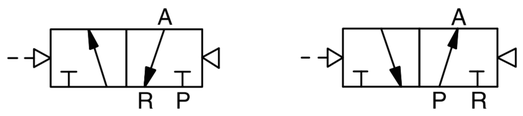
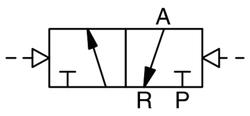
RV

Air Control Valve(3/2)

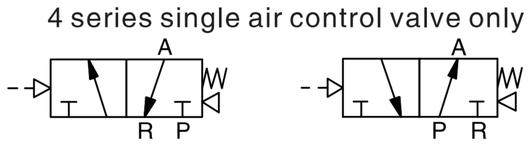
1,2,3 series single air control valve



Double control valve



4 series single air control valve only



How to Order?

Series No.	Ways	Positions	Valve Body ID Code	Controls	Initial Status	—	Port Size	Reset Type	—	Thread Type
RVA	3: 3 ways	2:2 positions	1: 1Series 2: 2Series 3: 3Series 4: 4Series	1: Single control 2: Double control	Blank: Normal close(N.C) H:Normal open(N.O)		M5: M5 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2"	Blank: Spring return (Apply to 4 series single control valve) Q: Air return (Apply to 1,2,3 series single control valve)		Blank: G

Order Example:

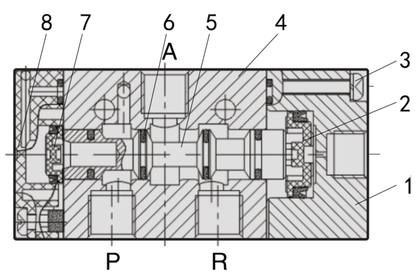
RVA series air control valve, 3/2 way, 2 series valve body size, single control, NC type, 1/4" port size, air return, G thread
ERP code is: RVA3221–08Q

Specifications

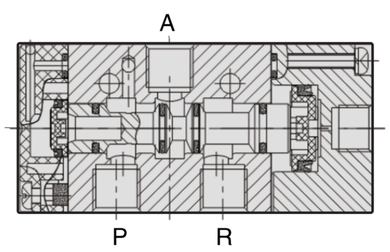
Model No.	RVA3211–M5 RVA3212–M5	RVA3211–06 RVA3212–06	RVA3221–06 RVA3222–06	RVA3221–08 RVA3222–08	RVA3231–08 RVA3232–08	RVA3231–10 RVA3232–10	RVA3241–10 RVA3242–10	RVA3241–15 RVA3242–15
Port size	M5	G1/8	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2
Sectional area(mm)	5.5(CV=0.31)	12(CV=0.67)	14(CV=0.78)	16(CV=0.89)	25(CV=1.40)	30(CV=1.68)	50(CV=2.79)	50(CV=2.79)
Working medium	Clean air(After 40 μm filteration)							
Acting type	External type							
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(℃)	–20~70(No freezing)							
Max. acting frequency	5 Cycles/s							
Weight(g)	RVA3211:60 RVA3212:75		RVA3221:116 RVA3222:143		RVA3231:187 RVA3232:220		RVA3241:378 RVA3242:430	

Internal Structure

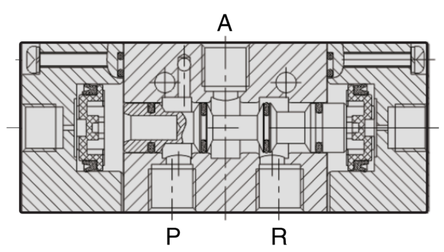
Single Air Control(N.C)



Single Air Control(N.O)



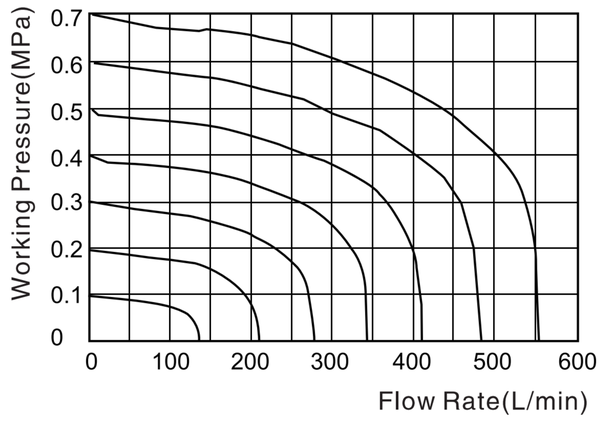
Double Air Control



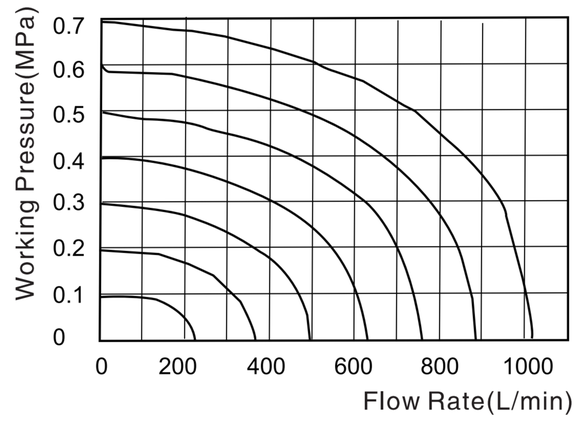
No.	Part Name	Material
1	Air Control Cover	Aluminum Alloy
2	Piston	POM
3	Screw	Carbon Steel
4	Valve Body	Aluminum Alloy
5	Spool	Aluminum Alloy
6	O–ring	NBR
7	Piston	POM
8	Rear Cover	Zinc Alloy

