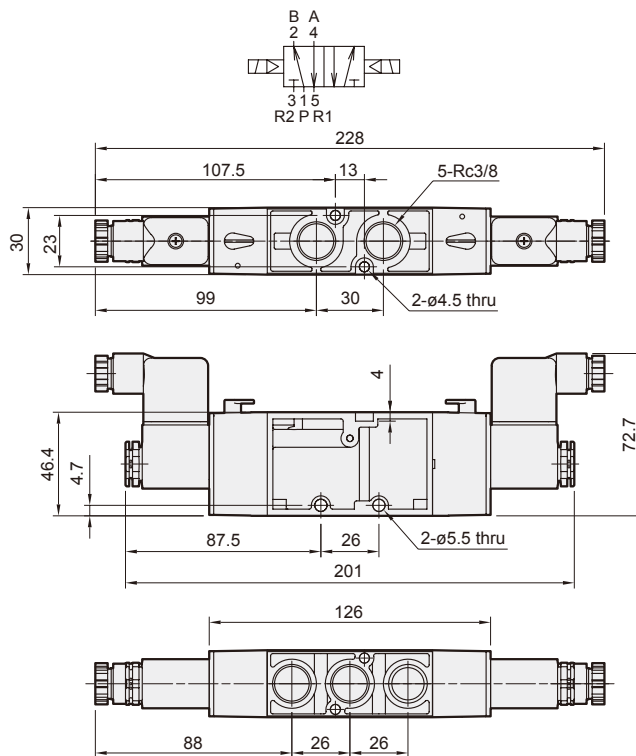
SOLENOID VALVE



MVSC-300-4E1



MVSC-300-4E2

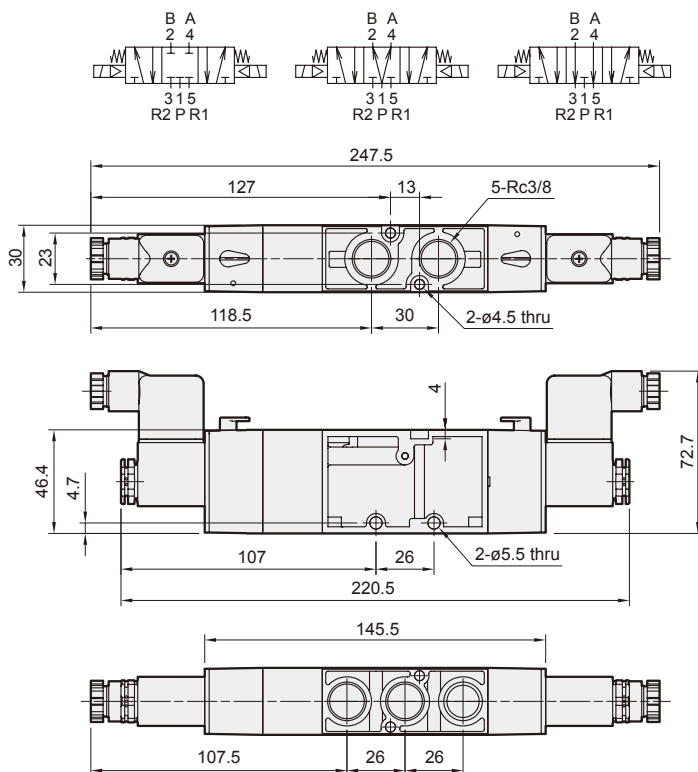


MVSC-300-4E2C.PR

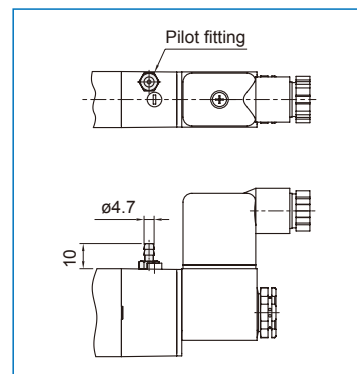
MVSC-300-4E2C

MVSC-300-4E2P

MVSC-300-4E2R

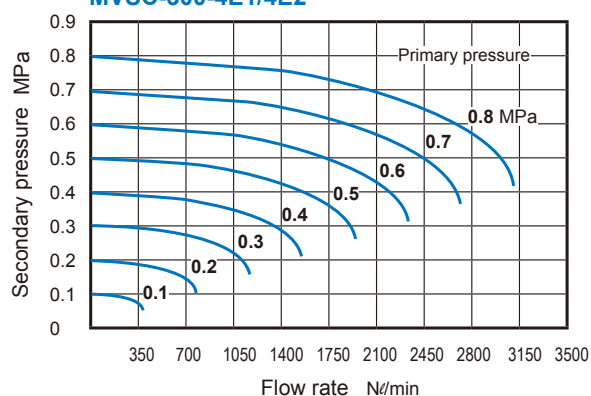


LP



Flow features

