

WINMAN Hava Kontrollü Valf (5/2 yollu, 5/3 yollu) / Air Control Valve (5/2 way, 5/3 way)

4A100 Serisi / 4A100 Series

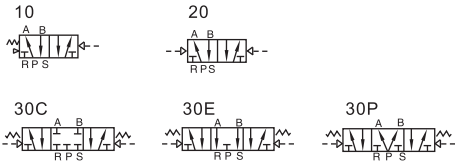

Özellikler / Specification

Model	4A110-M5 4A120-M5	4A130C-M5 4A130E-M5 4A130P-M5	4A110-06 4A120-06	4A130C-06 4A130E-06 4A130P-06
Fluid	Air (to be filtered by 40 µm filter element)			
Acting	Exterior control			
Port size [Note1]	In=Out=M5		In=Out=1/8"	
Orifice size	5.5mm ² (Cv=0.31)	5.0mm ² (Cv=0.28)	12.0mm ² (Cv=0.67)	9.0mm ² (Cv=0.50)
Valve type	5 port 2 position	5 port 3 position	5 port 2 position	5 port 3 position
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]	5 cycle/sec	3 cycle/sec	5 cycle/sec	3 cycle/sec
Weight (g)	4A110-M5:85 4A120-M5:140	165	4A110-06:85 4A120-06:140	165

[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.

Sembol / Symbol

Ürün Özelliği / Product Feature

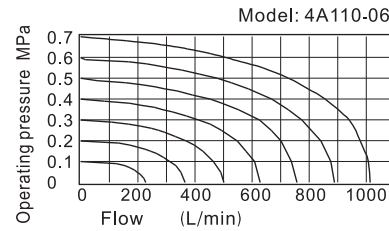
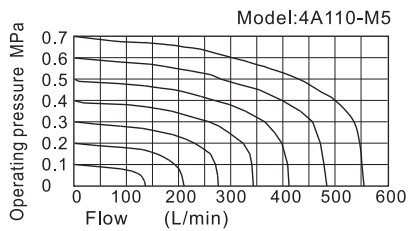
1. Structure in sliding column mode: good tightness and sensitive reaction.
2. Three position solenoid valves have three kinds of central function for your choice.
3. Double control solenoid valves have memory function.
4. Internal hole adopts special processing technology which has little attrition 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.

Sipariş Kodu / Ordering Code
4A 1 10 06 □

① ② ③ ④ ⑤

Model	Code	Valve type	Port size	Thread type
4A: Air Valve(5/2, 5/3 way)	1: 100 Series	10: Single air control 5/2 way 20: Double air control 5/2 way 30C: Double air control 5/3 way closed center 30E: Double air control 5/3 way exhaust center 30P: Double air control 5/3 way pressure center	M5: M5 06: 1/8"	No this code Blank: PT G: G T: NPT

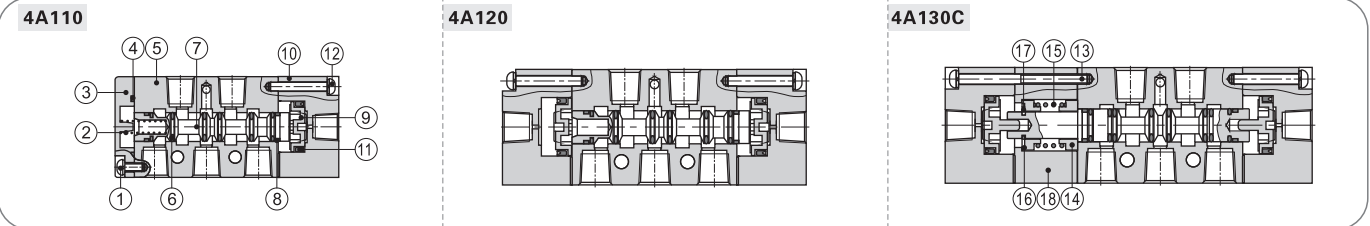
Please refer to 108 for manifold specification and the order way.

Akış Şeması / Flow Chart


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İç Yapı / Inner Structure



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

Boyutlar / Dimensions

4A110

Model / Item	A	B	C	D	E	F	G
4A110-M5	M5X0.8	27	14.7	0	14	21.2	0
4A110-06	1/8"	28	14.2	1	16	20.2	3

4A120

Model / Item	A	B	C	D	E	F	G
4A120-M5	M5X0.8	27	27	0	14	33.5	0
4A120-06	1/8"	28	26.5	1	16	32.5	3

4A130

Model / Item	A	B	C	D	E	F	G
4A130-M5	M5X0.8	27	42	0	14	33.5	0
4A130-06	1/8"	28	41.5	1	16	32.5	3