Flow Chat

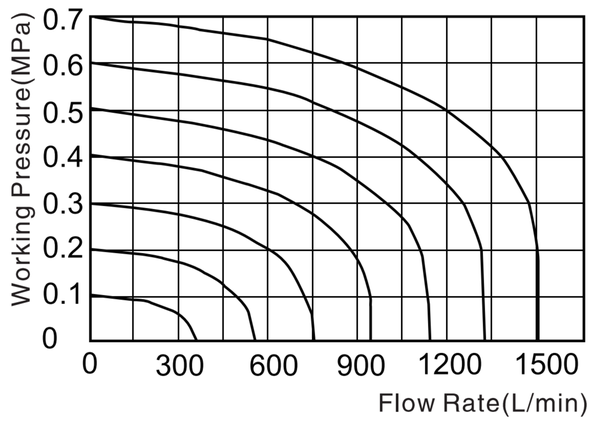
RVA3211–M5



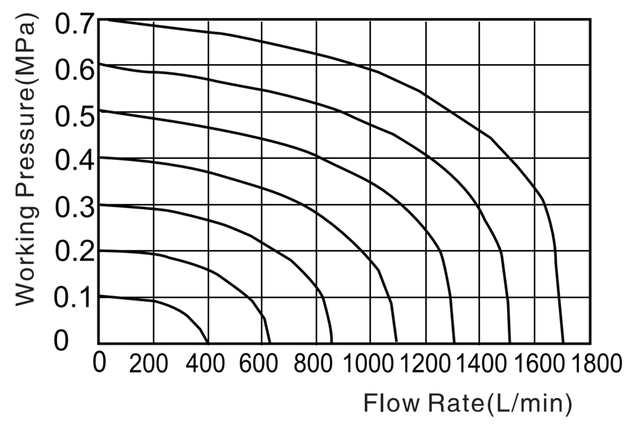
RVA3211–06



RVA3221–06

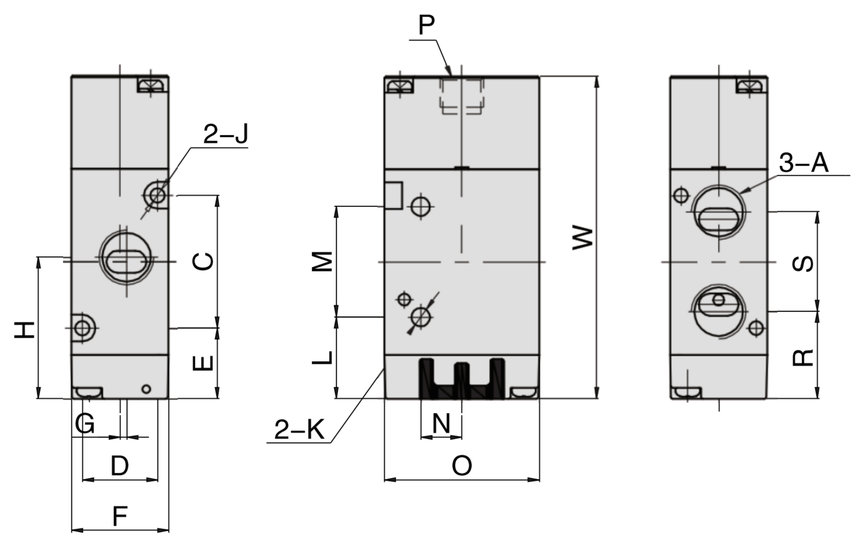


RVA3221–08

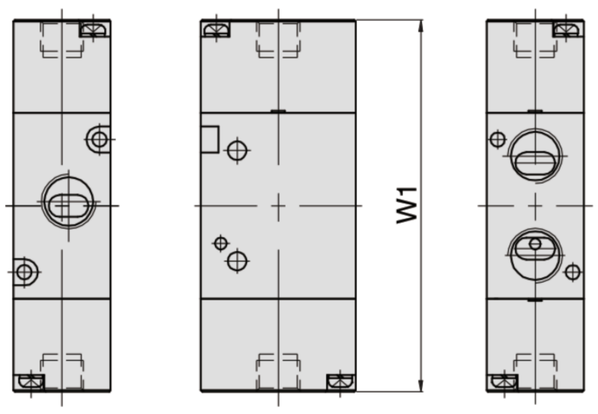


Main Dimension

Single Air Control



Double Air Control



Model/Sign	A	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	W	W1*
RVA3211–M5	M5	19	13	16.5	18	0	26	3.3	3.1	15.5	21	6	27	G1/8	18.9	14.2	61	70
RVA3211–06	G1/8	19	13	16.5	18	1.5	27	3.3	3.1	15.5	21	6	27	G1/8	18	16	61	70
RVA3221–06	G1/8	30	17	16	22	0	31	3.3	4.2	18.5	25	9.3	35	G1/8	20	22	73	84
RVA3221–08	G1/4	30	17	16	22	1.5	32	3.3	4.2	18.5	25	9.3	35	G1/8	19.8	22.5	73	84
RVA3231–08	G1/4	35	20	19.1	27	0	36.6	4.3	4.3	21.6	30	9.5	40	G1/8	24.6	24	84.6	96
RVA3231–10	G3/8	35	20	19.1	27	2	36.6	4.3	4.3	21.6	30	9.5	40	G1/8	24.6	24	84.6	96
RVA3241–10	G3/8	40.5	27	24.8	34	0	45	4.3	5.2	21	48	11.5	50	G1/8	29.3	31.5	103	116
RVA3241–15	G1/2	40.5	27	24.8	34	2	45	4.3	5.2	21	48	11.5	50	G1/8	29.3	31.5	103	116

Note: The dimesnion of N.O type and N.C type are same, W1* is the dimesnion of double control type.