

MVAA-300 series

PILOT VALVE



Technical data



Caution for safety
(Read before installing)



Specification

Model	3A1	3A2	4A1	4A2	4A2C.P.R
Bore No.	10A				
Port size	3/8				
No. of port	3		5		
Medium	Air				
Operating pressure range	0~0.8 MPa				
Proof pressure	1 MPa				
Effective orifice	35 mm ²				
Pilot pressure range	(0.34×P*+0.1)~0.8 MPa				
Ambient temperature	-5~+60℃ (No freezing)				
Weight	295 g	324 g	236 g	301 g	385 g

* P: Operating pressure.

Order example of valve

MVAA — 300 — 4A2C — NC — G

MODEL

BODY WIDTH

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

A1: Single pilot
A2: Double pilot

C: Closed center
P: Pressure center
R: Exhaust center
(Only for 4A2 type)

NC: Normally closed
NO: Normally open
(Only for 3A1 type)

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

Order example of manifold

MVSC — 300 — 5B3 — G

MODEL

MANIFOLD

NUMBER

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

* Use the same manifold with MVSC.

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

* Use the same blocking plate with MVSC.

Order example of blocking plate

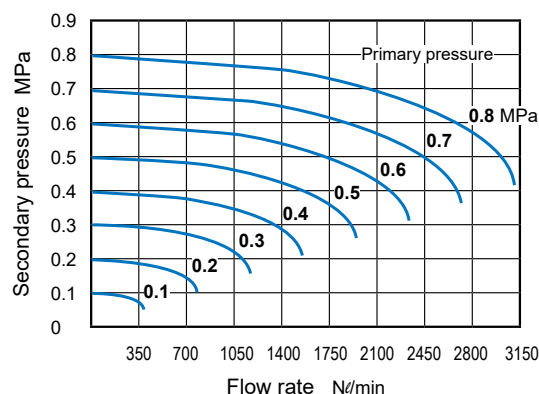
MVSC — 300 — 5P

MODEL

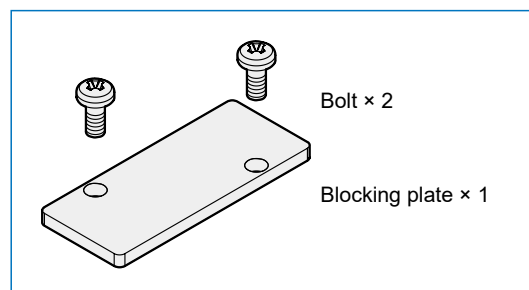
BLOCKING PLATE

3P: for 3 port
5P: for 5 port

Flow features



Blocking plate parts

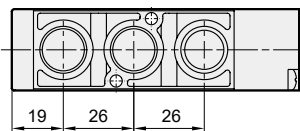
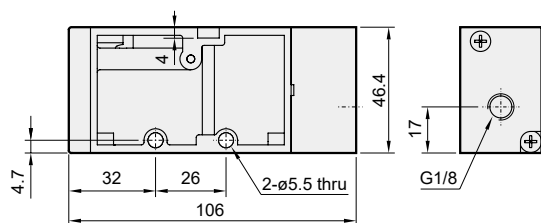
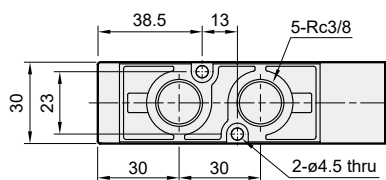
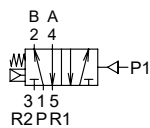


MVAA-300 Dimensions

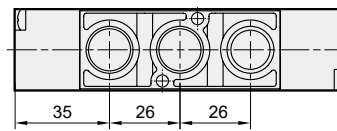
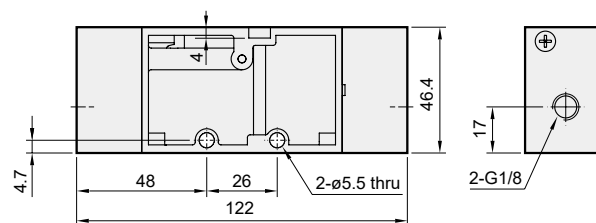
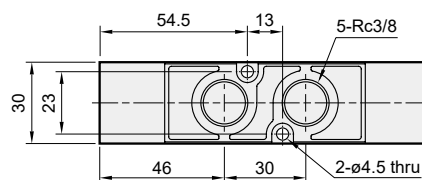
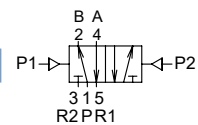
PILOT VALVE



