

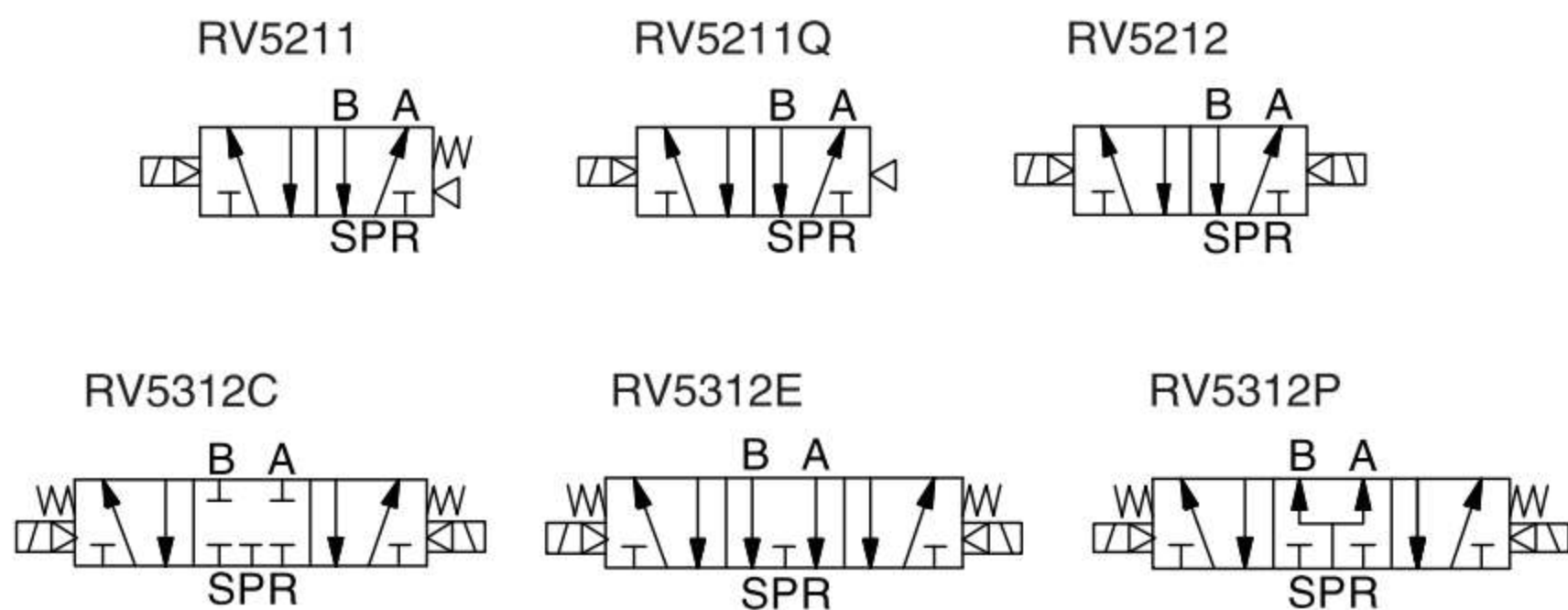
RV Series Standard/ Low Power Solenoid Valve (5/2,5/3 way)



RV

Standard/ Low Power Solenoid Valve(5/2,5/3)

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RV(5/2,5/3)



How to Order?

Low Power Solenoid Valve

Series No.	Valve body size	ID Code	Positions	Ways	Controls	Original Status	—	Port Size	Reset Form	Voltage	Connection Mode	Cover Color	Acting Type	—	Patchcord	—	Thread Type
N	1: 1Series 2: 2Series 3: 3Series 4: 4Series	R: Standard armature +Energy saving coil	2: 2 positions 3: 3 positions	5: 5 ways		C: Center close P: Center pressure E: Center exhaust (Only for 5/3 way)		M5: M5 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2"	Blank: Spring Q: Air (Only single control)	E1: AC110V E2: AC220V E4: DC24V (1 Serie only DC24V)	Blank: DIN connector type L: Plug-in Type K: Water proof connector type (only for 2,3,4 series)	Blank: Brown translucent J: Colorless and translucent B: Black (K/M connector is only available in black)	Blank: Internal pilot WB: External pilot				Blank: G P: PT T: NPT

Order Example:

RV series solenoid valve, 2 series valve body size, standard pilot+Energy saving coil, 5/2 way, single control, 1/4" port size, standard coil DC24V, DIN connector, G thread, FRP code is: N2R251-08E4

Blank: Patchcord length is 0.3 meter
0.6M: Patchcord length is 0.6 meter
1M: Patchcord length is 1 meter
(Options for "L: Plug-in type" Only)

