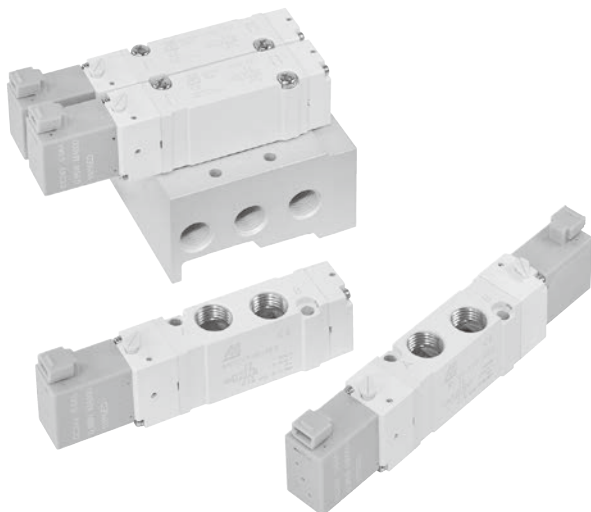


MVSP-188 series

SOLENOID VALVE



mindman



Specification

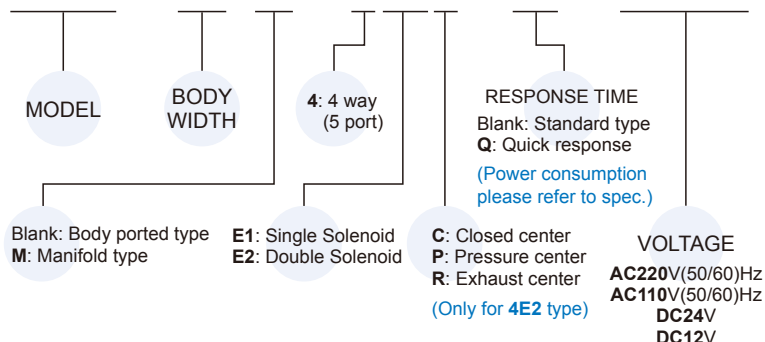
* Refer to page 1-21 for feature.

Model		4E1	4E2	4E2 C.P.R
Port size		Rc1/4		
No. of port / position		5 / 2		5 / 3
Medium		Air		
Operating perssure range		0.15~0.7 MPa		0.2~0.7 MPa
Proof pressure		1 MPa		
Effective orifice	Body ported	15 mm ²		16.3 / 27 / 12.4 mm ²
	Manifold	13 mm ²		13.5 / 18.4 / 11 mm ²
Response time	Standard	AC<35 ms, DC<23 ms		AC<45 ms, DC<33 ms
	Quick response*	AC<32 ms, DC<20 ms		AC<42 ms, DC<30 ms
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		96 g	132 g	142 g

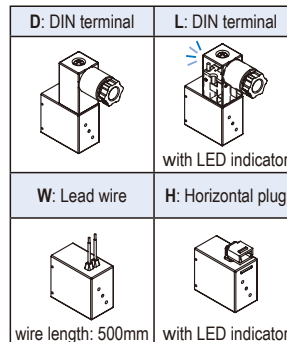
* For quick response type, it cannot be energized for more than 30 minutes.

Order example of valve

MVSP — 188M — 4E2C — □ — AC110 — H1 — G



ELECTRIC CONNECTION



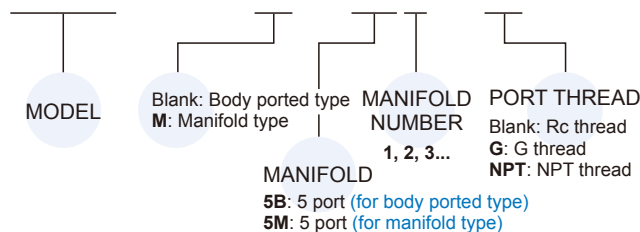
PORT THREAD

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

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

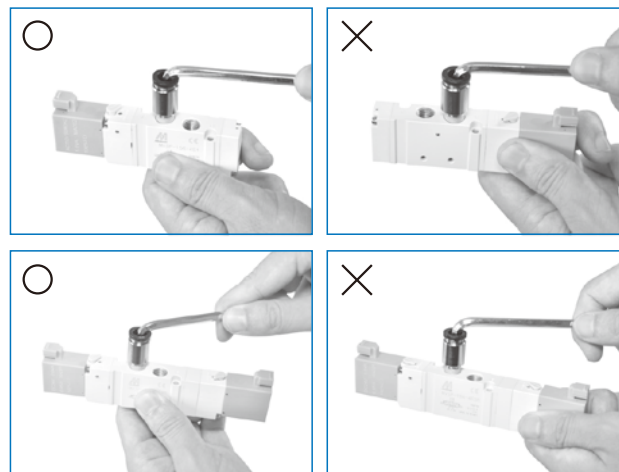
Order example of manifold

MVSY — 188M — 5B3 — G



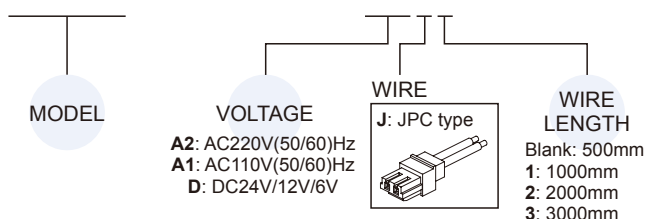
Caution

Prohibit apply force to coil when tighten the tube fitting.