MVSC-300-4E1/4E2

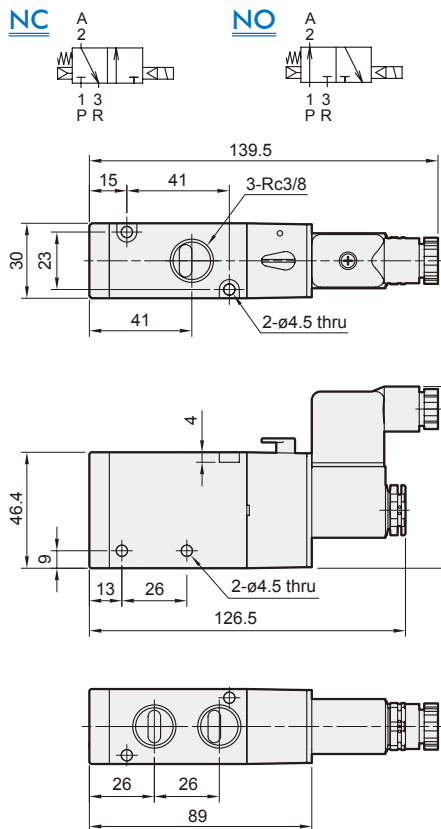


MVSC-300 Dimensions

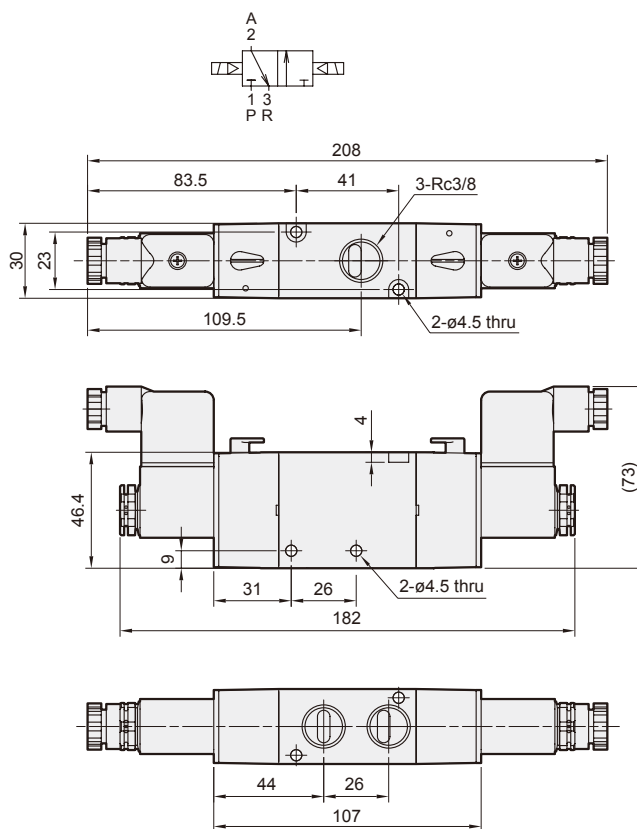
SOLENOID VALVE



MVSC-300-3E1-NC/NO



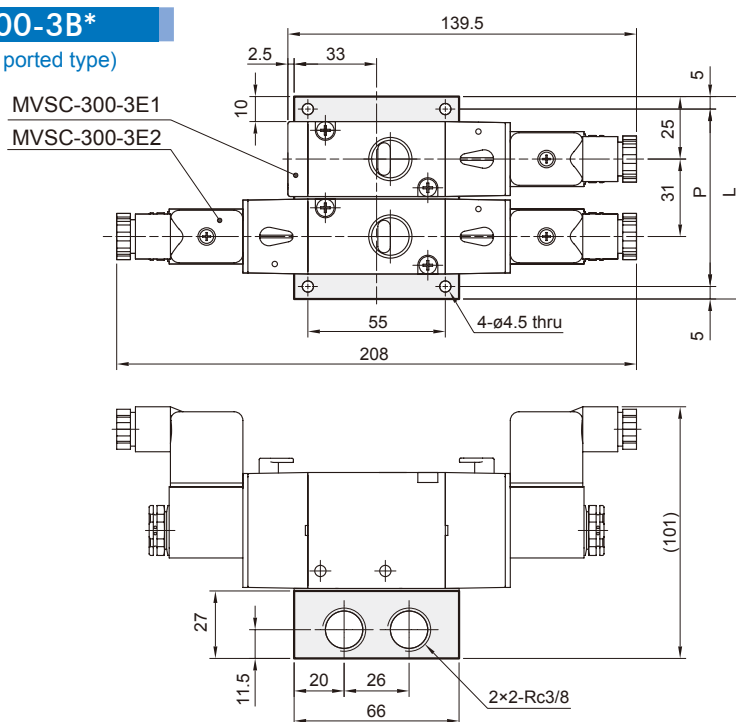
MVSC-300-3E2



Manifold of solenoid valve

MVSC-300-3B*

3 port (for body ported type)



