

MVAA-180 series

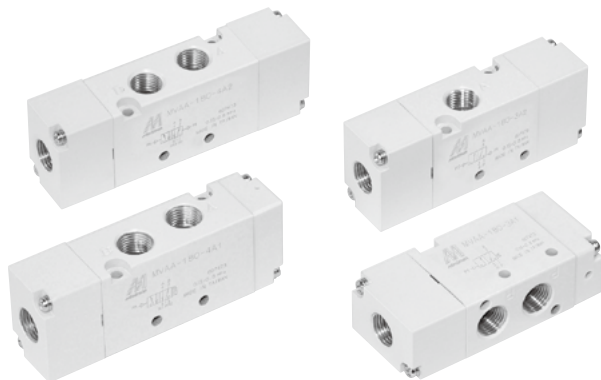
PILOT VALVE



Technical data



Caution for safety
(Read before installing)



Specification

Model	3A1	3A2	4A1	4A2
Bore No.	6A			
Port size	1/8			
No. of port	3		5	
Medium	Air			
Operating pressure range (MPa)	0.15~0.8	0~0.8	0.15~0.8	0~0.8
Proof pressure	1 MPa			
Effective orifice	12 mm ²			
Pilot pressure range	(0.45×P*+0.1)~0.8 MPa			
Ambient temperature	-5~+60°C (No freezing)			
Weight	61 g	74 g	71 g	84 g

* P: Operating pressure.

Order example of valve

MVAA — 180 — 4A2 — NC — G

MODEL

BODY WIDTH

A1: Single pilot
A2: Double pilot

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

PORT THREAD

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

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

Order example of manifold

MVSC1 — 180 — 3B3 — G

MODEL

MANIFOLD	NUMBER
3B 3 port (for body ported type)	1~20
5B 5 port (for body ported type)	1~28

PORT THREAD

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

* Use the same manifold with MVSC1.

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

* Use the same blocking plate with MVSC1.