Order example of wire

MVDY — 100 — WA2J2



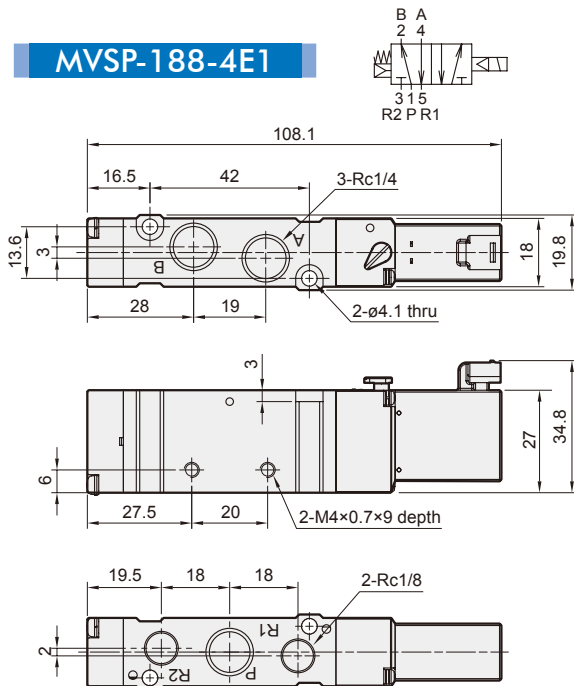
* Use the same wire with MVDY.
* Only for "H: Horizontal plug".

