Airtad

3A300 Series



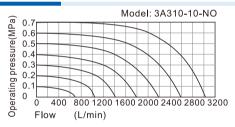
Symbol



Product feature

- Structure in sliding column mode: good tightness and sensitive reaction.
- 2. 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.
- 4. No need to add oil for Jubrication.
- 5. Multi-mounting helps to install and apply.
- 6. Integrate with the manifold to save installation space.

Flow chart



The data in flow rate chart are obtained from AirTAC lab.

Specification

Model	3A310-08	3A320-08	3A310-10	3A320-10			
Fluid	Air(to be filtered by 40µm filter element)						
Acting	Exterior control						
Port size [Note1]	In=Out=1/4"		In=Out=3/8"				
Orifice size(Cv)[Note4]	3A310-10,3A320-10:28.0mm²(Cv=1.65)						
Valve type	3 port 2 position						
Lubrication [Note2]	Not required						
Operating pressure	0.15~0.8MPa(21~114psi)						
Proof pressure	1.2MPa(175psi)						
Temperature	-20~70°C						
Material of body	Aluminum alloy						
Max. frequency [Note3]	5 cycle/sec						

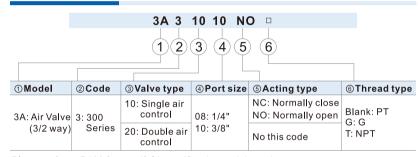
[Note1] PT thread, G thread and NPT thread are available.

[Note2] Once lubricated air is used, continue with same medium to optimise valve life span.Lubricants like ISO VG32 or equivalent are recommended.

 $[Note 3] \ \ The \ maximum \ actuation \ frequency \ is \ in \ the \ no-load \ state.$

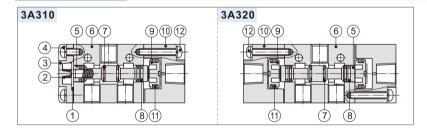
[Note4] Equivalent orifice S and Cv are all calculated from the flow rate data.

Ordering code



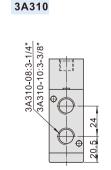
Please refer to P123 for manifold specification and the order way.

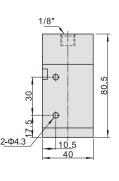
Inner structure

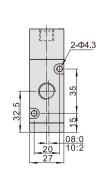


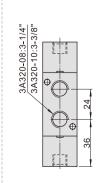
No.	Item	No.	Item	No.	Item
1	Bottom cover gasket	5	Spool	9	Piston
2	Spring	6	Body	10	Pilot body
3	Bottom cover	7	O-ring	11	Piston O-ring
4	Bottom cover screw	8	Wear ring	12	Screw

Dimension









3A320

