

## RV

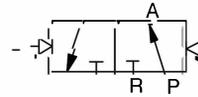
### NAMUR Air Control Valve(3/2, 5/2)



#### RVA Series 3/2



Single Air Control Valve



#### RVA Series 5/2



Single Air Control Valve



### How to Order?

#### Low Power Solenoid Valve

Series No.	Ways	Positions	Valve body ID code	Controls	Initial Status	Port size	Reset Type	Valve Type	Thread Type
RVA	3: 3 ways 5: 5 ways	2:2 positions	2: 2Series 3: 3Series	1: Single control	3/2 Way Blank: Normal close H: Normal open	2 series 08: 1/4" 3 series 08: 1/4" 10: 3/8"	Q: Air return	M: NAMUR	Blank: G P: PT T: NPT

#### Order Example:

RV series air control valve, 3/2 ways, 2 series valve body size, normal close, single control, 1/4" port size, gas reset, NAMUR type, PT thread, ERP code is RVA3221-08QM-P

### Specifications

Model	RVA5221-08M	RVA5231-08M	RVA5231-10M
Port Size	G1/4(Exhaust G1/8)	G1/4	G3/8(Exhaust G1/4)
Sectional area(mm)	2P: 16(CV=0.89)	2P: 25(CV=1.40)	2P: 30(CV=1.68)
Working Medium	Clean air(After 40 μ m filtration)		
Acting type	Outer air control		
Reset type	Air reset		Spring Reset/Air reset
Lubrication	Not Required		
Working Pressure(MPa)	0.15~0.8		
Guaranteed Pressure(MPa)	1.2		
Working Temperature(°C)	-20~70 ( No freezing )		
Insulation Class	F Class		
Max.acting frequency	2 Position: 5 Cycles/s		

Note: 2P: 2 Position 3P: 3 Position

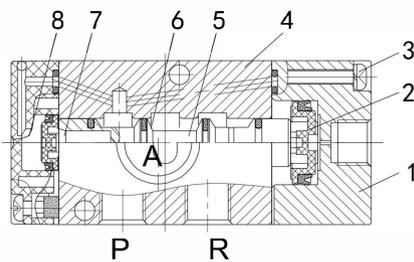
## Specifications

Model	RVA3221-08M	RVA3231-08M	RVA3231-10M
Port Size	G1/4	G1/4	G3/8
Sectional area(mm)	16(CV=0.89)	25(CV=1.40)	30(CV=1.68)
Working Medium	Clean air(After 40 μ m filtration)		
Acting type	Outer air control		
Reset type	Air reset		
Lubrication	Not Required		
Working Pressure(MPa)	0.15~0.8		
Guaranteed Pressure(MPa)	1.2		
Working Temperature(°C)	-20~70 ( No freezing )		
Max.acting frequency	5 Cycles/s		

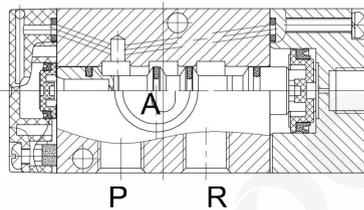
## Internal Structure

### 3/2 Way

Single Air Control(N.C)



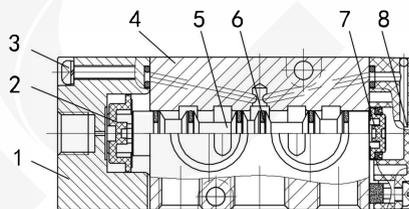
Single Air Control(N.O)



No.	Part Name	Material
1	Air Control Cover	Aluminum alloy
2	Piston	POM
3	Nut	Carbon steel
4	Valve body	Aluminum alloy
5	Spool	Aluminum alloy
6	O-ring	NBR
7	Piston	POM
8	Rear cover	Zinc Alloy