MVAA-300-4A1



MVAA-300-4A2

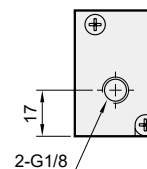
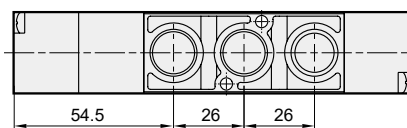
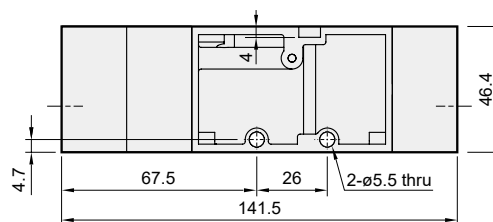
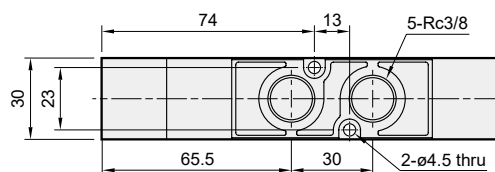
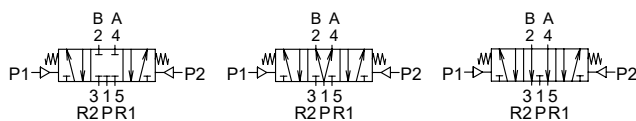