Order Example:
RV series solenoid valve, 2 series valve body size, standard pilot+Energy saving coil, 5/2 way, single control, 1/4" port size, standard coil,DC24V,DIN connector, G thread, ERP code is: N2R251-08E4

Specifications

Model No.	N1R251-M5 N1R252-M5 N1R352-M5	N1R251-06 N1R252-06 N1R352-06	N2R251-06 N2R252-06 N2R352-06	N2R251-08 N2R252-08 N2R352-08	N3R251-08 N3R252-08 N3R352-08	N3R251-10 N3R252-10 N3R352-10	N4R251-10 N4R252-10 N4R352-10	N4R251-15 N4R252-15 N4R352-15
Port size	M5	G1/8	G1/8	G1/4(Ex.G1/8)	G1/4	G3/8(排气G1/4)	G3/8	G1/2
Sectional area(mm²)	5/2:5.5(CV=0.31) 5/3:5.5(CV=0.28)	5/2:12(CV=0.67) 5/3:9(CV=0.50)	5/2:14(CV=0.78) 5/3:12(CV=0.67)	5/2:16(CV=0.89) 5/3:12(CV=0.67)	5/2:25(CV=1.40) 5/3:18(CV=1.00)	5/2:30(CV=1.68) 5/3:18(CV=1.00)	5/2:50(CV=2.79) 5/3:30(CV=1.67)	5/2:50(CV=2.79) 5/3:30(CV=1.67)
Working medium	Clean air(After 40 μ m filtration)							
Acting type	Internal pilot type / External pilot 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)							
Voltage range	-15%~10%							
Power consumption	DC24V:0.6W		DC24V:0.7W AC220V:0.9VA AC110V:1.4VA					
Insulation class	Class F							
Protective class	IP65(DIN40050)							
Max. acting frequency	5/2: 5 Cycles/s; 5/3: 3 Cycles/s							
Activate time(S)	<0.05							
Weight(g)	N1R251: 110 N1R252: 171 N1R352: 181		N2R251: 209 N2R252: 314 N2R352: 357		N3R251: 289 N3R252: 400 N3R352: 450		N4R251: 528 N4R252: 638 N4R352: 727	

RV Series Standard/ Low Power Solenoid Valve (5/2,5/3 way)



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RV(5/2,5/3)

How to Order?

Standard Solenoid Valve

Series No.	Ways	Positions	Valve Body Size	Controls	Original Status	—	Port Size	Reset Form	Voltage	Connection Mode	Cover Color	Acting Type	— Patchcord —	Thread Type									
RV	5:5 ways	2:2 positions 3:3 positions	1: 1Series 2: 2Series 3: 3Series 4: 4Series	C: Center close P: Center pressure E: Center exhaust (Only for 5/3 way)			M5: M5 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2"		<table><tr><td>E1: AC110V</td><td>E6: AC36V</td></tr><tr><td>E2: AC220V</td><td>E7: AC24V</td></tr><tr><td>E3: AC380V</td><td>E8: DC110V</td></tr><tr><td>E4: DC24V</td><td>E9: DC48V</td></tr><tr><td>E5: DC12V</td><td>E10: DC36V</td></tr></table>	E1: AC110V	E6: AC36V	E2: AC220V	E7: AC24V	E3: AC380V	E8: DC110V	E4: DC24V	E9: DC48V	E5: DC12V	E10: DC36V	Blank: DIN connector L: Plug-in Type F: Flying leads K: Waterproof DIN connector (Only 2、3、4 series is optional for K/M)	Blank: Internal pilot WB: External pilot		Blank: G P: PT T: NPT
E1: AC110V	E6: AC36V																						
E2: AC220V	E7: AC24V																						
E3: AC380V	E8: DC110V																						
E4: DC24V	E9: DC48V																						
E5: DC12V	E10: DC36V																						
								Blank: Spring Q: Air (Only single control)		Blank: Brown translucent J: Colorless and translucent B: Black (K/M connector is only available in black)													

