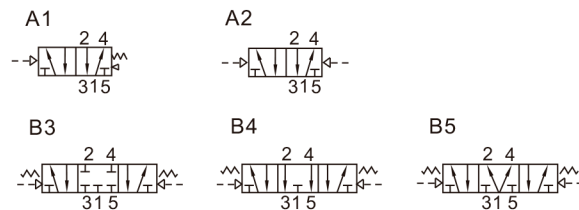




Symbol

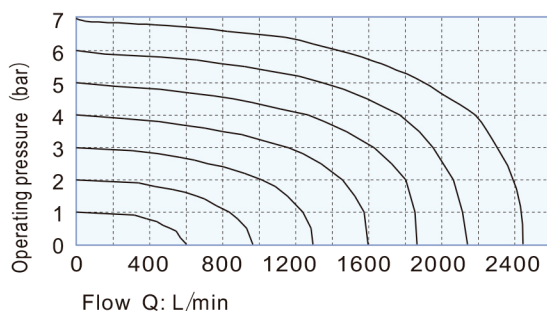


Product feature

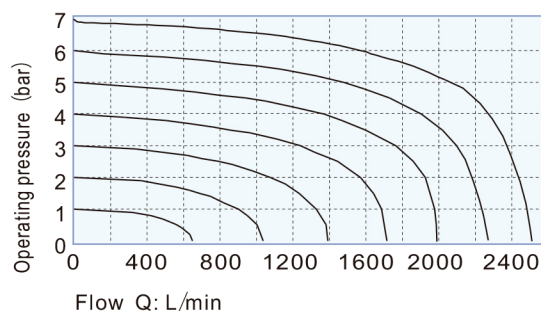
1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Three position air valves have three kinds of central function for your choice.
3. Double air control valves have memory function.
4. Internal hole adopts special processing technology which has little attrition friction, 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: VP52A102



Model: VP52A103



Ordering code

VP 5 2 A 1 03

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 02: 1/4" G 03: 3/8" G
③	Series Code 2: 2 Serie		
⑤	Acting 1: Single-acting 2: Double-acting 3: Double-acting closed center 4: Double-acting exhaust center 5: Double-acting pressure center		

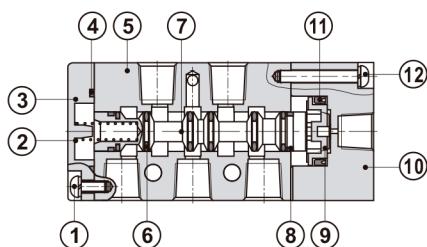
Note: Please refer to page 36 for manifold specification and the order way.

Specification

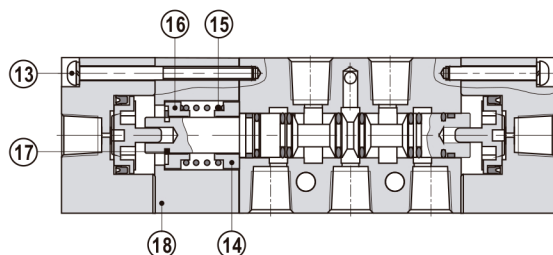
Valve	VP52A102	VP52A202	VP52B302	VP52B402	VP52B502	VP52A103	VP52A203	VP52B303	VP52B403	VP52B503
Fluid	Air(to be filtered by 40μm filter element)									
Acting	External pilot									
Port size	In=Out=Exhaust=1/4"G					In=Out=3/8"G Exhaust=1/4"G				
Valve type	5 port 2 position		5 port 3 position			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	25.0mm ² (Cv=1.40)		18.0mm ² (Cv=1.00)			30.0mm ² (Cv=1.68)		18.0mm ² (Cv=1.00)		
Material of body	Aluminum alloy									

Inner structure

VP52A1



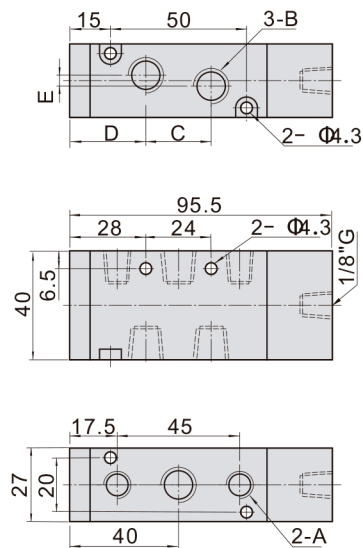
VP52A3



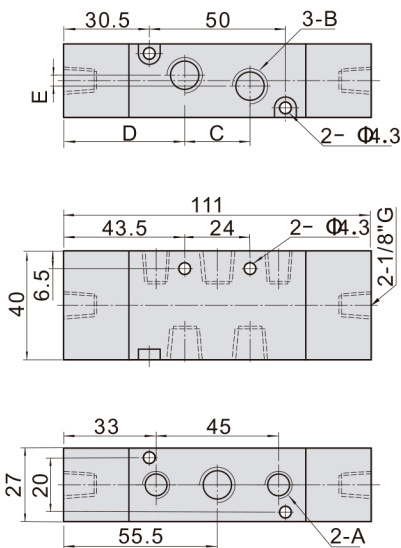
No.	Item
(1)	Screw
(2)	Spring
(3)	Bottom cover
(4)	Bottom cover gasket
(5)	Body
(6)	O-ring
(7)	Spool
(8)	Wear ring
(9)	Piston
(10)	Pilot body
(11)	O-ring
(12)	Screw
(13)	Screw
(14)	Spring holder
(15)	Return Spring
(16)	Spring holder
(17)	E Clip
(18)	Side cover

Dimensions

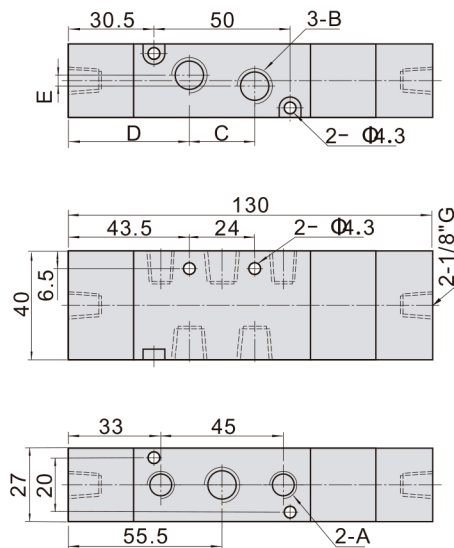
VP52A1



VP52A2



VP52B3\VP52B4\VP52B5



Model\Item	A	B	C	D	E
VP52A102	1/4"G	1/4"G	22	29	0
VP52A103	1/4"G	3/8"G	24	28	4

Model\Item	A	B	C	D	E
VP52A202	1/4"G	1/4"G	22	44.5	0
VP52A203	1/4"G	3/8"G	24	43.5	4

Model\Item	A	B	C	D	E
VP52B3(4\5)02	1/4"G	1/4"G	22	44.5	0
VP52B3(4\5)03	1/4"G	3/8"G	24	43.5	4