

Air valve (3/2 way)

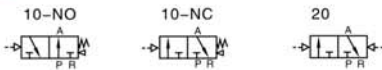
3A100 Series



3A100



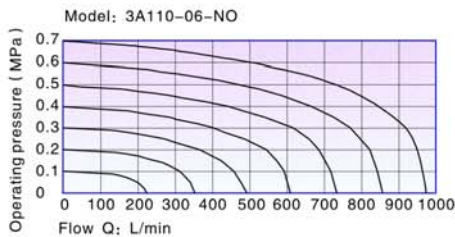
Symbol



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.

Flow chart



Inner structure

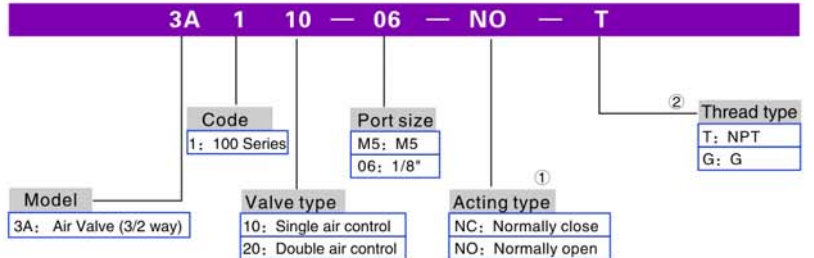
NO.	Item	NO.	Item
1	Bottom cover gasket	7	O-ring
2	Spring	8	Wear ring
3	Bottom cover	9	Piston
4	Bottom cover screw	10	Pilot body
5	Spool	11	Piston O-ring
6	Body	12	Pilot screw

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 °C	-20-70			
Material of body	Aluminum alloy			
Max. frequency ③	5 cycle/sec			

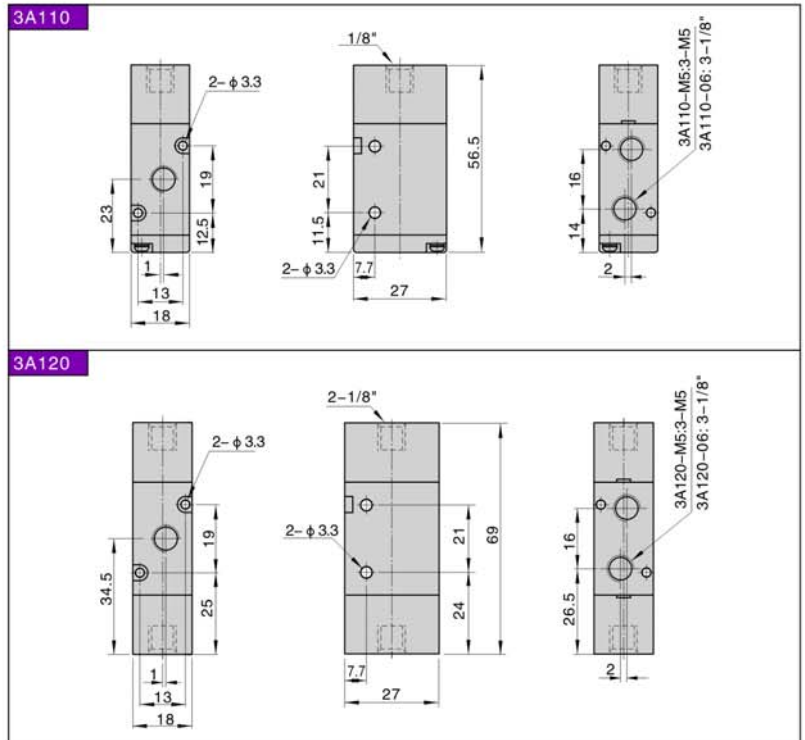
- ① NPT thread and G thread are available;
 ② It can not stop in the midway of lubricating. Lubricants like ISO VG32 or equivalent are recommended;
 ③ The maximum actuation frequency is in the no-load state.

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.

Dimensions



Air valve (3/2 way)

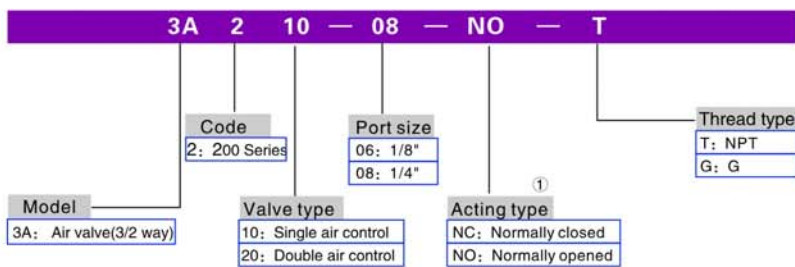
3A200 Series

Specification

Model	3A210-06	3A220-06	3A210-08	3A220-08
Fluid	Air(to be filtered by 40um filter element)			
Acting	Exterior control			
Port size ①	In=Out=1/8"		In=Out=1/4"	
Orifice size	14.0mm ² (Cv=0.78)		16.0mm ² (Cv=0.89)	
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			