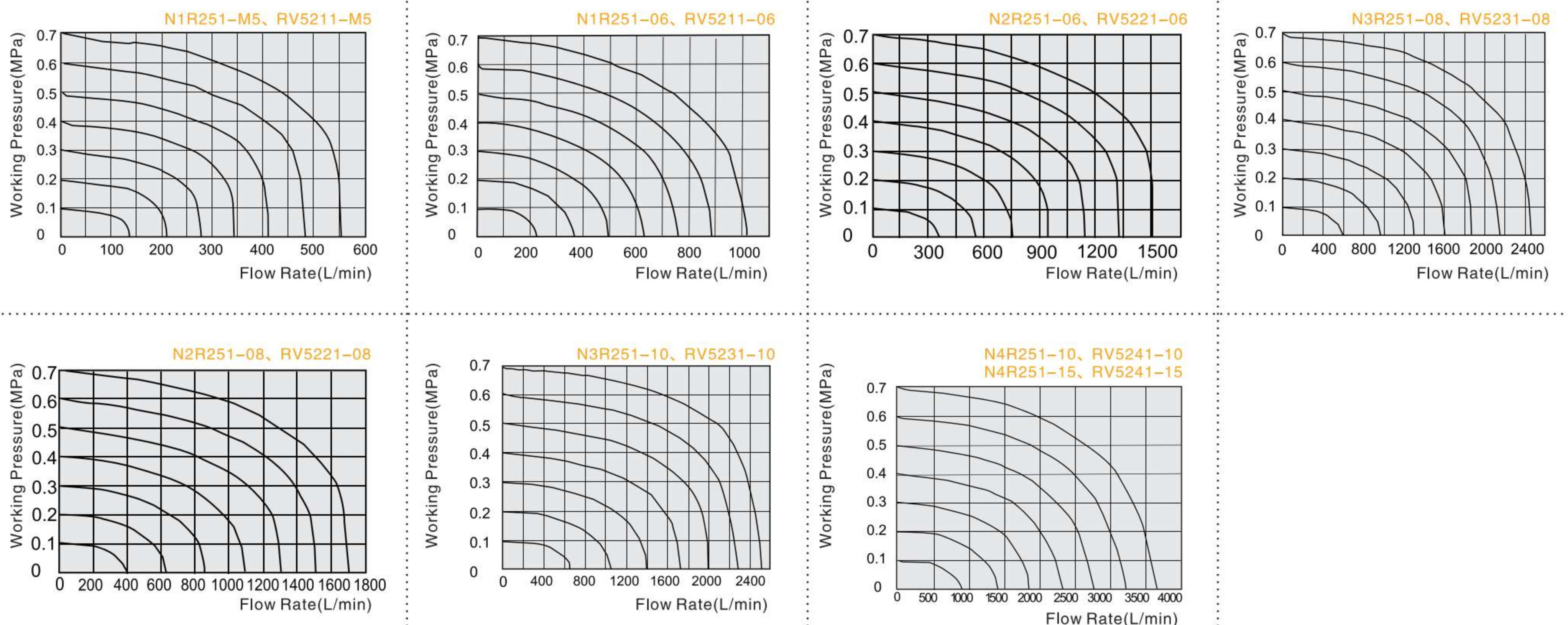
Order Example:

RV series solenoid valve, 2 series valve body size, 5/2 way, single control, 1/4" port size, standard coil, DC24V, DIN connector, G thread, ERP code is: RV5221-08E4

Specifications

Model No.	RV5211-M5 RV5212-M5 RV5312-M5	RV5211-06 RV5212-06 RV5312-06	RV5221-06 RV5222-06 RV5322-06	RV5221-08 RV5232-08 RV5322-08	RV5231-08 RV5232-08 RV5332-08	RV5231-10 RV5232-10 RV5332-10	RV5241-10 RV5242-10 RV5342-10	RV5241-15 RV5242-15 RV5342-15
Port size	M5	G1/8	G1/8	G1/4(Ex.G1/8)	G1/4	G3/8(Ex.G1/4)	G3/8	G1/2
Sectional area(mm ²)	5/2:5.5(CV=0.31) 5/3:5.5(CV=0.28)	5/2:12(CV=0.67) 5/3:9(CV=0.50)	5/2:14(CV=0.78) 5/3:12(CV=0.67)	5/2:16(CV=0.89) 5/3:12(CV=0.67)	5/2:25(CV=1.40) 5/3:18(CV=1.00)	5/2:30(CV=1.68) 5/3:18(CV=1.00)	5/2:50(CV=2.79) 5/3:30(CV=1.67)	5/2:50(CV=2.79) 5/3:30(CV=1.67)
Working medium	Clean air(After 40 μ m filtration)							
Acting type	Internal pilot type / External pilot 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)							
Voltage range	-15%~10%							
Power consumption	DC:2.8W ; AC:3.0VA		DC:3.0W ; AC:4.0VA					
Insulation class	Class F							
Protective class	IP65(DIN40050)							
Max. acting frequency	5/2: 5 Cycles/s; 5/3: 3 Cycles/s							
Activate time(S)	<0.05							
Weight(g)	RV5211: 110 RV5212: 171 RV5312: 181		RV5221: 209 RV5222: 314 RV5322: 357		RV5231: 289 RV5232: 400 RV5332: 450		RV5241: 528 RV5242: 638 RV5342: 727	

