

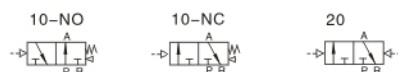
Air valve (3/2 way)

3A100 Series

AIRTAC



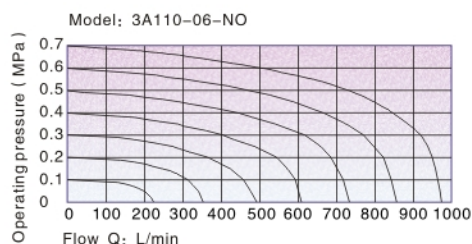
Symbol



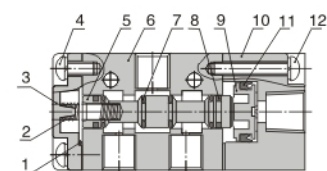
Product feature

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.

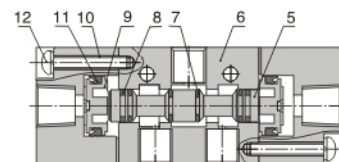
Flow chart



Inner structure



3A110



3A120

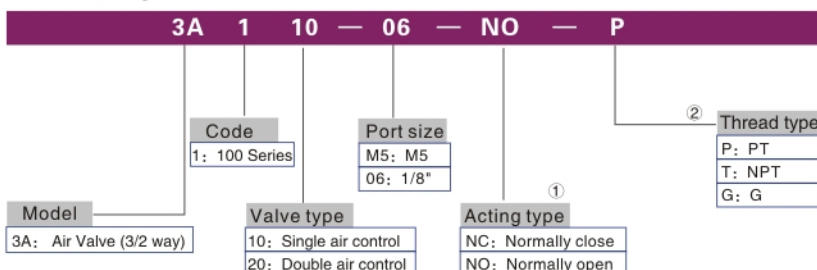
NO.	Item	NO.	Item
1	Bottom cover gasket	7	O-ring
2	Spring	8	Wear ring
3	Bottom cover	9	Piston
4	Bottom cover screw	10	Pilot body
5	Spool	11	Piston O-ring
6	Body	12	Pilot screw

Specification

Model	3A110-M5	3A120-M5	3A110-06	3A120-06
Fluid	Air(to be filtered by 40um filter element)			
Acting	Exterior control			
Port size ①	M5		1/8"	
Orifice size	5.5mm ² (Cv=0.31)		12.0mm ² (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 ℃	-20~70			
Material of body	Aluminum alloy			
Max. frequency ③	5 cycle/sec			

- ① PT thread, NPT thread and G thread are available;
 ② It can not stop in the midway of lubricating. Lubricants like ISO VG32 or equivalent are recommended;
 ③ The maximum actuation frequency is in the no-load state.

Ordering code



- ① Remark: 2 position double control air valve have no differences between normally opened and normally closed state, thus this code is blank.
 ② When the thread is M5, the code is blank.
 Please refer to PI-33 for manifold specification and the order way.

Dimensioni

