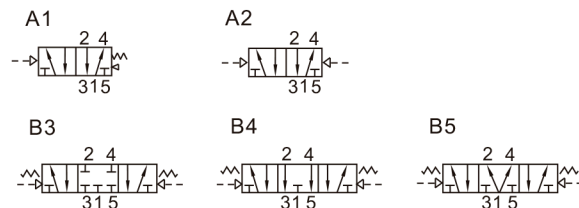




Symbol

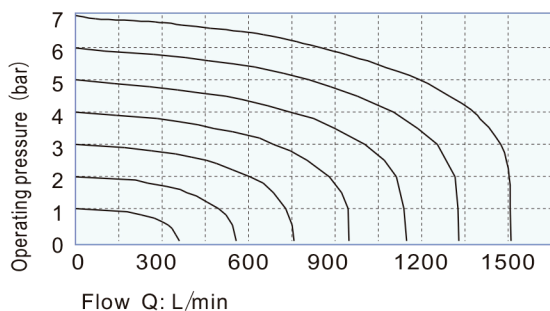


Product feature

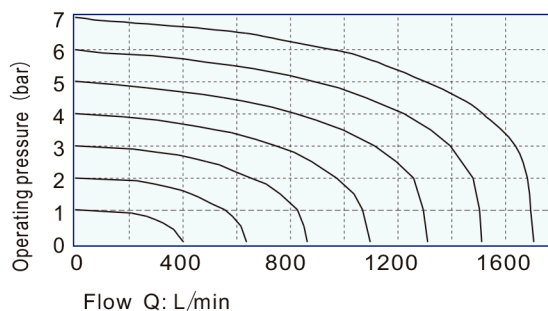
1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Three position air valves have three kinds of central function for your choice.
3. Double air control valves have memory function.
4. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
5. No need to add oil for lubrication.
6. Integrate with the manifold to save installation space.

Flow chart

Model: VP51A101



Model: VP51A102



Ordering code

VP 5 1 A 1 02

① ② ③ ④ ⑤ ⑥

①	Model VP: Pilot valve	④	Directional control A: 2 Positions B: 3 Positions
②	Valve Type 5: 5/2 Way, 5/3 Way	⑥	Port Size 01: 1/8" G 02: 1/4" G
③	Series Code 1: 1 Serie		
⑤	Acting 1: Single-acting 2: Double-acting 3: Double-acting closed center 4: Double-acting exhaust center 5: Double-acting pressure center		

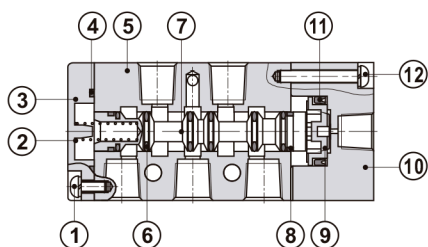
Note: Please refer to page 36 for manifold specification and the order way.

Specification

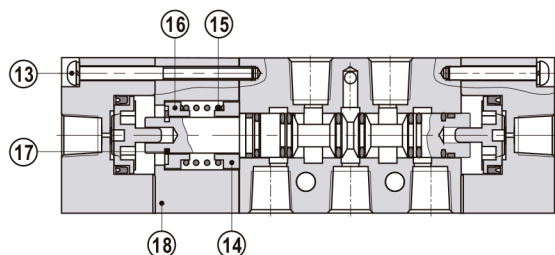
Valve	VP51A101	VP51A201	VP51B301	VP51B401	VP51B501	VP51A102	VP51A202	VP51B302	VP51B402	VP51B502
Fluid	Air(to be filtered by 40 μm filter element)									
Acting	External pilot									
Port size	In=Out=Exhaust=1/8"G					In=Out=1/4"G Exhaust=1/8"G				
Valve type	5 port 2 position		5 port 3 position			5 port 2 position		5 port 3 position		
Lubrication	Not required									
Operating pressure	1.5~8bar(21~114psi)									
Proof pressure	15bar(215psi)									
Temperature °C	-20~70									
Orifice size	14.0mm ² (Cv=0.78)		12.0mm ² (Cv=0.67)			16.0mm ² (Cv=0.89)		12.0mm ² (Cv=0.67)		
Material of body	Aluminum alloy									