Flow Chat



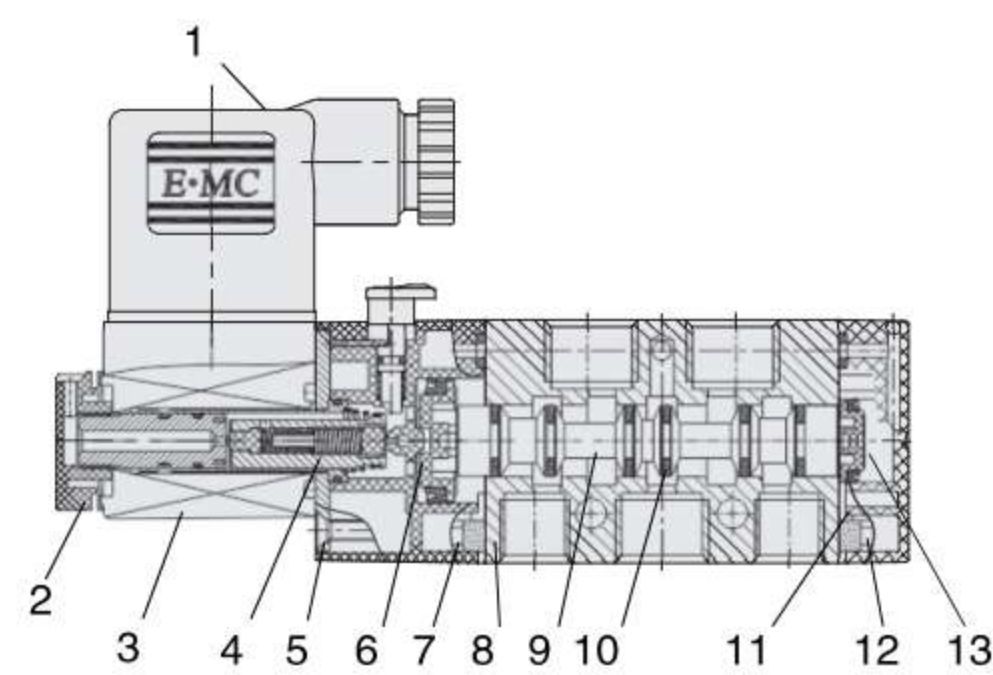
RV Series Standard/ Low Power Solenoid Valve (5/2,5/3 way)



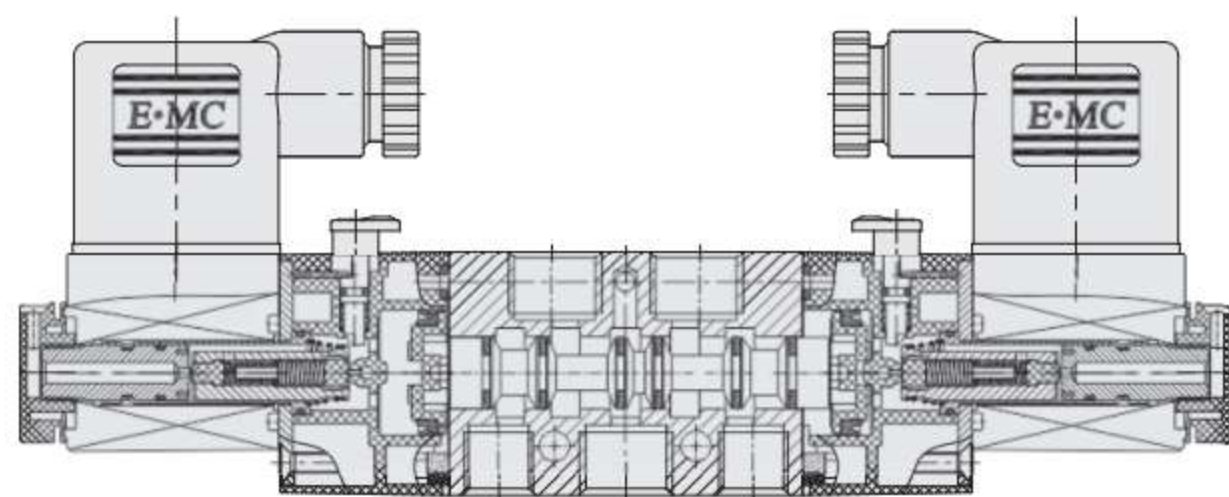
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RV(5/2,5/3)