MVSP-188 Dimensions

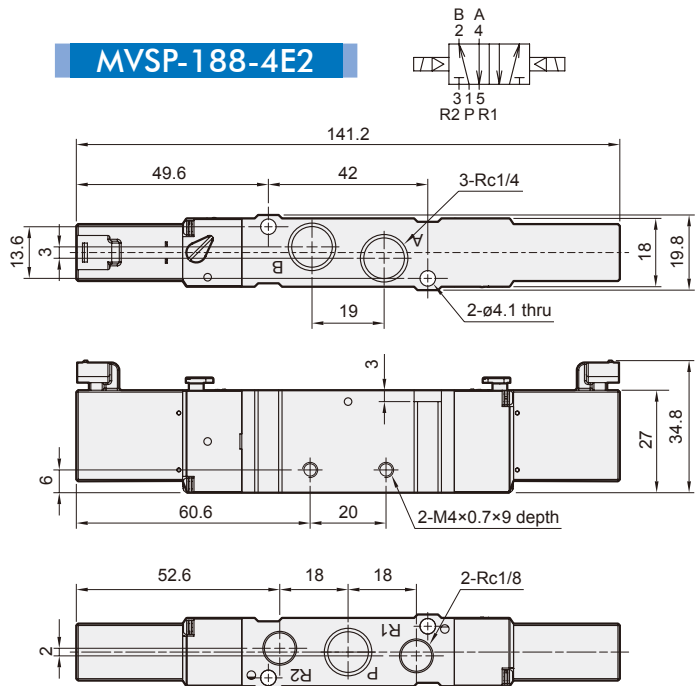
SOLENOID VALVE



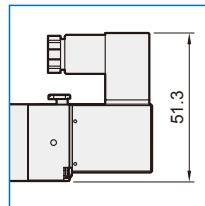
MVSP-188-4E1



MVSP-188-4E2



DIN terminal /
DIN terminal with
LED indicator

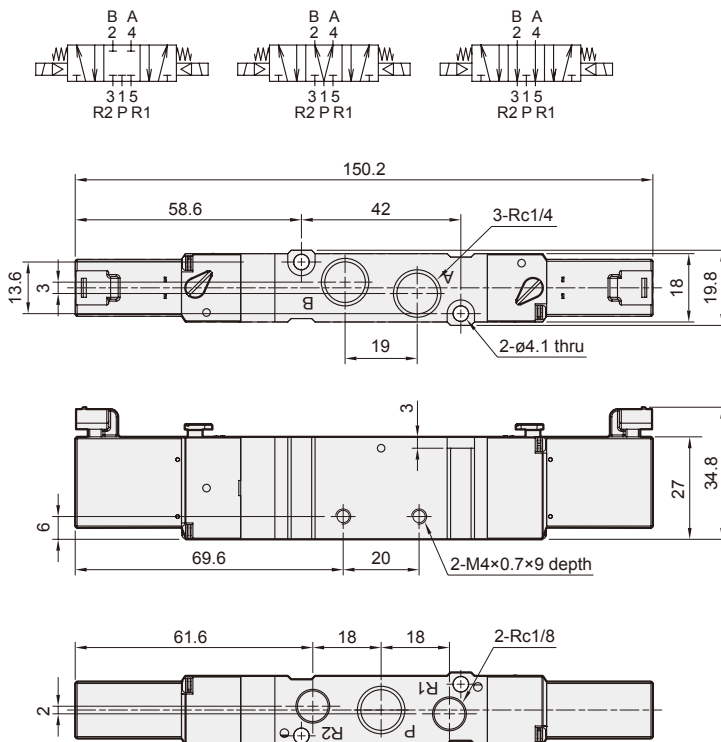


MVSP-188-4E2C.PR

MVSP-188-4E2C

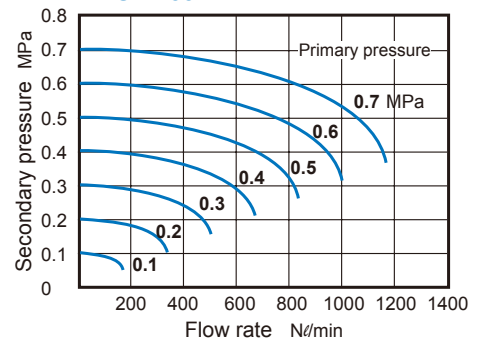
MVSP-188-4E2P

MVSP-188-4E2R

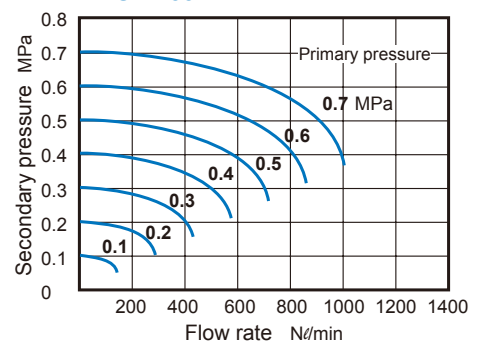


Flow features

MVSP-188-4E1/4E2



MVSP-188M-4E1/4E2

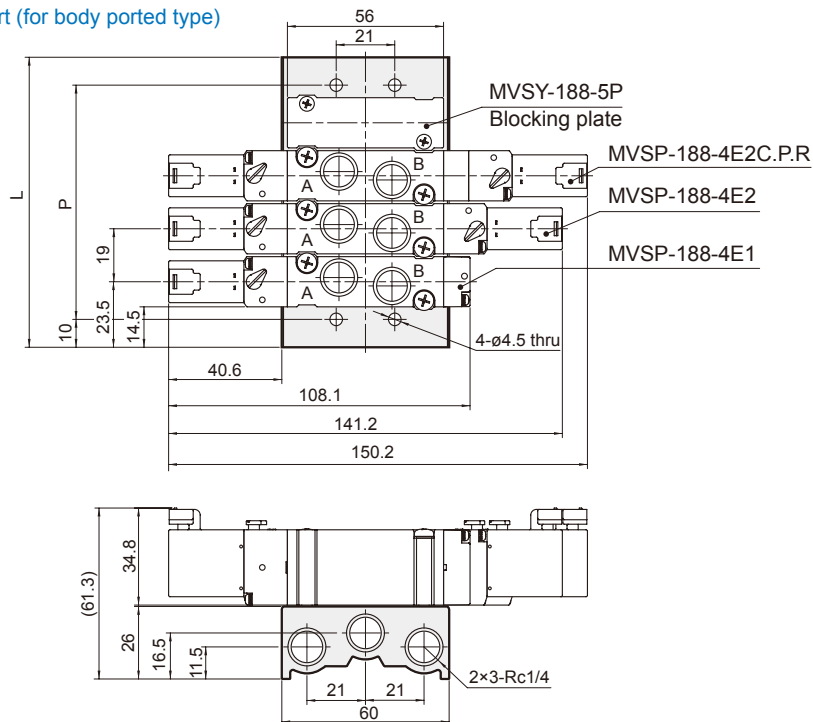


SOLENOID VALVE



MVSY-188-5B*

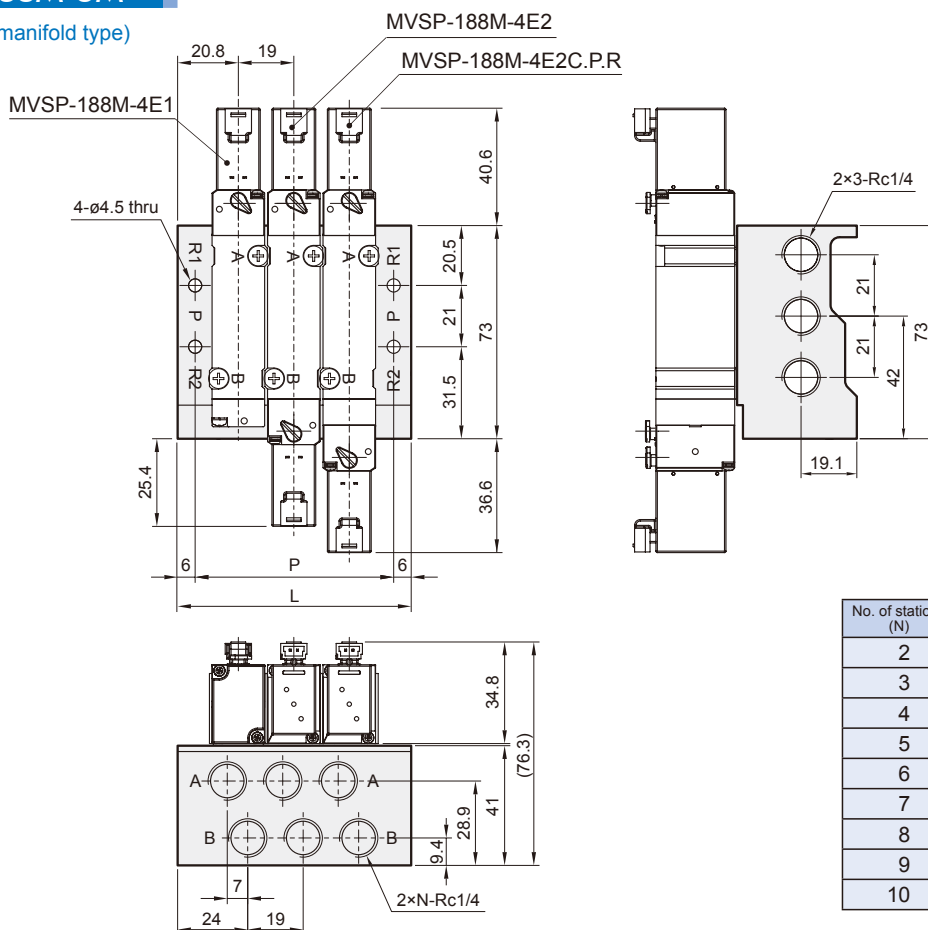
5 port (for body ported type)



No. of stations	P	L
2	46	66
3	65	85
4	84	104
5	103	123
6	122	142
7	141	161
8	160	180
9	179	199
10	198	218

MVSY-188M-5M*

5 port (for manifold type)



No. of stations (N)	P	L
2	49	61
3	68	80
4	87	99
5	106	118
6	125	137
7	144	156
8	163	175
9	182	194
10	201	213

MVSP-188 Mounting bracket & Spacer assembly

SOLENOID VALVE



Order example of bracket

* Use the same bracket with MVS.Y.