Order example of blocking plate

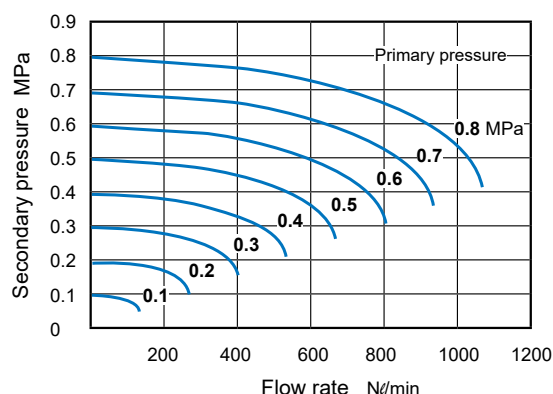
MVSC1 — 180 — 5P

MODEL

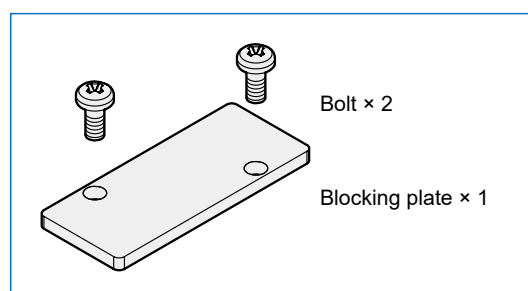
BLOCKING PLATE

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

Flow features



Blocking plate parts

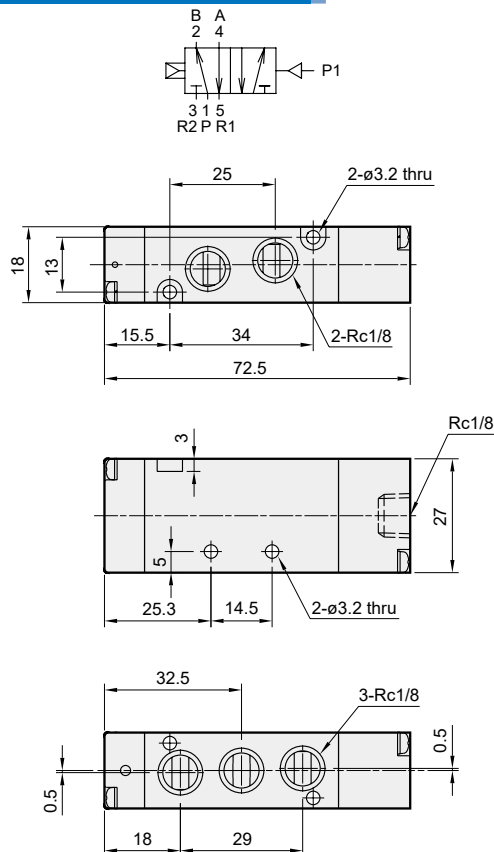


MVAA-180 Dimensions

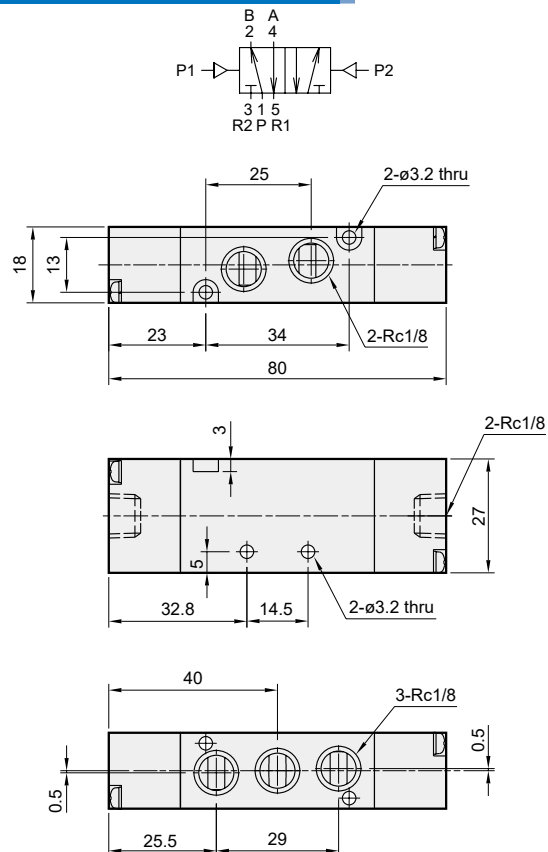
PILOT VALVE



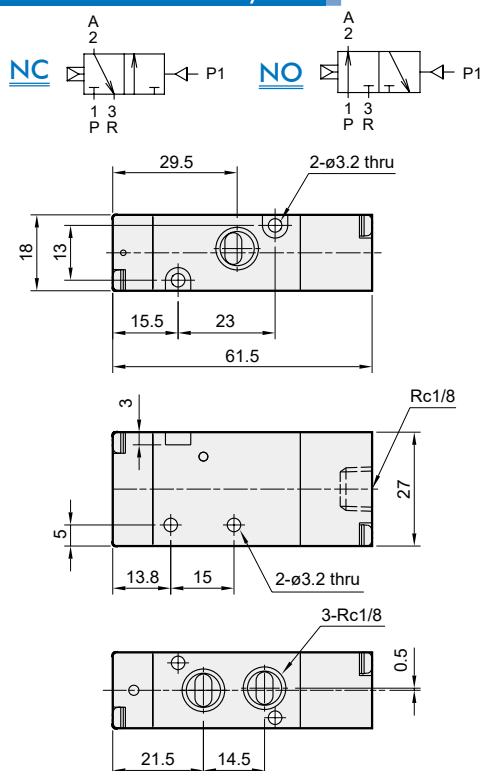
MVAA-180-4A1



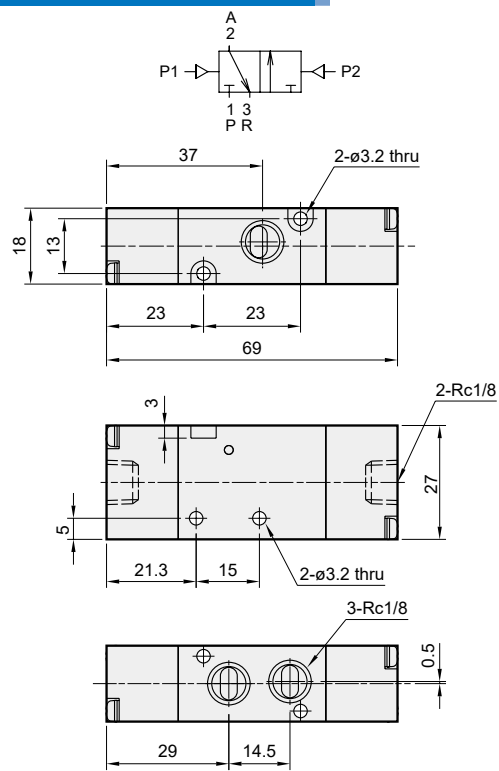
MVAA-180-4A2



MVAA-180-3A1-NC/NO



MVAA-180-3A2



MVAA-180 Manifold

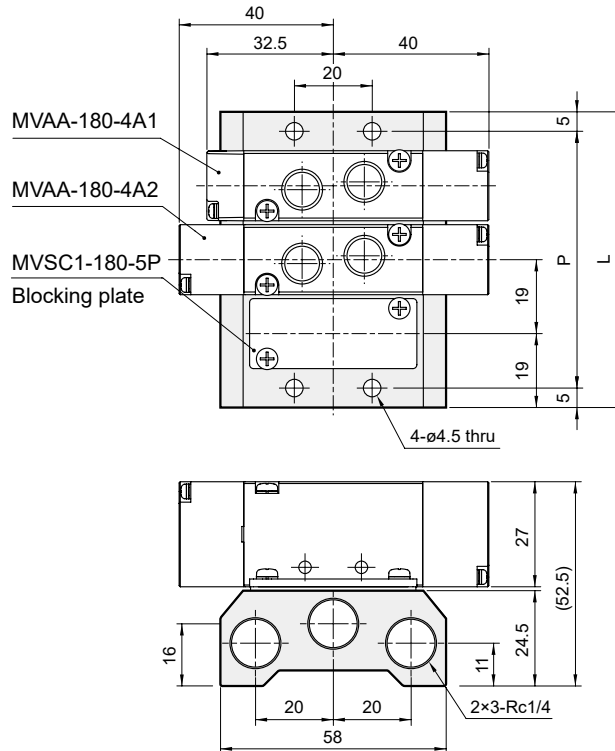
