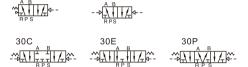
#### 44300 Series





### Symbol

10



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### **Specification**

Model	4A310-08 4A320-08	4A330C-08 4A330E-08 4A330P-08	4A310-10 4A320-10	4A330C-10 4A330E-10 4A330P-10			
Fluid	Air(to be filtered by 40µm filter element)						
Acting	Exterior control						
Port size [Note1]	In=Out=Ex	haust=1/4"	In=Out=3/8" Exhaust=1/4"				
Orifice size(Cv) [Note4]							
Valve type 5 port 2 position 5 port 3 position 5 port 2 position 5 port							
Operating pressure	0.15~0.8MPa(21~114psi)						
Proof pressure	1.2MPa(175psi)						
Temperature	-20~70°C						
Material of body	Aluminum alloy						
Lubrication [Note2]	] Not required						
Max. frequency [Note3]	ote3] 4 cycle/sec 3 cycle/sec 4 cycle/sec 3 cycle/sec			3 cycle/sec			
Weight (g)	(g) 4A310-08:275 4A320-08:365 505 4A310-10:275 4A320-10:365 505						

[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.

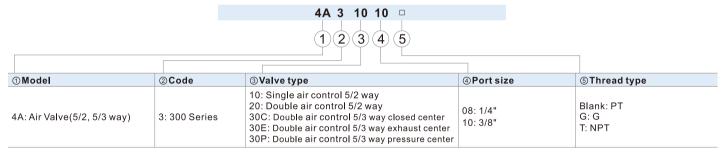
[Note3] The maximum actuation frequency of no-load state.

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

### **Product feature**

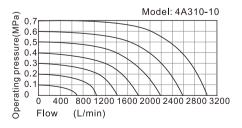
- 1. Structure in sliding column mode: good tightness and sensitive reaction.
- 2. Three position air valves have three kinds of central function for your choice.
- 3. Double air control valves have memory function.
- 4. Internal hole adopts special processing technology which has little attrition friction,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

### Ordering code



Please refer to P124 for manifold specification and the order way.

### Flow chart



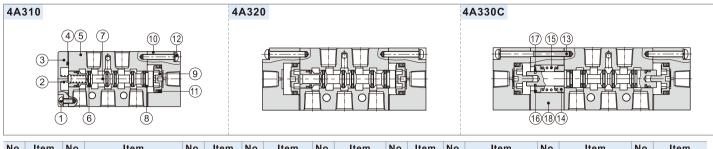
The data in flow rate chart are obtained from AirTAC lab.





# 4A300 Series

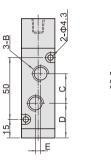
# Inner structure

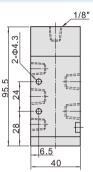


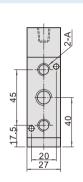
No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item	No.	Item
1	Screw	3	Bottom cover	5	Body	7	Spool	9	Piston	11	O-ring	13	Screw	15	Return Spring	17	E Clip
2	Spring	4	Bottom cover gasket	6	O-ring	8	Wear ring	10	Pilot body	12	Screw	14	Spring holder	16	Spring holder	18	Side cover

# **Dimension**

# 4A310

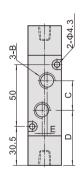


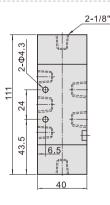


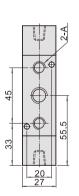


Model\Item	Α	В	С	D	Е
4A310-08	1/4"	1/4"	22	29	0
4A310-10	1/4"	3/8"	24	28	4

# 4A320

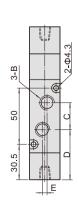


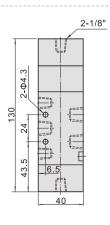


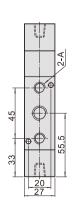


Model\Item	Α	В	С	D	Е
4A320-08	1/4"	1/4"	22	44.5	0
4A320-10	1/4"	3/8"	24	43.5	4

# 4A330







Model\Item	Α	В	С	D	Е
4A330-08	1/4"	1/4"	22	44.5	0
4A330-10	1/4"	3/8"	24	43.5	4