

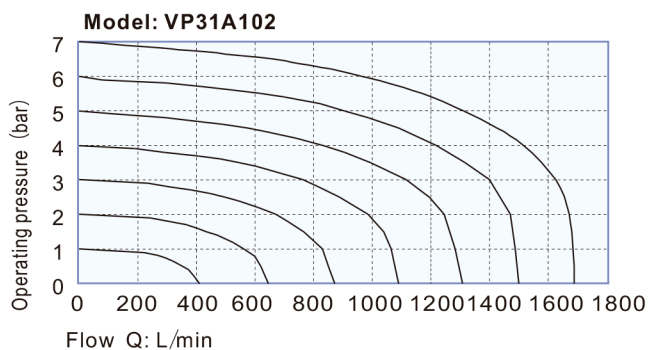
Symbol



Product feature

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

Flow chart



Ordering code

VP 3 1 A 1 02

① ② ③ ④ ⑤ ⑥

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

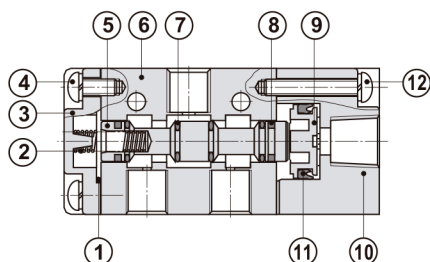
Note: Please refer to page 36 for manifold specification and the order way.

Specification

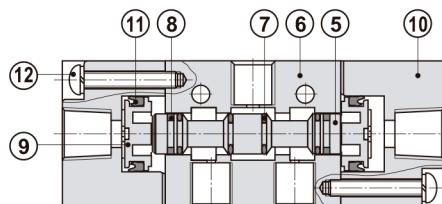
Valve	VP31A101	VP31A201	VP31A102	VP31A202
Fluid	Air(to be filtered by 40μm filter element)			
Acting	External pilot			
Port size	1/8"G		1/4"G	
Valve type	3 port 2 position			
Lubrication	Not required			
Operating pressure	1.5~8bar(21~114psi)			
Proof pressure	15bar(215psi)			
Temperature °C	-20~70			
Orifice size	14.0mm ² (Cv=0.78)		16.0mm ² (Cv=0.89)	
Material of body	Aluminum alloy			

Inner structure

VP31A1



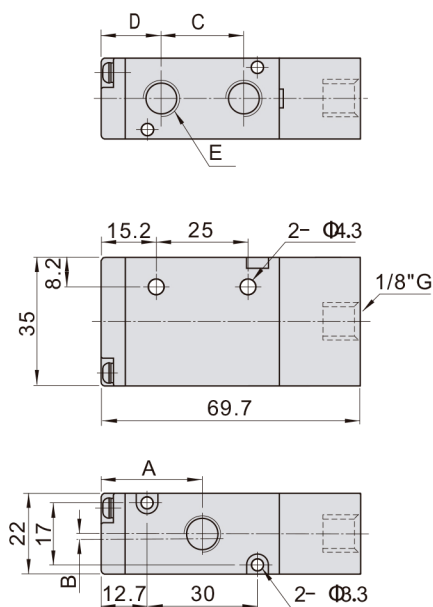
VP31A2



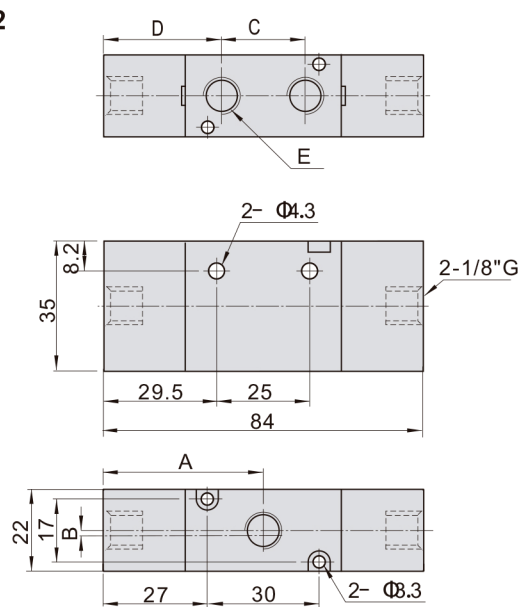
No.	Item
(1)	Bottom cover gasket
(2)	Spring
(3)	Bottom cover
(4)	Bottom cover screw
(5)	Spool
(6)	Body
(7)	O-ring
(8)	Wear ring
(9)	Piston
(10)	Pilot body
(11)	Piston O-ring
(12)	Piston screw

Dimensions

VP31A1



VP31A2



Model\Item	A	B	C	D	E
VP31A101	27.7	0	22	16.7	1/8"G
VP31A102	28.7	1.5	22.5	16.5	1/4"G

Model\Item	A	B	C	D	E
VP31A201	42	0	22	31	1/8"G
VP31A202	43	1.5	22.5	30.75	1/4"G