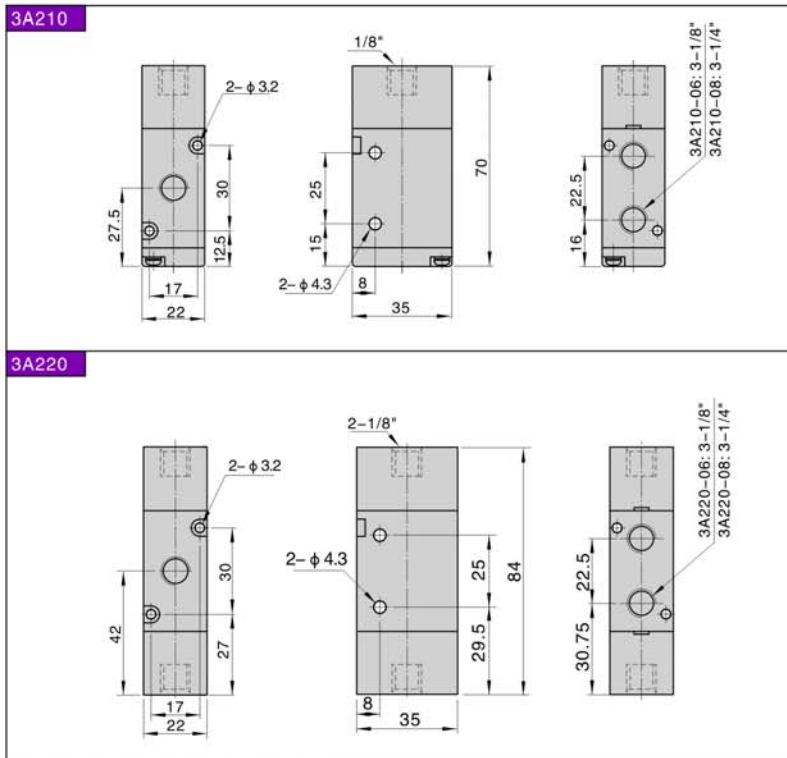
- ① NPT thread and G thread are available;
 ② It can not stop in the midway of lubricating. Lubricants like ISO VG32 or equivalent are recommended.
 ③ The maximum actuation frequency is in the no-load state.

Ordering code



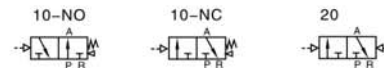
① Remark: 2 position double control air valve has no differences between normally opened and normally closed state, thus this code is blank.

Dimensions



3A200

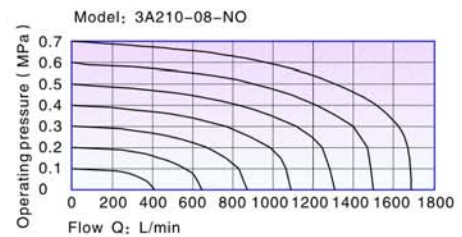
Symbol



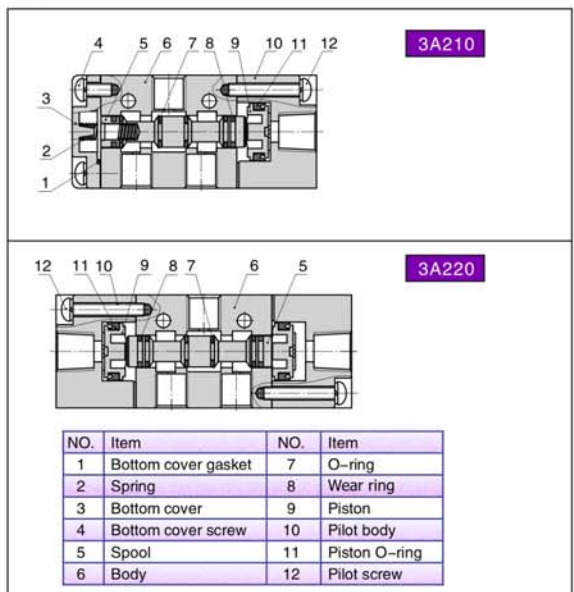
Product feature

- Structure in sliding column mode: good tightness and sensitive reaction;
- Double air control valves have memory function;
- Internal hole adopts special processing technology which has little attrition friction, low start pressure and long service life;
- No need to add oil for lubrication;
- Multi-mounting helps to install and apply.

Flow chart



Inner structure



Air valve (3/2 way)

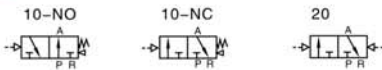
3A300 Series



3A300



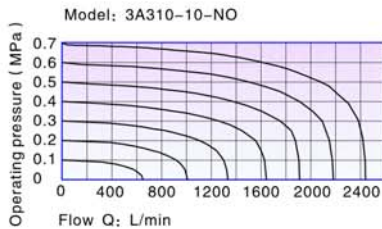
Symbol



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;
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Flow chart



Inner structure

3A310

3A320

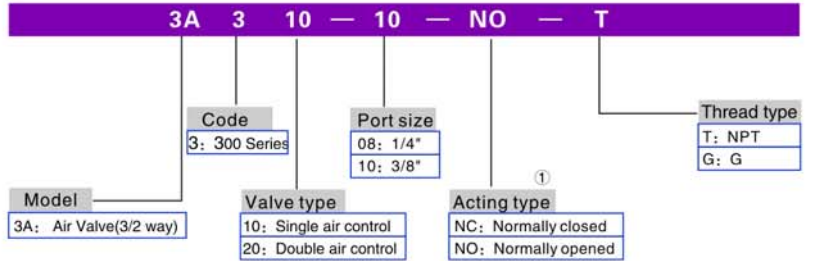
NO.	Item	NO.	Item
1	Bottom cover gasket	7	O-ring
2	Spring	8	Wear ring
3	Bottom cover	9	Piston
4	Bottom cover screw	10	Pilot body
5	Spool	11	Piston O-ring
6	Body	12	Pilot screw

Specification

Model	3A310-08	3A320-08	3A310-10	3A320-10
Fluid	Air(to be filtered by 40um filter element)			
Acting	Exterior control			
Port size ①	In=Out=1/4"		In=Out=3/8"	
Orifice size	254.0mm ² (Cv=1.39)		30.0mm ² (Cv=1.67)	
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 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 of no-load state.

Ordering code



① Remark: 2 position double control air valve has no differences between normally opened and normally closed state, thus this code is blank.

Dimensions