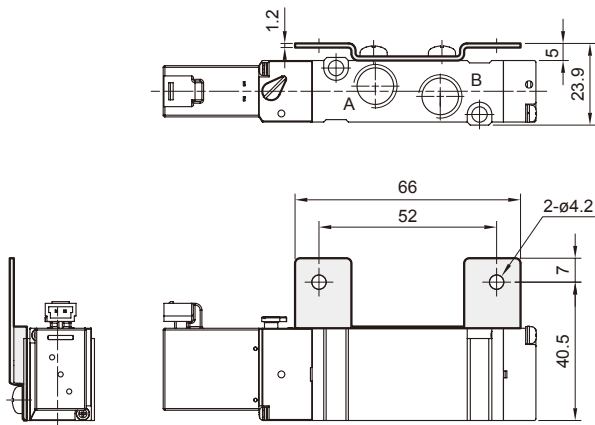
MVS.Y — 188 — 1A

MODEL

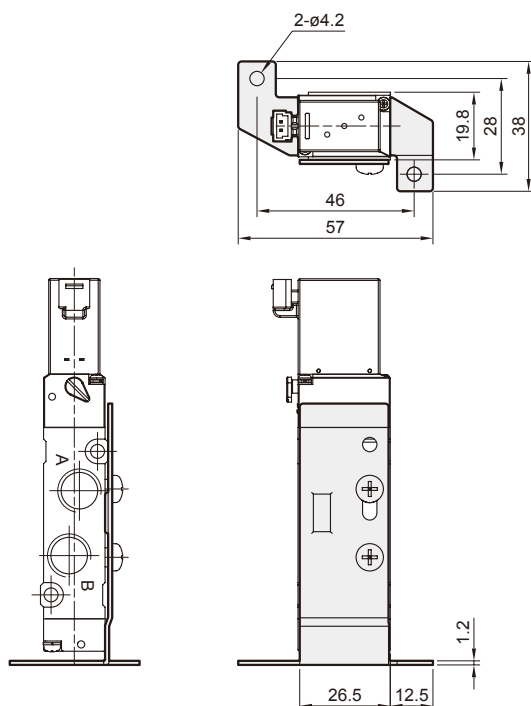
MOUNTING BRACKET

1A
2A

MVS.Y-188-1A



MVS.Y-188-2A



Order example of spacer assembly

* Use the same spacer assembly with MVS.Y.

MVS.Y — 188M — 5BP

MODEL

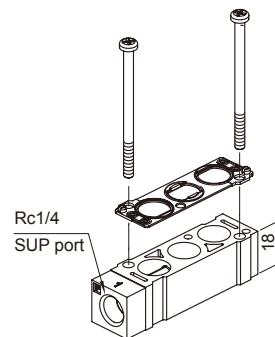
5B: 5 Port (for body ported type)
5M: 5 Port (for Manifold type)

SPACER
ASSEMBLY

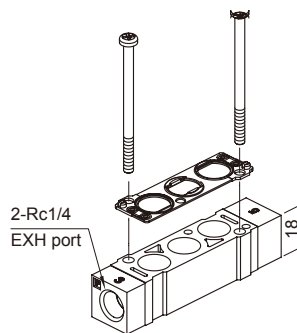
Blank: Body ported type
M: Manifold type

P: Individual SUP spacer assembly
R: Individual EXH spacer assembly
PR: Individual SUP spacer assembly+
Individual EXH spacer assembly

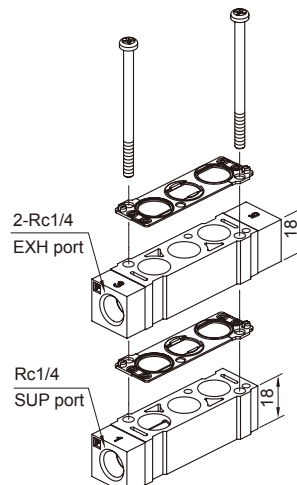
MVS.Y-188-5BP



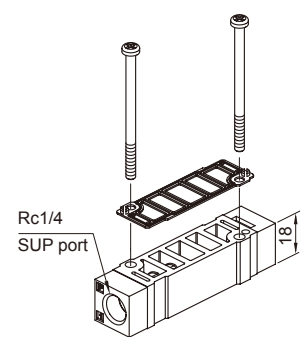
MVS.Y-188-5BR



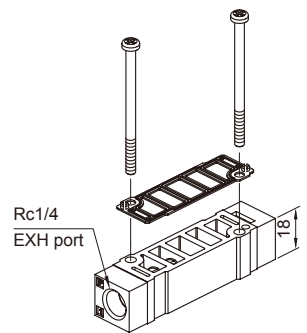
MVS.Y-188-5BPR



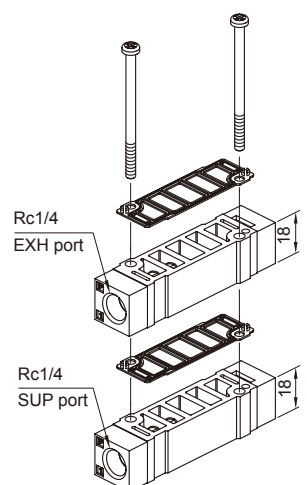
MVS.Y-188M-5MP



MVS.Y-188M-5MR



MVS.Y-188M-5MPR

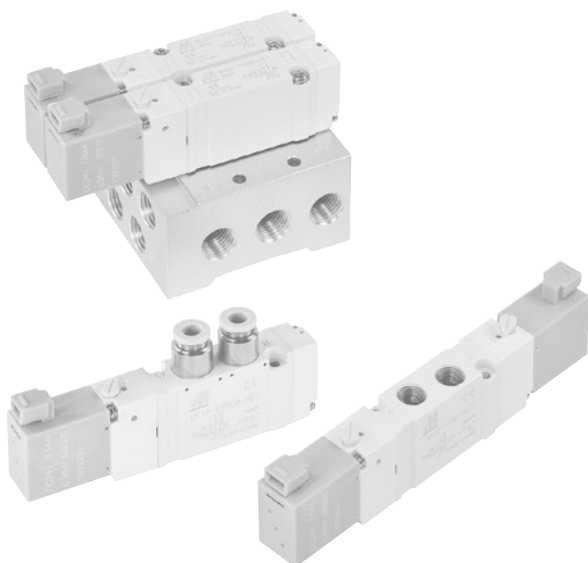


MVSP-156 series

SOLENOID VALVE



mindman



Specification

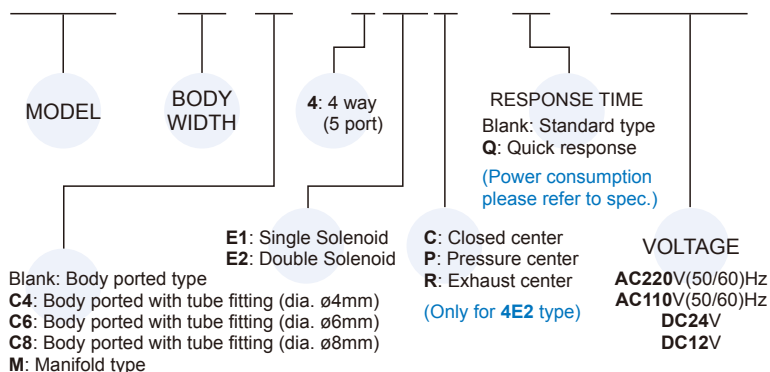
* Refer to page 1-21 for feature.