### 5/2 Way

Single Air Control

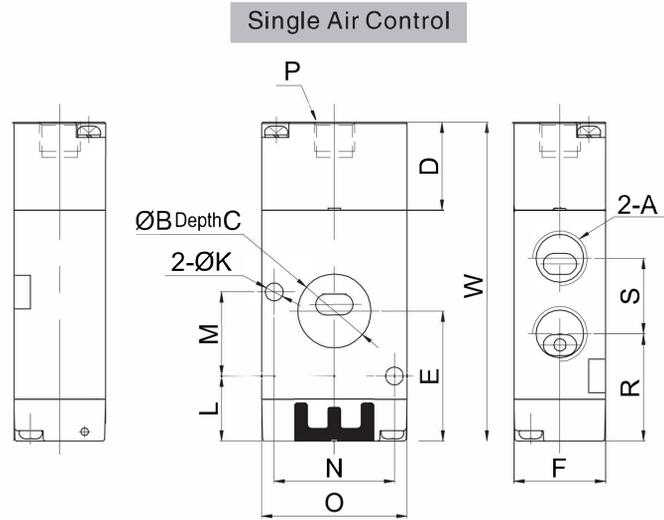


No.	Part Name	Material
1	Air Control Cover	Aluminum alloy
2	Piston	POM
3	Nut	Carbon steel
4	Valve body	Aluminum alloy
5	Spool	Aluminum alloy
6	O-ring	NBR
7	Piston	POM
8	Rear cover	Zinc Alloy
9	Back seat	Aluminum alloy
10	Spring seat	Aluminum alloy
11	C type buckle	65Mn

## Main Dimension



### 3/2 Way

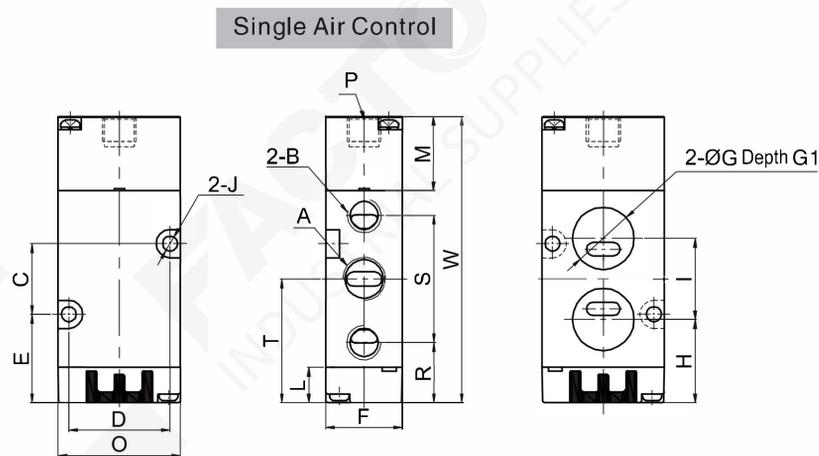


(mm)

Model/Sign	A	B	C	D	E	F	K	L	M	N	O	P	R	S	W	W1*
RVA3221-08QM	G1/4	17.6	1.5	21	31	22	4.3	15.5	20	29	35	G1/8	25.5	18	76	87
RVA3231-08QM	G1/4	19.6	1.5	23	42.1	27	5.2	18.1	24	32	40	G1/8	31.1	21	94.6	106
RVA3231-10QM	G3/8	19.6	1.5	23	42.1	27	5.2	18.1	24	32	40	G1/8	30.1	23	94.6	106

Note: The dimensions of N.O type and N.C type are same, w1 is double control direction valve's dimensions.

### 5/2 Way



(mm)

Model/Sign	A	B	C	D	E	F	G	G1	H	I	J	M	O	P	R	S	T	W	W1*	W2*
RVA5221-08QM	G1/4	G1/8	20	29	25	22	17.6	1.5	23.5	23	4.3	21	35	G1/8	17	36	35	81	92	111
RVA5231-08QM	G1/4	G1/4	24	32	32.1	27	19.6	1.5	32.1	24	5.2	23	40	G1/8	21.6	45	44.1	99.6	111	130
RVA5231-10QM	G3/8	G1/4	24	32	32.1	27	19.6	1.5	32.1	24	5.2	23	40	G1/8	21.6	45	44.1	99.6	111	130

Note:W1 is double control direction valve's dimensions, W2 is three position air control valve's demensions.