No. of stations	P	L
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

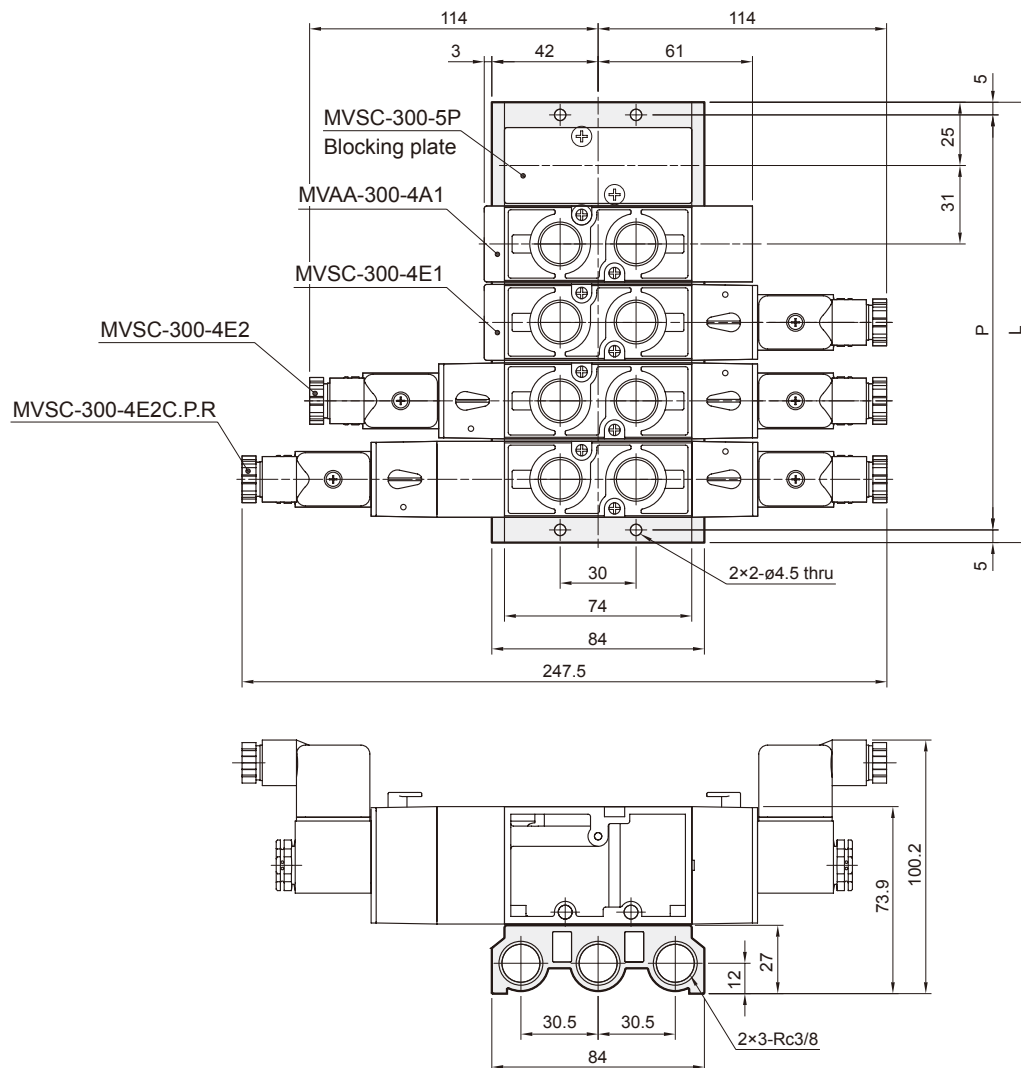
MVSC-300 Manifold

SOLENOID VALVE



MVSC-300-5B*

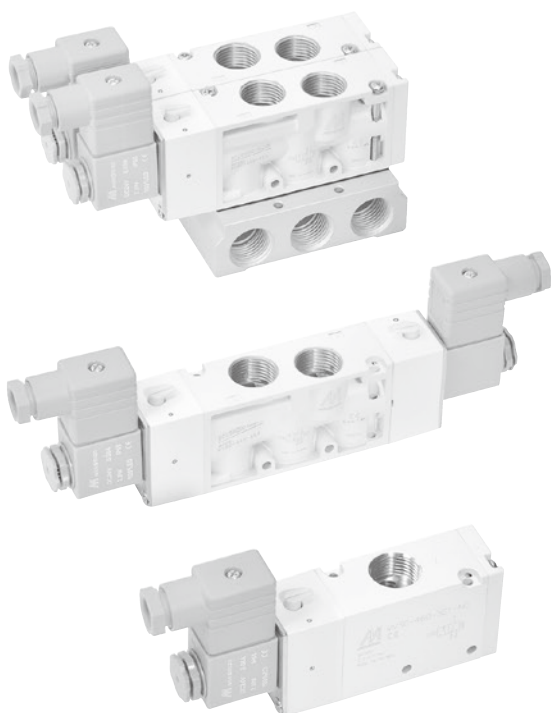
5 port (for body ported type)



No. of stations	P	L
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

MVSC-460 series

SOLENOID VALVE

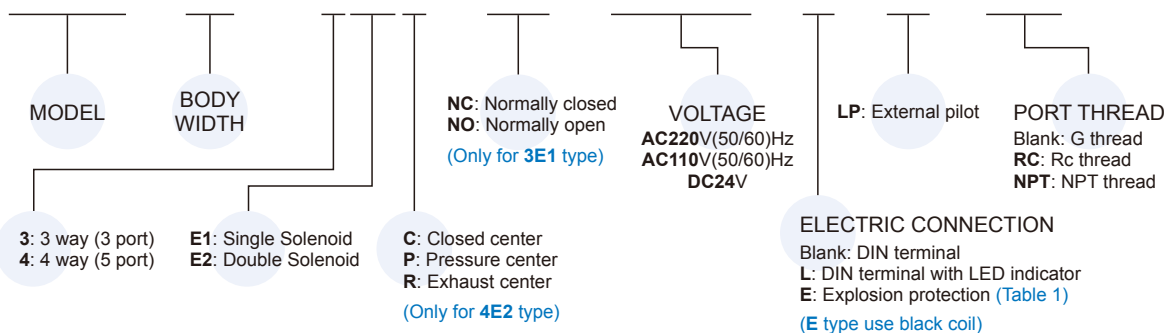


Specification

Model	3E1	3E2	4E1	4E2	4E2 C.P.R
Bore No.	15A				
Port size	G1/2				
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				
External pilot pressure (LP)	0.2~0.8 MPa				0.3~0.8 MPa
Proof pressure	1 MPa				
Effective orifice	60 mm ²		50 mm ²		30 mm ²
Reponse time	50 ms				
Ambient temperature	-5~+50°C (No freezing)				
Voltage	AC110V, 220V (50/60)Hz, DC24V				
Power consumption	AC=4.8/4.4VA, 6/4.9VA, DC=2W				
Available voltage range	±10%				
Insulation class	F class				
Weight	325 g	455 g	339 g	464 g	525 g