Internal Structure

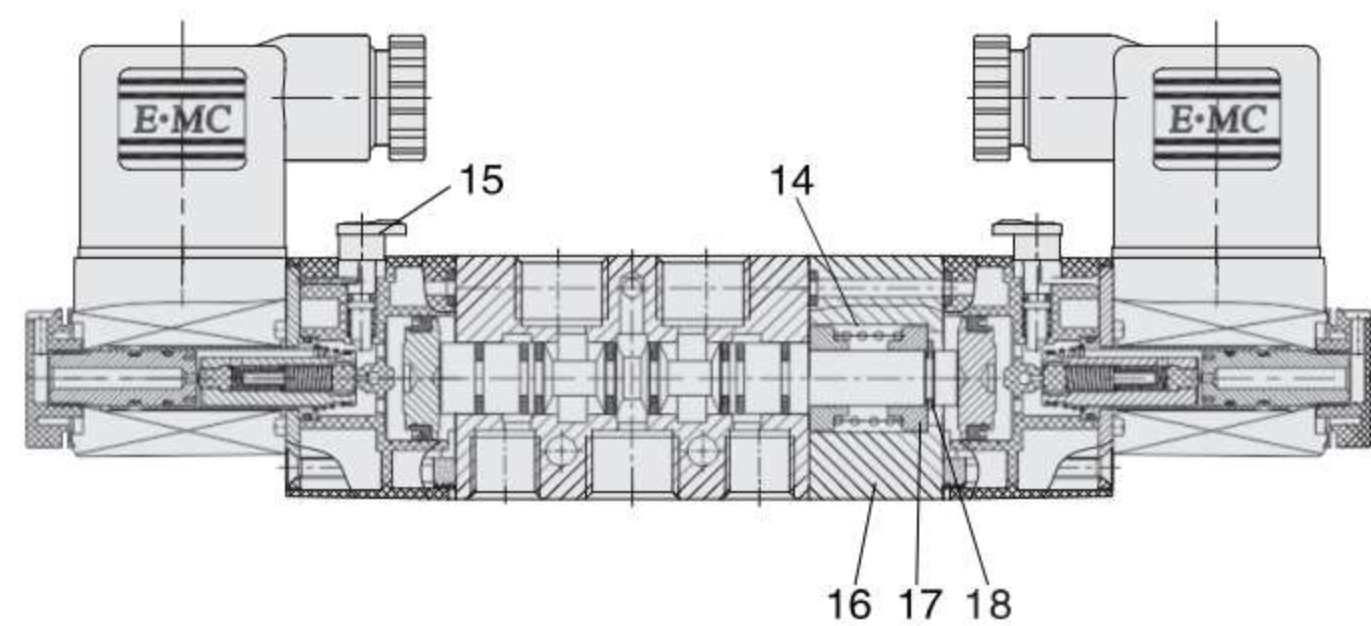
Single Solenoid Valve



Double Solenoid Valve



5/3 Solenoid Valve

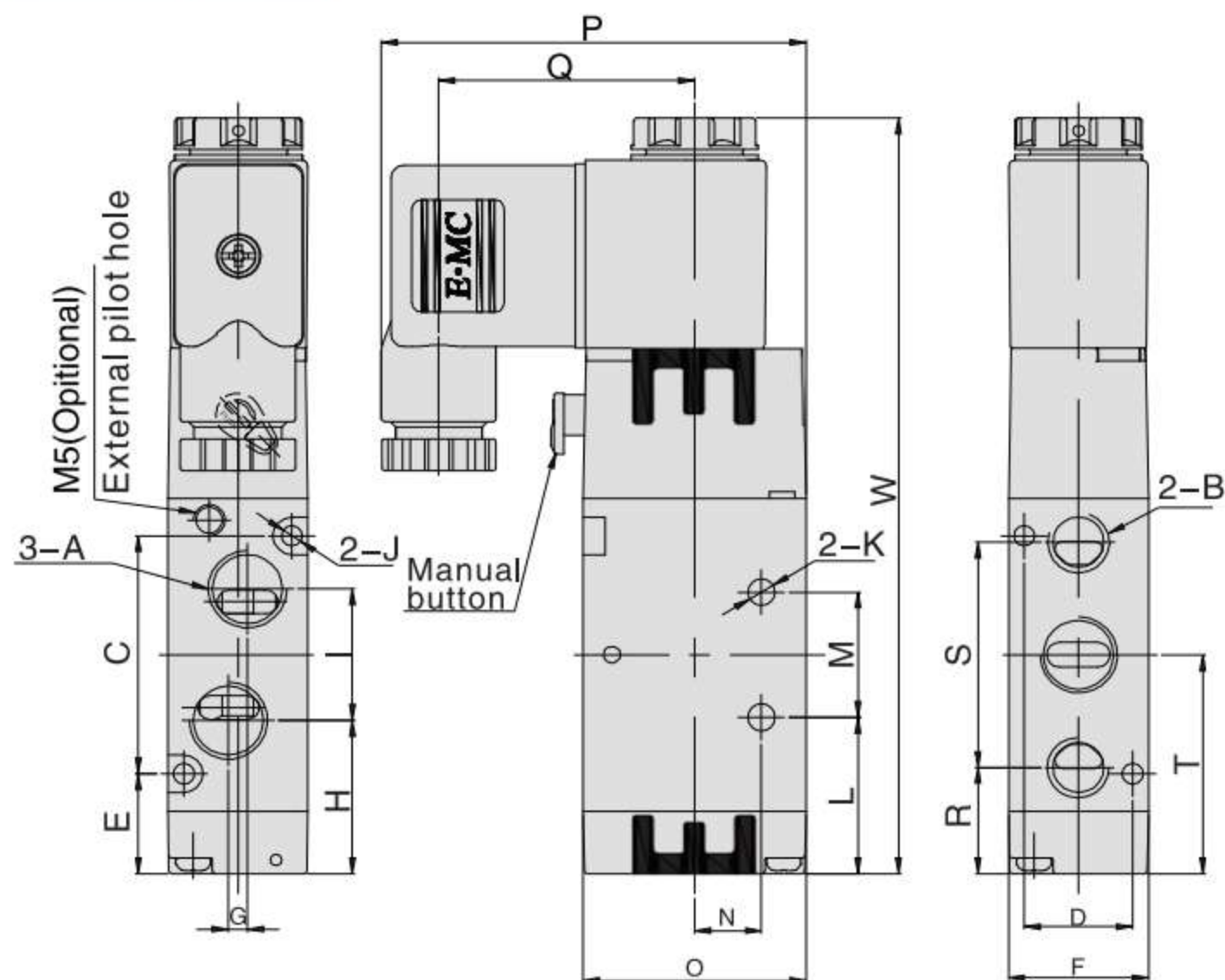


No.	Part Name	Material
1	Connector	Engineered plastics
2	Nut	POM+Carbon steel
3	Coil	Cu
4	Pilot units	Engineered plastics
5	Plate	Carbon steel
6	Piston	POM
7	Pilot seat	Engineered plastics
8	Valve body	Aluminum alloy
9	Spool	Aluminum alloy
10	O-ring	HNBR
11	Rear cover	Engineered plastics
12	Filter	Synthetic material
13	Piston	POM
14	Spring	Stainless steel
15	Manual override	Engineered plastics
16	Back seat	Aluminum alloy
17	Spring seat	Aluminum alloy
18	C-type buckle	65Mn

