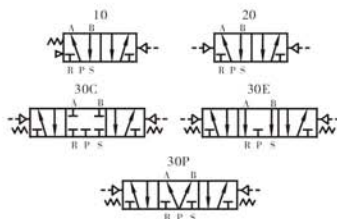


AIR VALVE(5/2 5/3WAY)

4A100 SERIES



Symbol

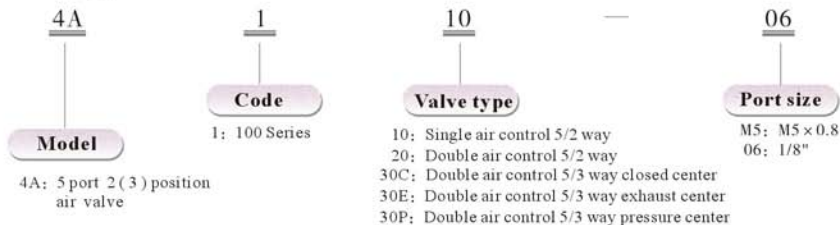


Specification

Item/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 μ filter element)									
Acting	Exterior control									
Valve type	5 port 2 position		5 port 3 position			5 port 2 position		5 port 3 position		
Orifice size	5.5mm ² (Cv=0.31)		5mm ² (Cv=0.28)			12mm ² (Cv=0.67)		9mm ² (Cv=0.50)		
Port size	In=Out=Exhaust=M5					In=Out=Exhaust=1/8"				
Lubrication	Not required									
Pressure range	1.5~8.0 bar(0.15~0.8MPa)(21~114Psi)									
Proof pressure	12 bar(1.2MPa)(171Psi)									
Temperature	-5~60°C (23~140°F)									
Max.frequency	5 cycle/sec		3 cycle/sec			5 cycle/sec		3 cycle/sec		
Weight	120g	175g	200g	200g	200g	120g	175g	200g	200g	200g

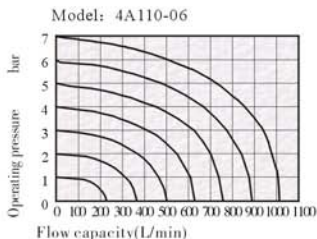
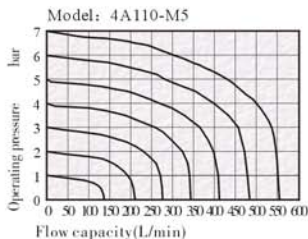
*Note: PT, NPT, BSPP Thread are available.

Ordering code



* Note: Please to refer page I-48 for manifold type and ordering.

Flow chart

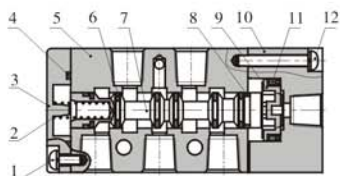


AIR VALVE(5/2 5/3WAY)

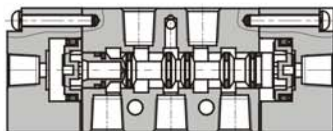
4A100 SERIES

Inner structure

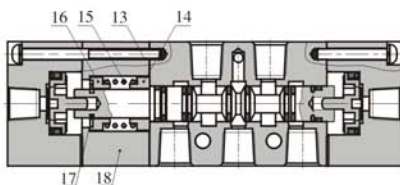
4A110



4A120



4A130C



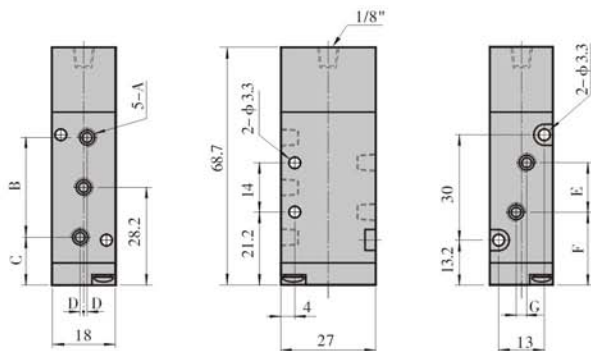
NO.	Item	NO.	Item
1	Bottom cover screw	10	Pilot body
2	Spool spring	11	Piston O-ring
3	Bottom cover	12	Pilot screw
4	Bottom cover gasket	13	Pilot screw
5	Body	14	Return seat
6	Spool O-ring	15	Return spring
7	Spool	16	Return seat
8	Wearing ring	17	E clip
9	Piston	18	Side cover

Material of major parts

Item	4A110	4A120	4A130	Item	4A110	4A120	4A130
Body	Aluminum alloy			Bottom cover	Zinc alloy	-	
Spool	Aluminum alloy			Pilot body	Aluminum alloy		
Spool O-ring	HNBR			Fixed screw	Iron		
Bottom cover gasket	NBR	-		Return spring	Stainless steel	-	
Piston	Plastic			Piston O-ring	NBR		

Dimensions

4A110



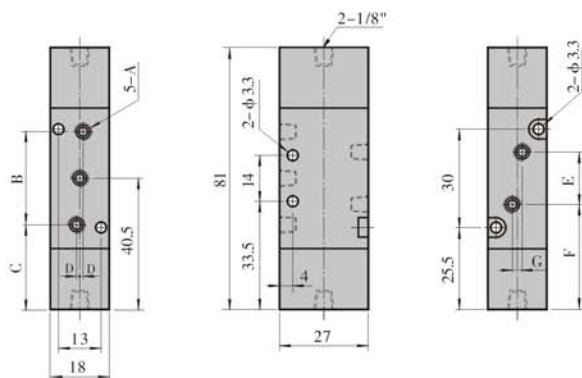
Item/Model	4A110-M5	4A110-06
A	M5 x 0.8	1/8"
B	27	28
C	14.7	14.2
D	0	1
E	14	16
F	21.2	20.2
G	0	3

AIR VALVE(5/2 5/3WAY)

4A100 SERIES

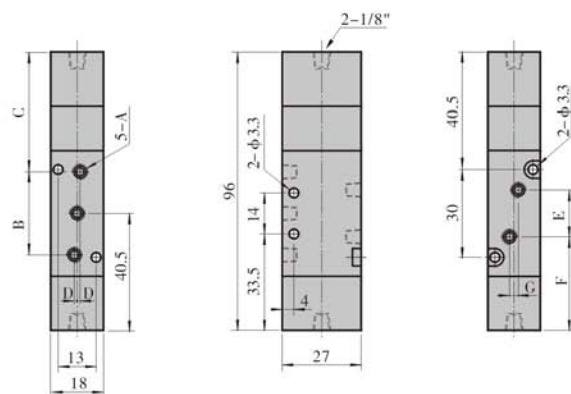
AIRTAC

4A120



Item\Model	4A120-M5	4A120-06
A	M5 x 0.8	1/8"
B	27	28
C	27	26.5
D	0	1
E	14	16
F	33.5	32.5
G	0	3

4A130



Item\Model	4A130-M5	4A130-06
A	M5 x 0.8	1/8"
B	27	28
C	42.2	41.5
D	0	1
E	14	16
F	33.5	32.5
G	0	3