Model		4E1	4E2	4E2 C.P.R
Port size		Rc1/8		
No. of port / position		5 / 2		5 / 3
Medium		Air		
Operating perssure range		0.15~0.7 MPa		0.2~0.7 MPa
Proof pressure		1 MPa		
Effective orifice	Body ported	11 mm ²		9.5 / 14.6 / 9.5 mm ²
	Manifold	10 mm ²		7.5 / 13 / 8 mm ²
Response time	Standard	AC<36ms, DC<23ms		AC<46ms, DC<25ms
	Quick response*	AC<32ms, DC<20ms		AC<40ms, DC<22ms
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		83 g	118 g	127 g

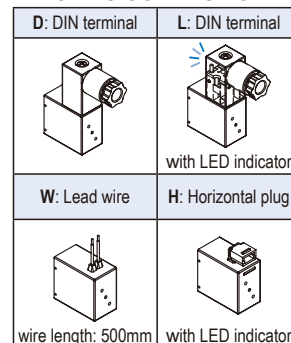
* For quick response type, it cannot be energized for more than 30 minutes.

Order example of valve

MVSP — 156M — 4E2C — □ — AC110 — H1 — G



ELECTRIC CONNECTION



PORT THREAD

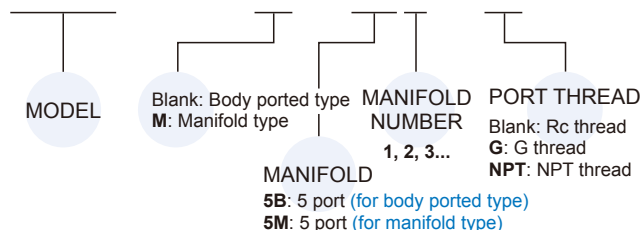
Blank: Rc thread
G: G thread
NPT: NPT thread
(Only for body ported type)

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

Order example of manifold

* Use the same manifold with MVSJ.

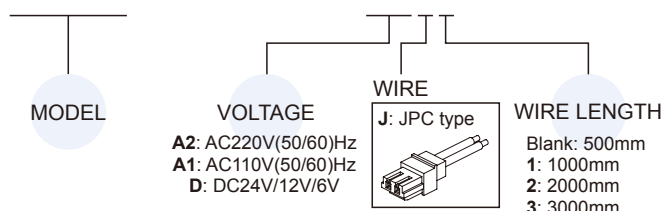
MVSJ — 156M — 5B3 — G



Order example of wire

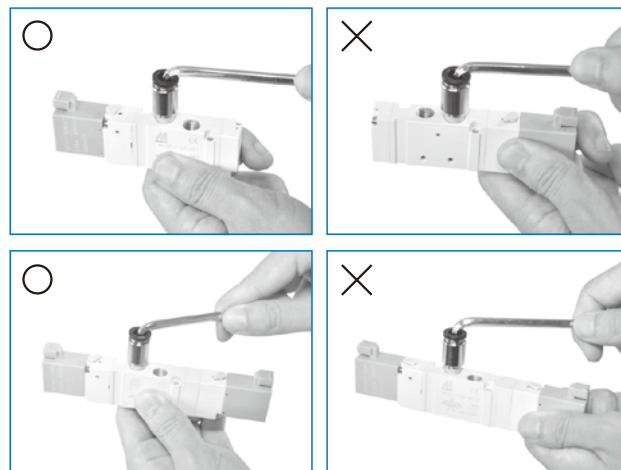
* Use the same wire with MVDY.
* Only for "H: Horizontal plug".

MVDY — 100 — WA2J2



Caution

Prohibit apply force to coil when tighten the tube fitting.

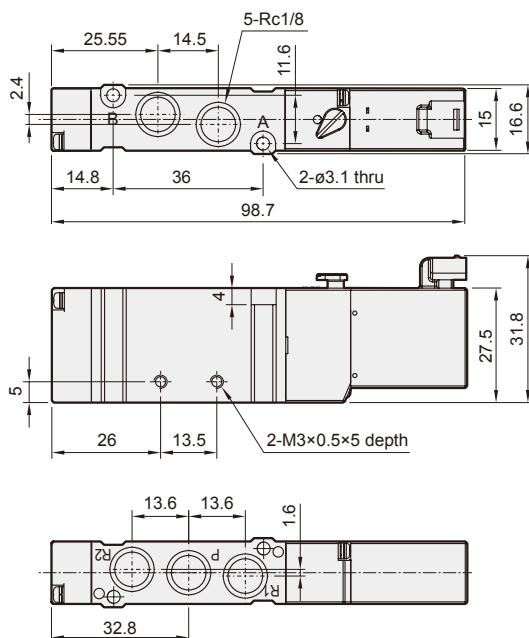
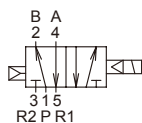