Inner structure

VP51A1



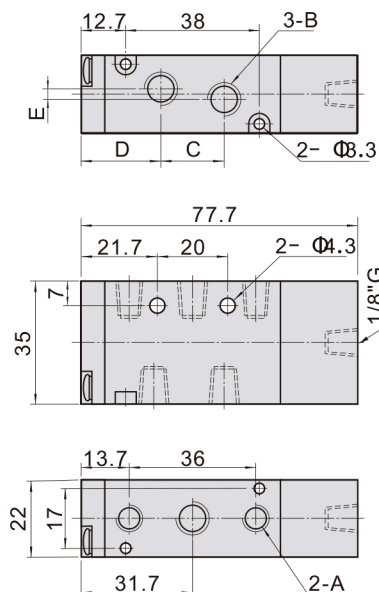
VP51A3



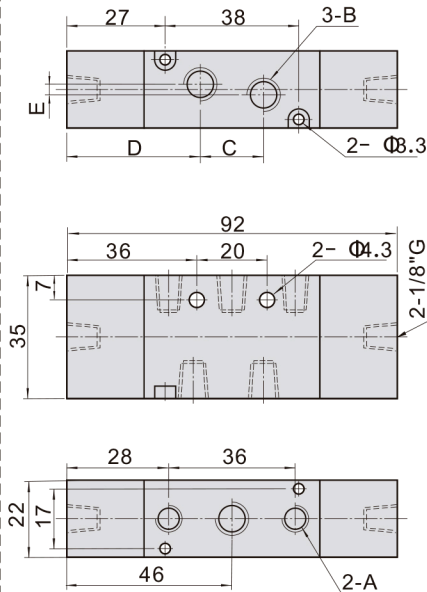
No.	Item
(1)	Screw
(2)	Spring
(3)	Bottom cover
(4)	Bottom cover gasket
(5)	Body
(6)	O-ring
(7)	Spool
(8)	Wear ring
(9)	Piston
(10)	Pilot body
(11)	O-ring
(12)	Screw
(13)	Screw
(14)	Spring holder
(15)	Return Spring
(16)	Spring holder
(17)	E Clip
(18)	Side cover

Dimensions

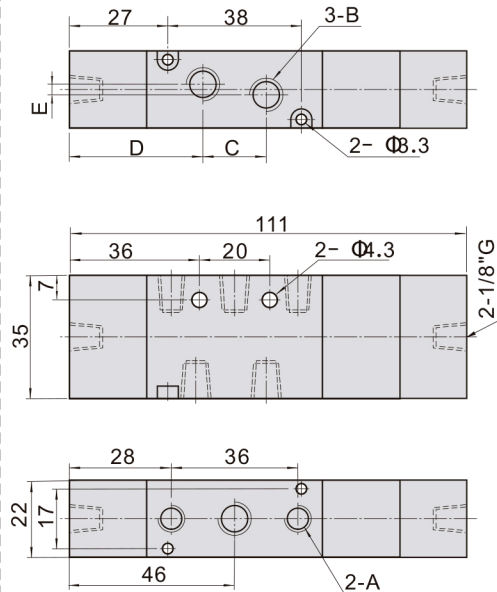
VP51A1



VP51A2



VP51B3\VP51B4\VP51B5



Model\Item	A	B	C	D	E
VP51A101	1/8"G	1/8"G	18	22.7	0
VP51A102	1/8"G	1/4"G	21	21.2	3

Model\Item	A	B	C	D	E
VP51A201	1/8"G	1/8"G	18	37	0
VP51A202	1/8"G	1/4"G	21	35.5	3

Model\Item	A	B	C	D	E
VP51B3(4\5)01	1/8"G	1/8"G	18	37	0
VP51B3(4\5)02	1/8"G	1/4"G	21	35.5	3