PILOT VALVE



MVSC1-180-5B*

* Use the same manifold with MVSC1.

5 port (for body ported type)



No. of stations	P	L
1	28	38
2	47	57
3	66	76
4	85	95
5	104	114
6	123	133
7	142	152
8	161	171
9	180	190
10	199	209

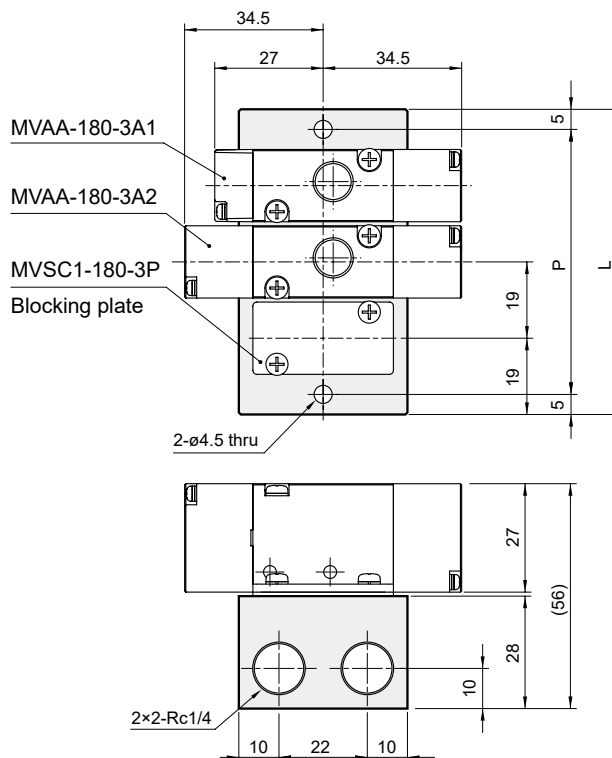
P: (No. of stations-1)×19+28

L: (No. of stations-1)×19+38

MVSC1-180-3B*

* Use the same manifold with MVSC1.

3 port (for body ported type)



No. of stations	P	L
1	28	38
2	47	57
3	66	76
4	85	95
5	104	114
6	123	133
7	142	152
8	161	171
9	180	190
10	199	209

P: (No. of stations-1)×19+28

L: (No. of stations-1)×19+38