MVSP-156 Dimensions

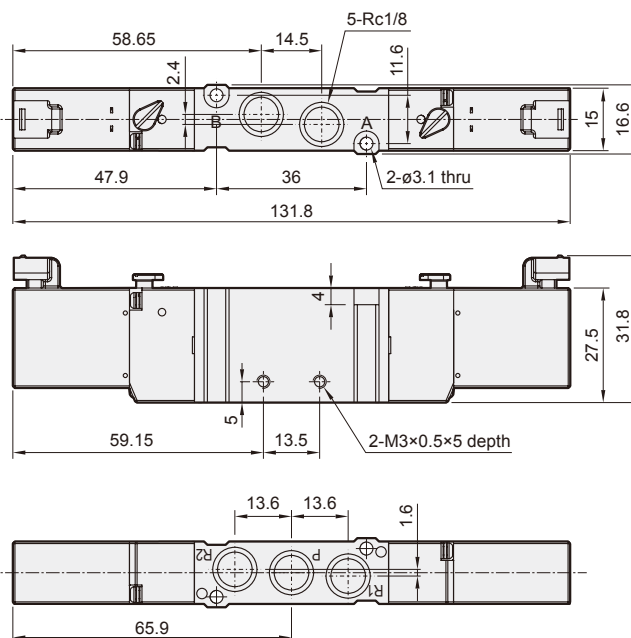
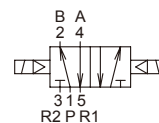
SOLENOID VALVE



MVSP-156-4E1



MVSP-156-4E2

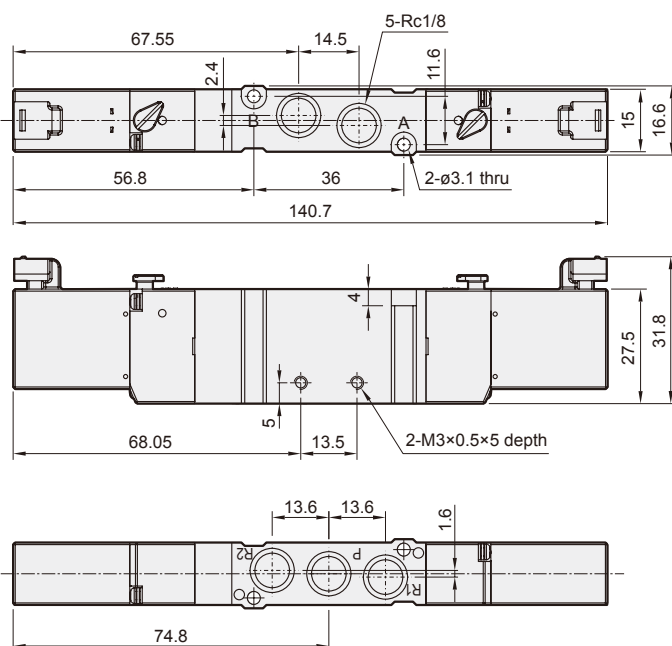
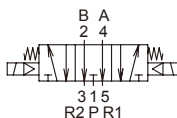
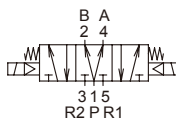
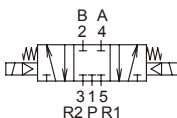


MVSP-156-4E2C.P.R

MVSP-156-4E2C

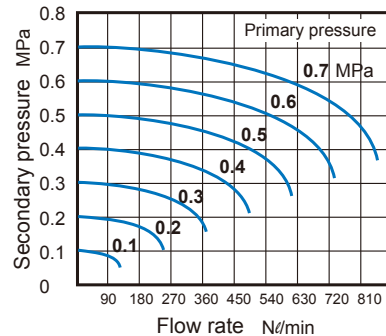
MVSP-156-4E2P

MVSP-156-4E2R

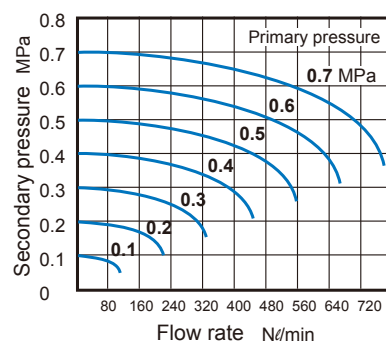


Flow features

MVSP-156-4E1/4E2



MVSP-156M-4E1/4E2

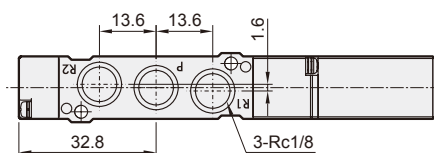
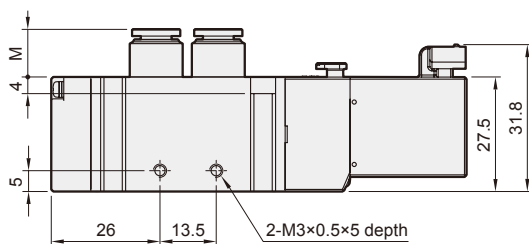
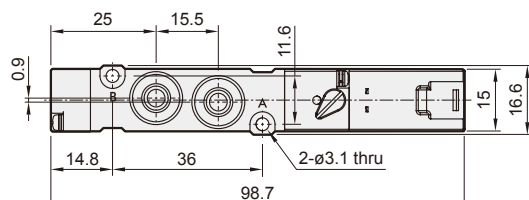
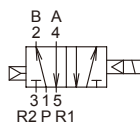


MVSP-156 Dimensions

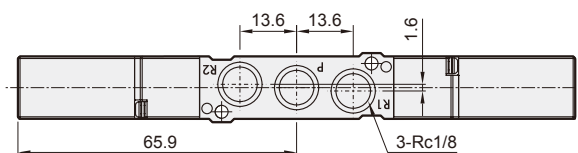
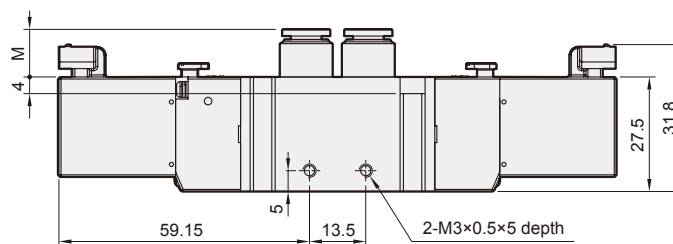
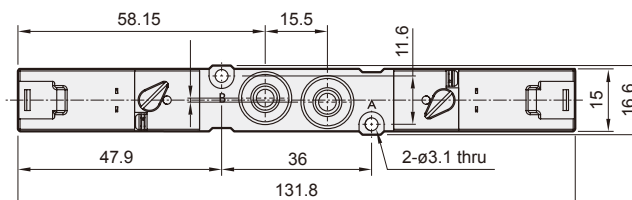
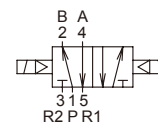
SOLENOID VALVE