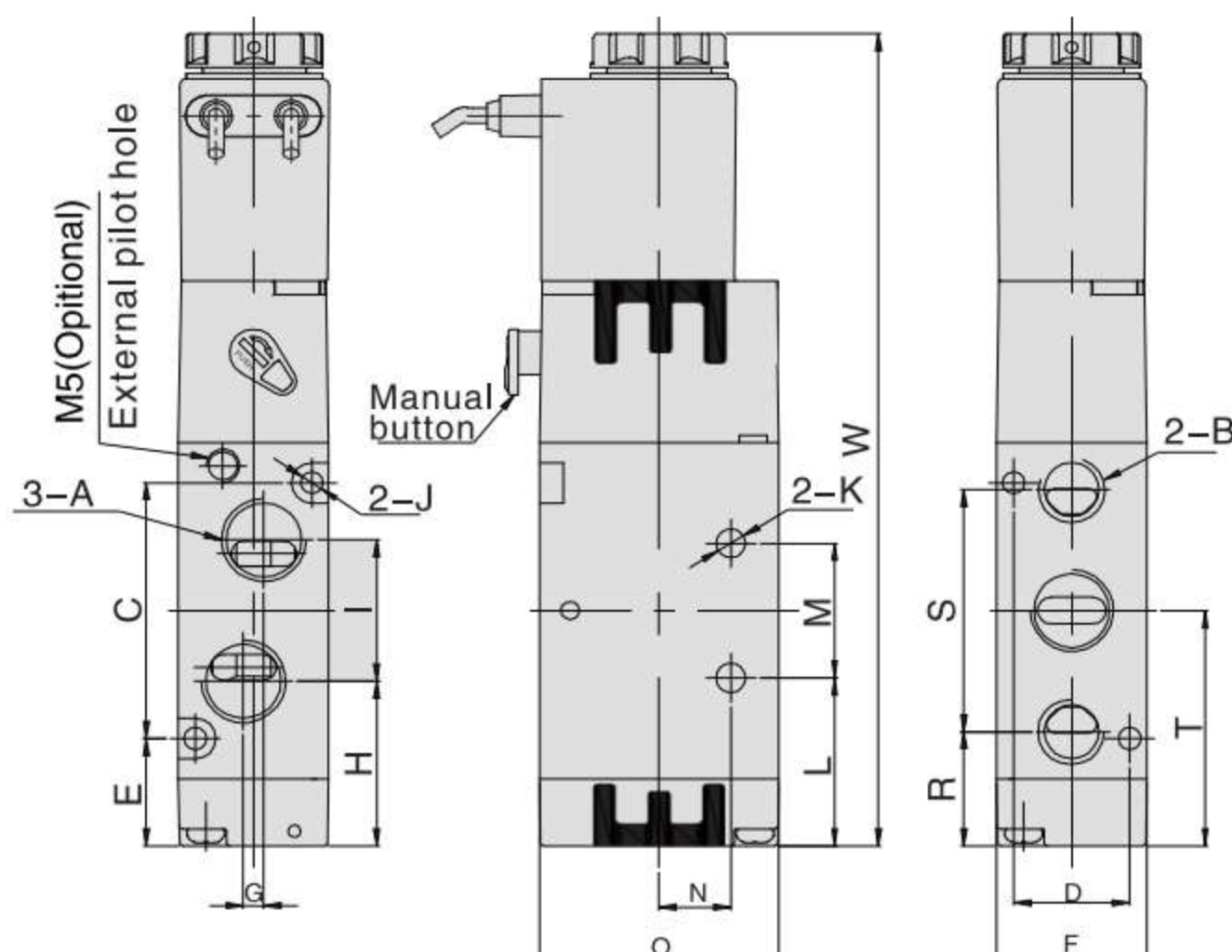
Main Dimension

Single Solenoid Valve

DIN Type



Flying Leads Type



Model\Sign	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	W
RV5211-M5	M5	M5	30	13	16.5	18	0	24.5	14.1	3.3	3.3	24.5	14	9.5	27	55.2	33.9	17.9	27.2	31.5	103.1
RV5211-06	G1/8	G1/8	30	13	16.5	18	3	23.5	16	3.3	3.3	24.5	14	9.5	27	55.2	33.9	17.5	28	31.5	103.1
RV5221-06	G1/8	G1/8	38	17	16	22	0	26	18	3.3	4.3	25	20	10.5	35	66.7	40.2	17	36	35	120.7
RV5221-08	G1/4	G1/8	38	17	16	22	3	24.5	21	3.3	4.3	25	20	10.5	35	66.7	40.2	17	36	35	120.7
