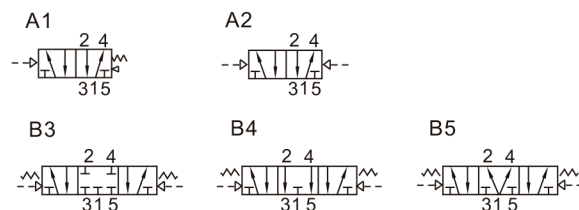


## VP50 SERIES



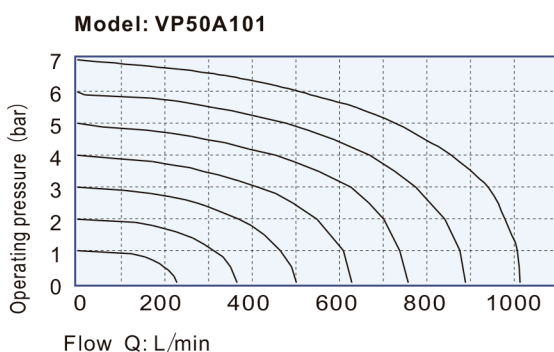
## Symbol



## 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



## Ordering code

VP 5 0 A 1 01

① ② ③ ④ ⑤ ⑥

①	<b>Model</b> VP: Pilot valve	④	<b>Directional control</b> A: 2 Positions B: 3 Positions
②	<b>Valve Type</b> 5: 5/2 Way, 5/3 Way	⑥	<b>Port Size</b> 01: 1/8" G
③	<b>Series Code</b> 0: 0 Serie		
⑤	<b>Acting</b> 1: Single-acting 2: Double-acting 3: Double-acting closed center 4: Double-acting exhaust center 5: Double-acting pressure center		

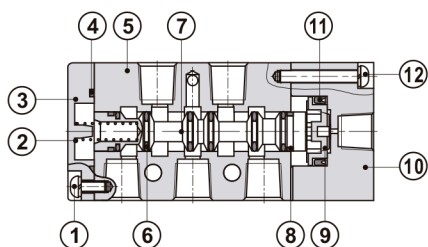
Note: Please refer to page 36 for manifold specification and the order way.

## Specification

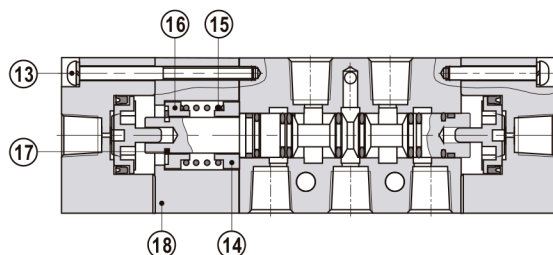
Valve	VP50A101	VP50A201	VP50B301	VP50B401	VP50B501
Fluid	Air(to be filtered by 40μm filter element)				
Acting	External pilot				
Port size	1/8"G				
Valve type	5 port 2 position		5 port 3 position		
Lubrication	Not required				
Operating pressure	1.5~8bar(21~114psi)				
Proof pressure	15bar(215psi)				
Temperature °C	-20~70				
Orifice size	12.0mm <sup>2</sup> (Cv=0.67)		9.0mm <sup>2</sup> (Cv=0.50)		
Material of body	Aluminum alloy				

## Inner structure

### VP50A1



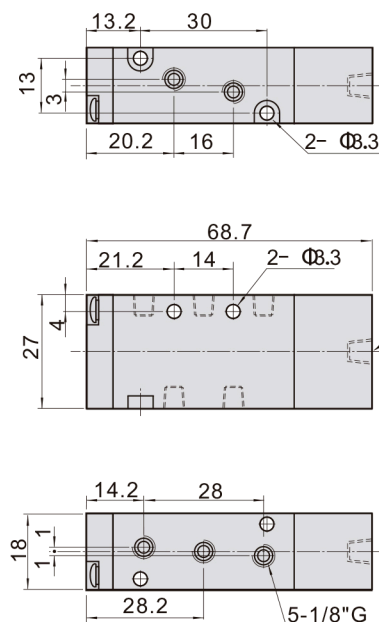
### VP50A3



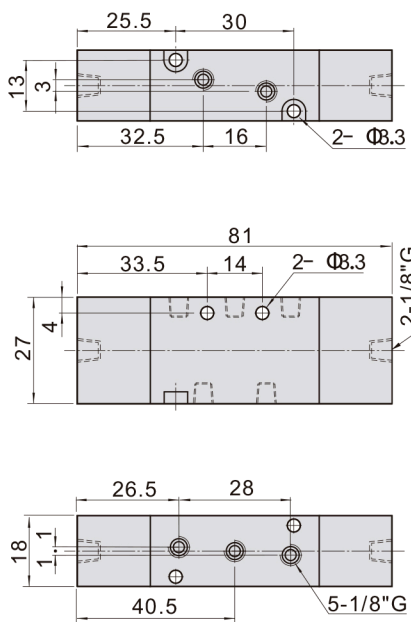
No.	Item
(1)	Screw
(2)	Spring
(3)	Bottom cover
(4)	Bottom cover gasket
(5)	Body
(6)	O-ring
(7)	Spool
(8)	Wear ring
(9)	Piston
(10)	Pilot body
(11)	O-ring
(12)	Screw
(13)	Screw
(14)	Spring holder
(15)	Return Spring
(16)	Spring holder
(17)	E Clip
(18)	Side cover

## Dimensions

### VP50A1



### VP50A2



### VP50B3\VP50B4\VP50B5