MVSP-156C*-4E1



MVSP-156C*-4E2

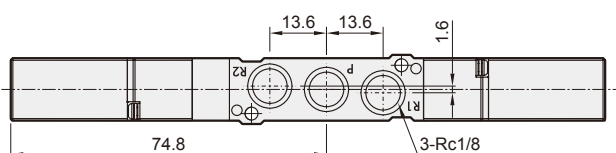
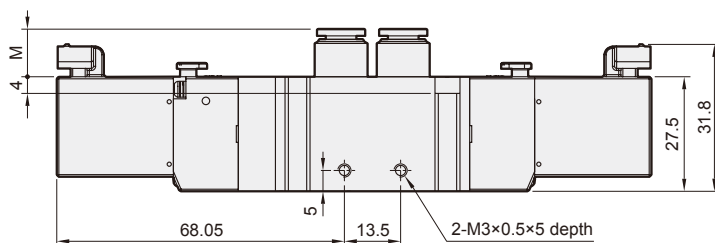
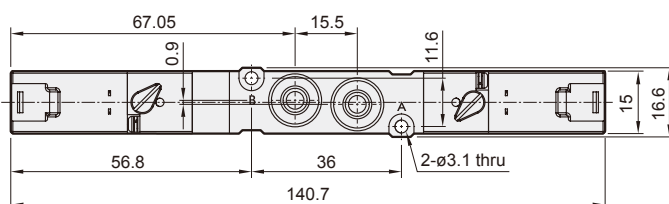
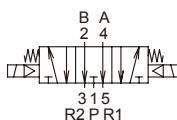
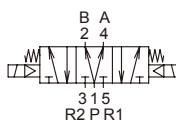
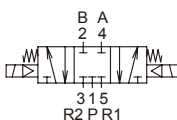


MVSP-156C*-4E2C.PR

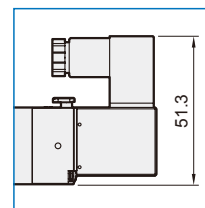
MVSP-156-4E2C

MVSP-156-4E2P

MVSP-156-4E2R



DIN terminal / DIN terminal with LED indicator



Code Tube fitting	M
C4 (ø4)	(13.8)
C6 (ø6)	(14.7)
C8 (ø8)	(19.3)

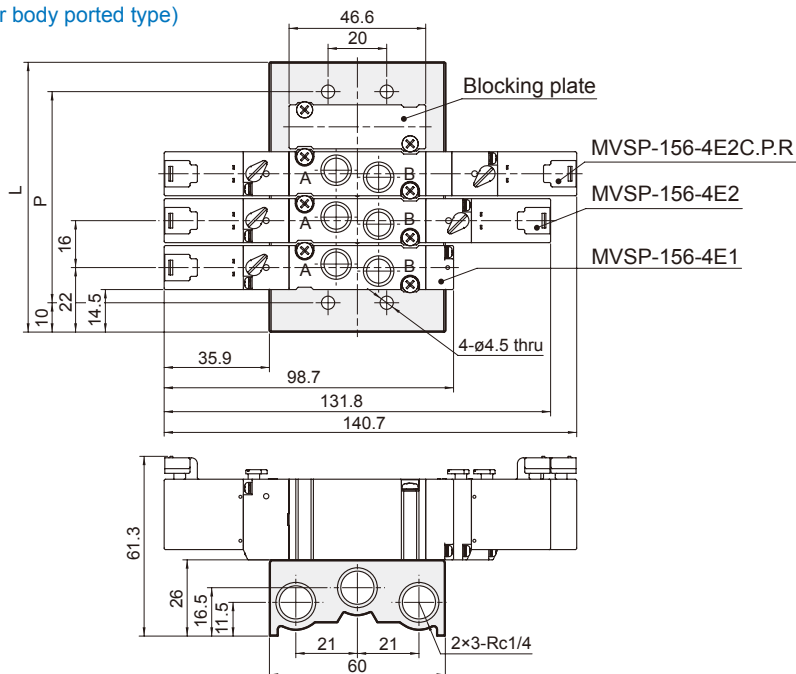
MVSP-156 Manifold

SOLENOID VALVE



MVSY-156-5B*

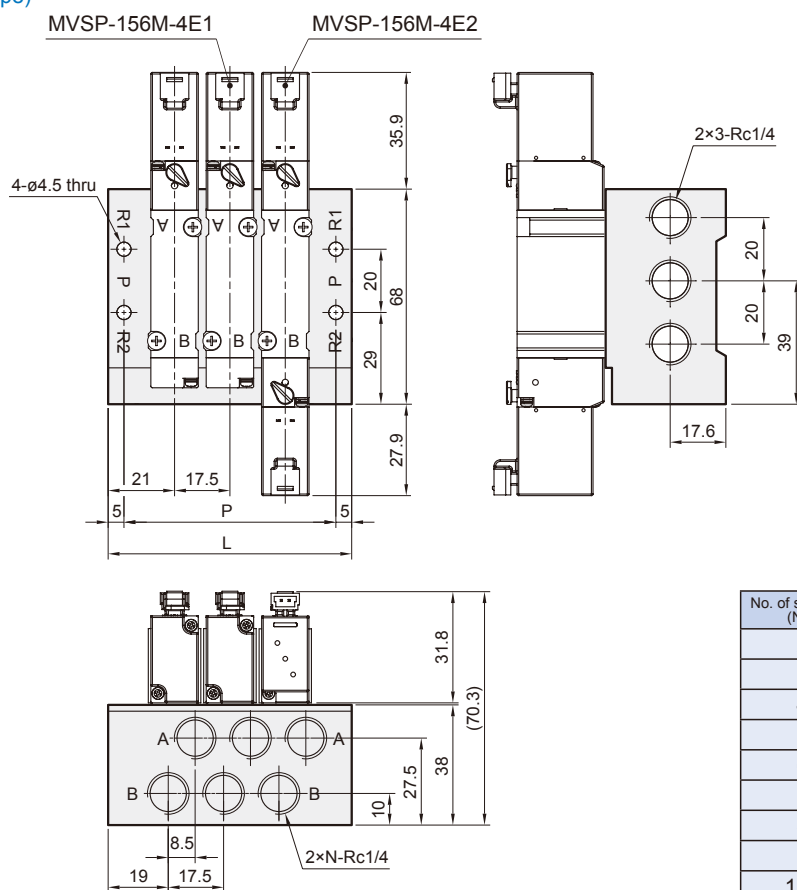
5 port (for body ported type)