RV5231-08	G1/4	G1/4	50	20	19.1	27	0	33.1	22	4.3	4.3	32.1	24	13.5	40	69.2	40.2	21.6	45	44.1	139.3
RV5231-10	G3/8	G1/4	50	20	19.1	27	4	32.1	24	4.3	4.3	32.1	24	13.5	40	69.2	40.2	21.6	45	44.1	139.3
RV5241-10	G3/8	G3/8	72	27	21	34	0	39	36	4.3	5.5	43	28	17.5	50	74.2	40.2	25.5	63	57	168.7
RV5241-15	G1/2	G1/2	72	27	21	34	4	39	36	4.3	5.5	43	28	17.5	50	74.2	40.2	25.5	63	57	168.7

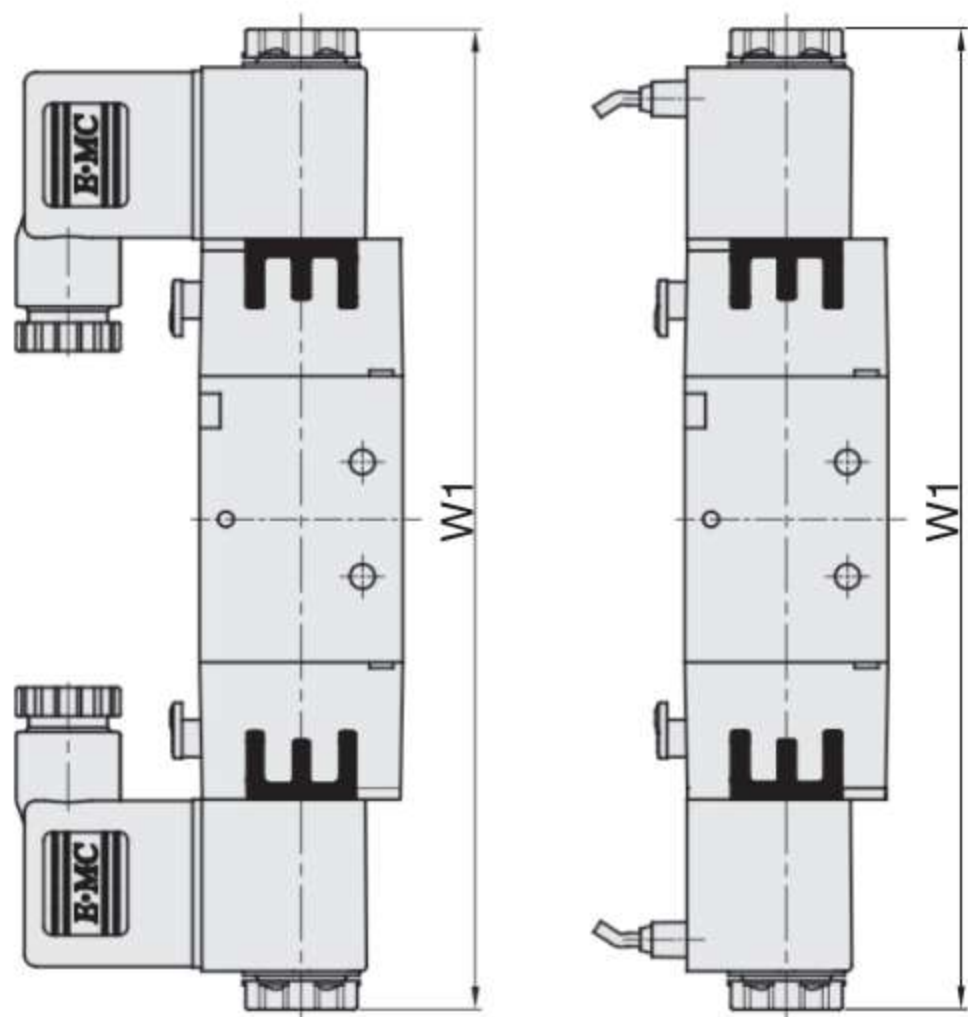
Note: The dimensions of NR series and RV series are same.