Order example of valve

MVSC — 460 — 4E2C — NC — AC110 — L — LP — NPT



Order example of manifold

MVSC — 460 — 5B3 — NPT

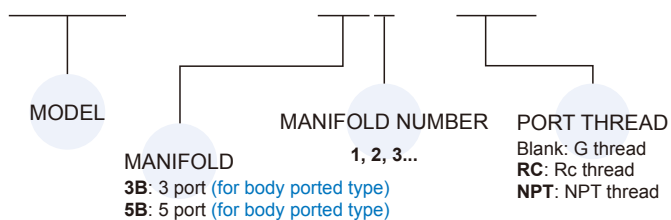


Table 1

Property for explosion-proof type

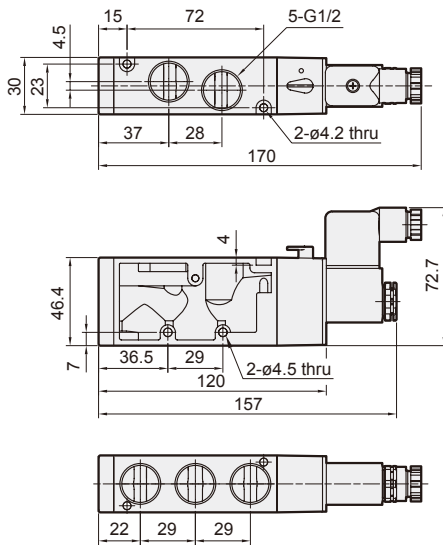
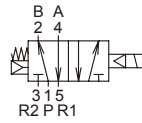
Anti-explosion class	EEx m II T4
Voltage	AC110V, 220V, (50/60)Hz, DC24V.
Power consumption	AC=4.4VA DC=5W
Available voltage range	±10%
Insulation class	F class
Wire length	3 m

MVSC-460 Dimensions

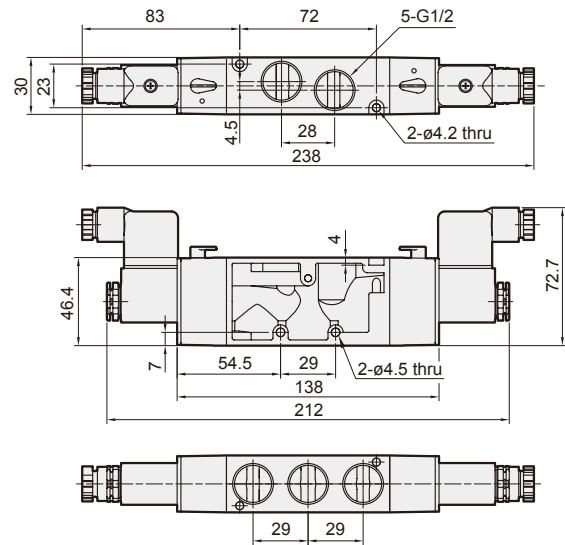
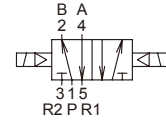
SOLENOID VALVE



MVSC-460-4E1



MVSC-460-4E2

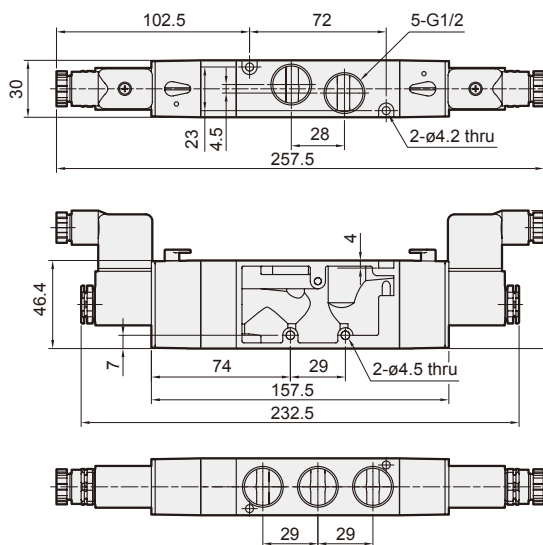
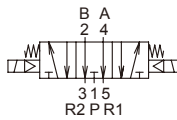
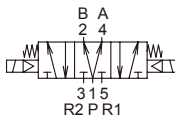
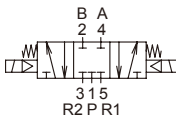