No. of stations	P	L
2	40	60
3	56	76
4	72	92
5	88	108
6	104	124
7	120	140
8	136	156
9	152	172
10	168	188

MVSY-156M-5M*

5 port (for manifold type)



No. of stations (N)	P	L
2	49.5	59.5
3	67	77
4	84.5	94.5
5	102	112
6	119.5	129.5
7	137	147
8	154.5	164.5
9	172	182
10	189.5	199.5

MVSP-156 Mounting bracket & Spacer assembly

SOLENOID VALVE



Order example of bracket

* Use the same bracket with MVSYS.

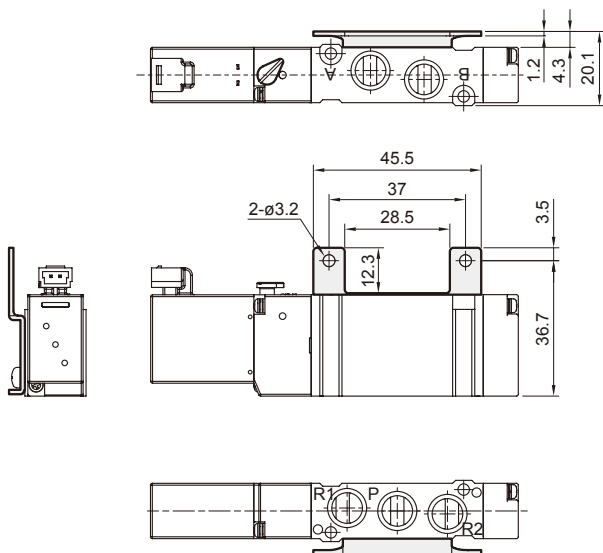
MVSYS — 156 — 1A

MODEL

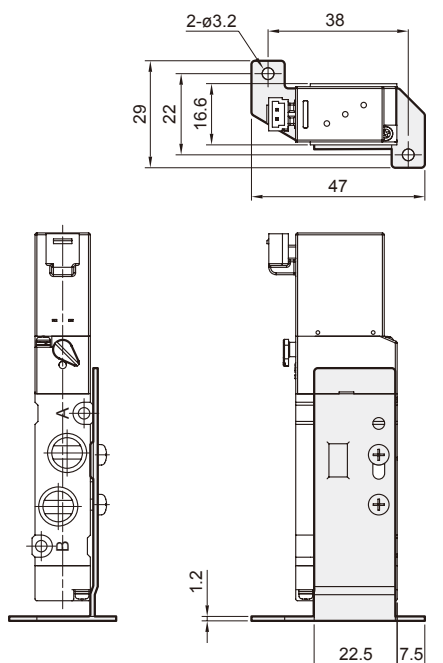
MOUNTING BRACKET

1A
2A

MVSYS-156-1A



MVSYS-156-2A



Order example of spacer assembly

* Use the same spacer assembly with MVSYS.

MVSYS — 156M — 5BP

MODEL

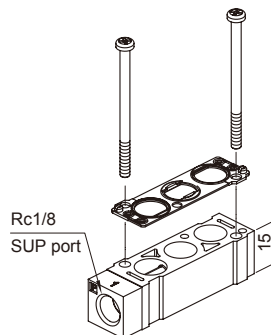
5B: 5 Port (for body ported type)
5M: 5 Port (for Manifold type)

SPACER
ASSEMBLY

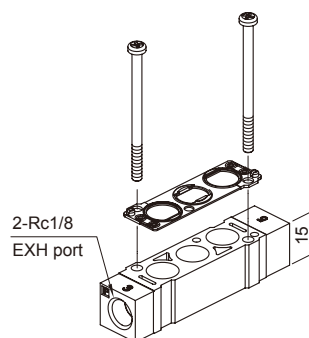
Blank: Body ported type
M: Manifold type

P: Individual SUP spacer assembly
R: Individual EXH spacer assembly
PR: Individual SUP spacer assembly+
Individual EXH spacer assembly

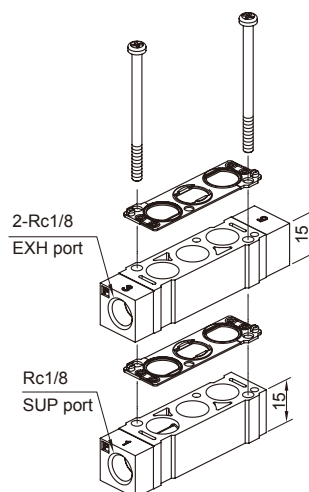
MVSYS-156-5BP



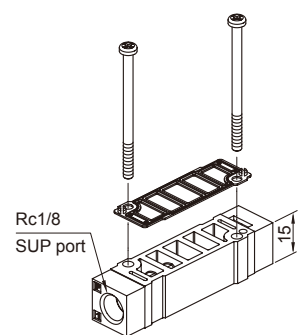
MVSYS-156-5BR



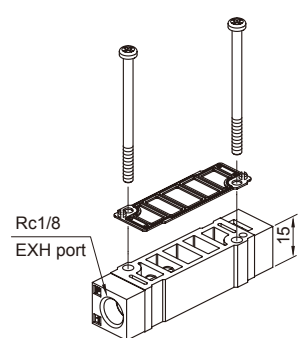
MVSYS-156-5BPR



MVSYS-156M-5MP



MVSYS-156M-5MR



MVSYS-156M-5MPR