Double Solenoid Valve

5/3 Solenoid Valve

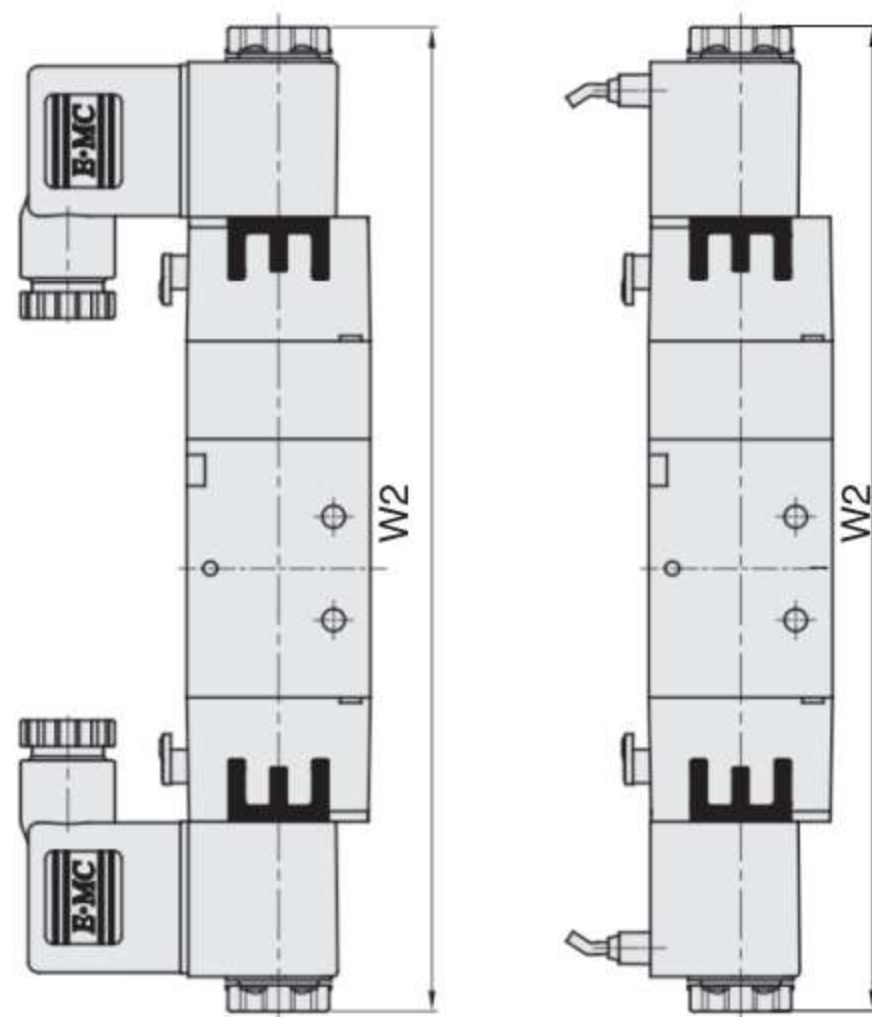
DIN Type

Flying Leads Type



DIN Type

Flying Leads Type



Model\Sign	W1
RV5212-M5	143.2
RV5212-06	143.2
RV5222-06	171.4
RV5222-08	171.4
RV5232-08	190.4
RV5232-10	190.4
RV5242-10	223.4
RV5242-15	223.4
Model\Sign	W2
RV5312-M5	158.2
RV5312-06	158.2
RV5322-06	190.4
RV5322-08	190.4
RV5332-08	209.4
RV5332-10	209.4
RV5342-10	244.4
RV5342-15	244.4

Note: The dimensions of NR series and RV series are same.