MVSC-460-4E2C.P.R

MVSC-460-4E2C

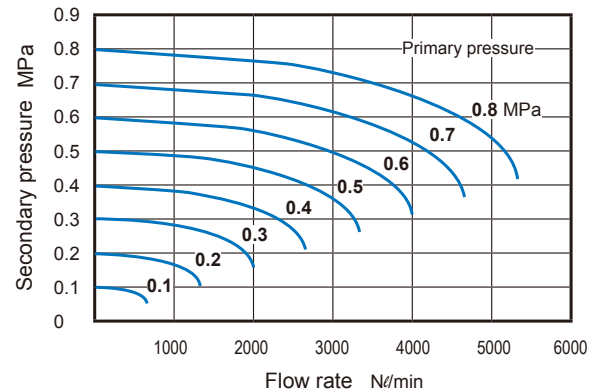
MVSC-460-4E2P

MVSC-460-4E2R

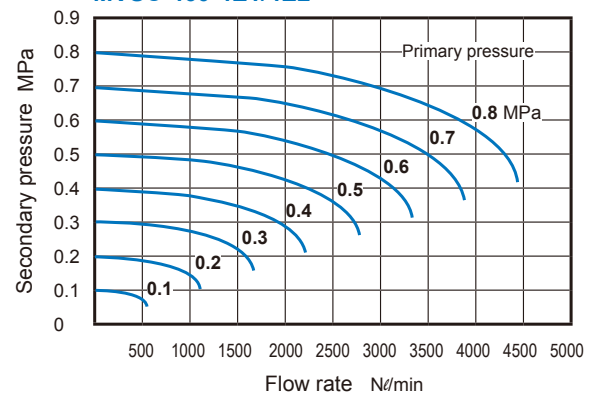


Flow features

MVSC-460-3E1/3E2



MVSC-460-4E1/4E2



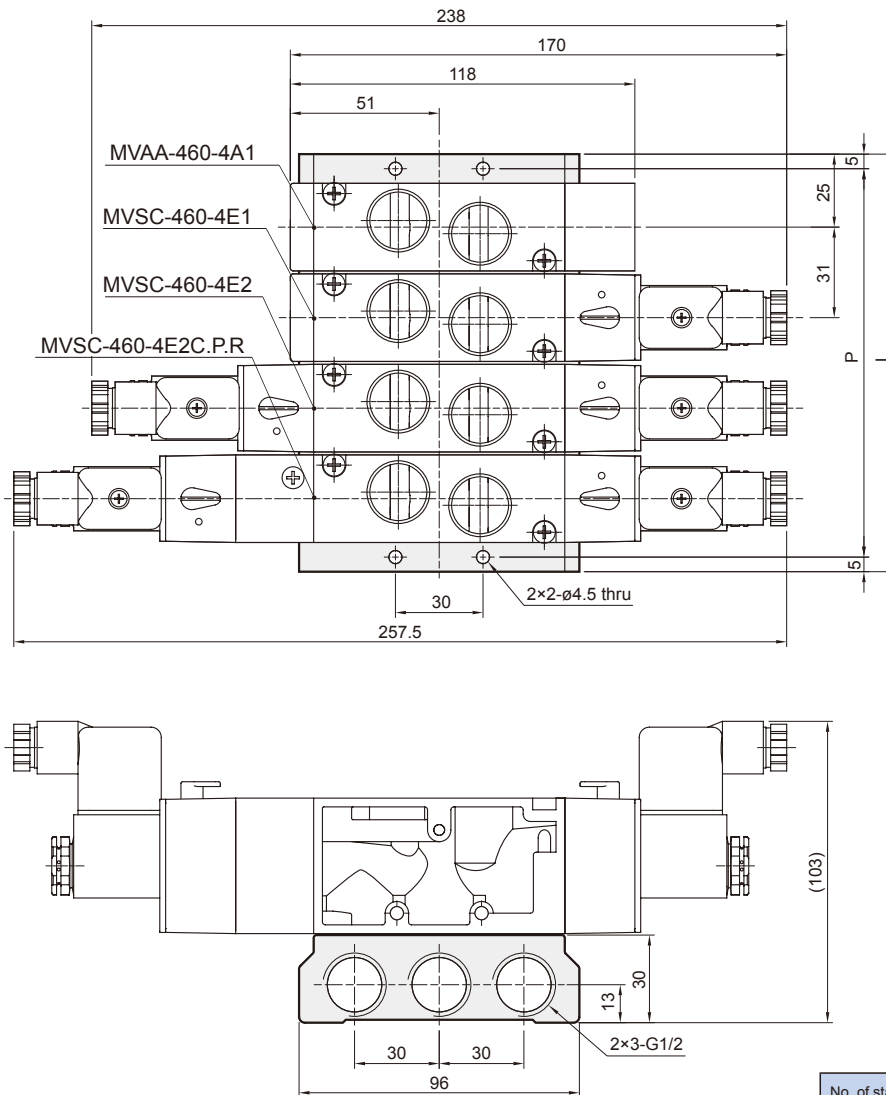
MVSC-460 Manifold

SOLENOID VALVE



MVSC-460-5B*

5 port (for body ported type)



No. of stations	P	L
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