MVAA-300-4A2C.P.R

MVAA-300-4A2C

MVAA-300-4A2P

MVAA-300-4A2R

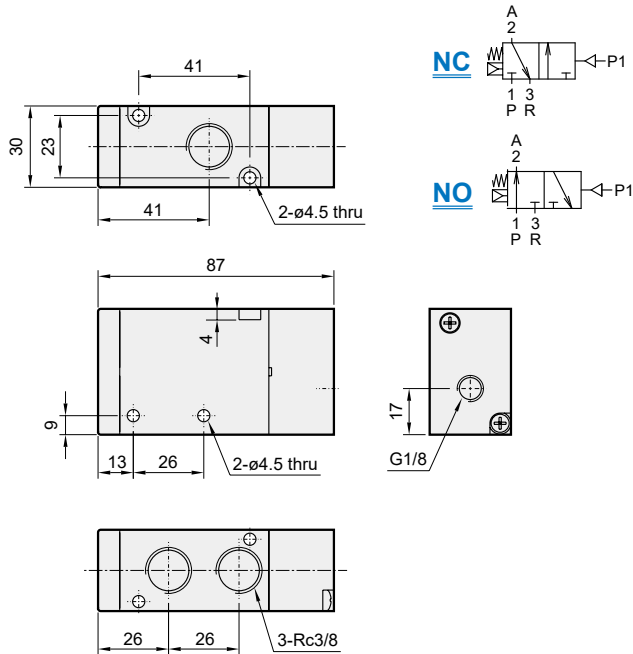


MVAA-300 Dimensions

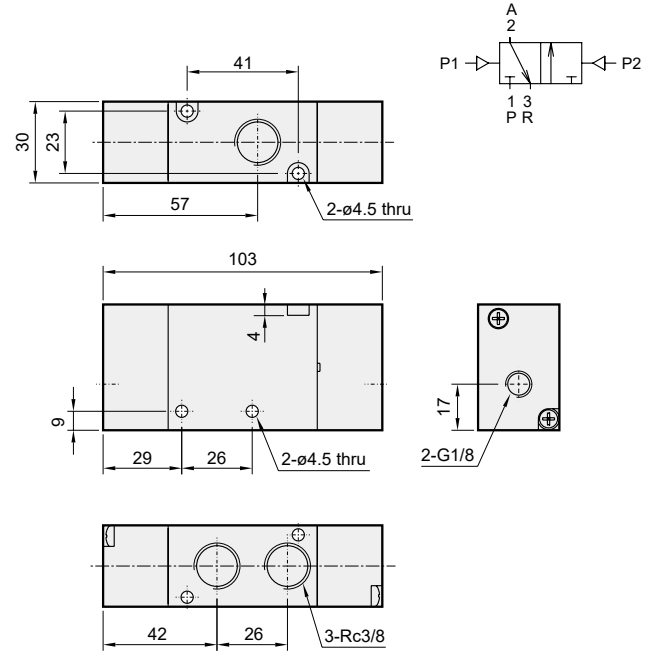
PILOT VALVE



MVAA-300-3A1-NC/NO



MVAA-300-3A2

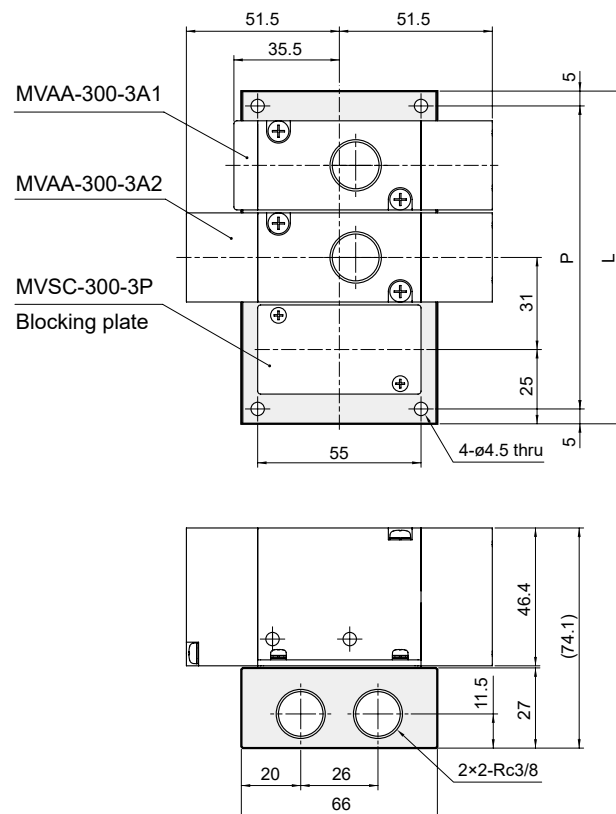


Manifold of pilot valve

MVSC-300-3B*

* Use the same manifold with MVSC.

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

MVAA-300 Manifold

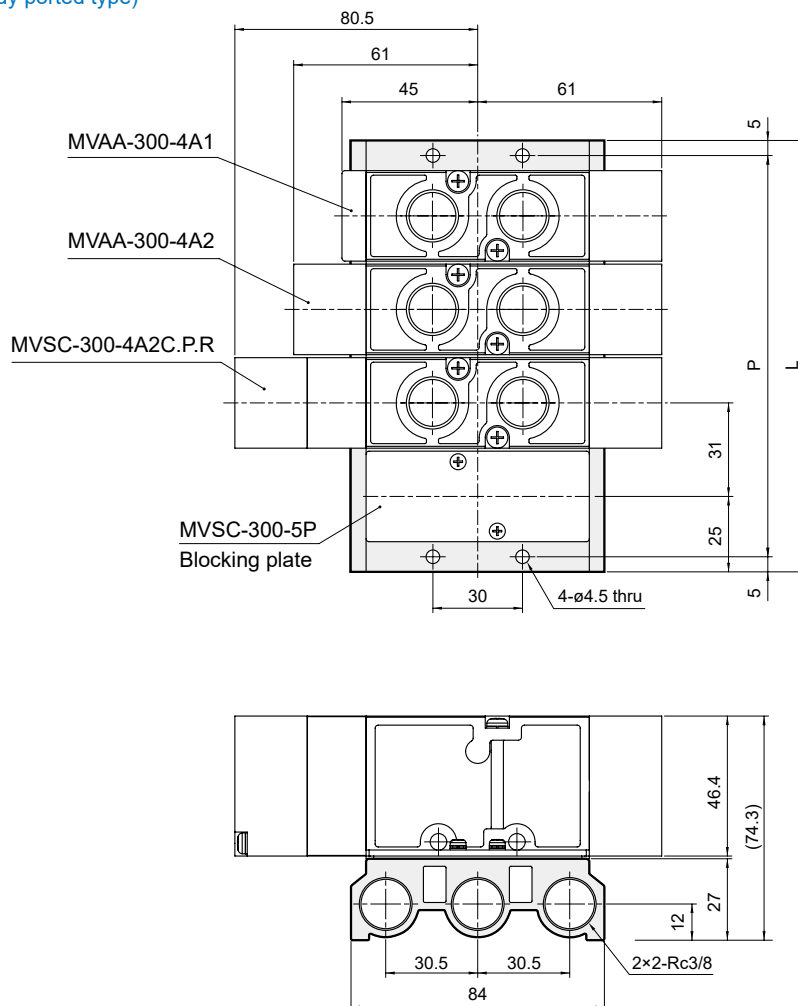
PILOT VALVE



MVSC-300-5B*

* Use the same manifold with MVSC.

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