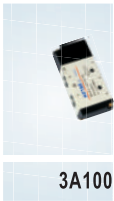


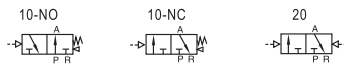
# Air valve( 3/2 way)

## 3A100 Series

**AIRTAC**



### Symbol

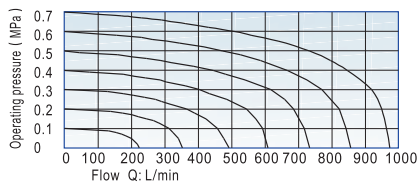


### Product feature

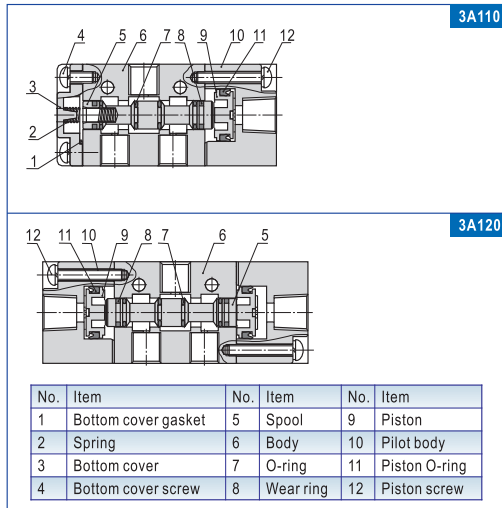
1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Double air control valves have memory function.
3. Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life.
4. No need to add oil for lubrication.
5.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

### Flow chart

Model: 3A110-06-NO



### Inner structure



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

### Specification

Model	3A110-M5	3A120-M5	3A110-06	3A120-06
Fluid	Air(to be filtered by 40 μ m filter element)			
Acting	Exterior control			
Port size ①	M5		1/8"	
Orifice size	5.5mm <sup>2</sup> (Cv=0.31)		12.0mm <sup>2</sup> (Cv=0.67)	
Valve type	3 port 2 position			
Lubrication ②	Not required			
Operating pressure	0.15~0.8MPa(21~114psi)			
Proof pressure	1.5MPa(215psi)			
Temperature °C	-20~70			
Material of body	Aluminum alloy			
Max. frequency ③	5 cycle/sec			

① PT thread, NPT thread and G thread are available.

② Once lubricated air is used, continue with same method to optimise valve life span. Lubricants like ISO VG32 or equivalent are recommended.

③ The maximum actuation frequency is in the no-load state.

### Ordering code

3A 1 10 06 NO P			
<b>Model</b>	3A: Air Valve(3/2 way)	<b>Thread type</b>	Port size Thread type
<b>Code</b>	1: 100 Series		P: PT
<b>Valve type</b>	10: Single air control 20: Double air control		1/8" T: NPT M5 G: G
			No this code
<b>Port size</b>	M5: M5 06: 1/8"	<b>Acting type</b>	Valve type Acting type
			10 NC: Normally close 20 NO: Normally open
			NO code

Please refer to 69 for manifold specification and the order way.

### Dimension

