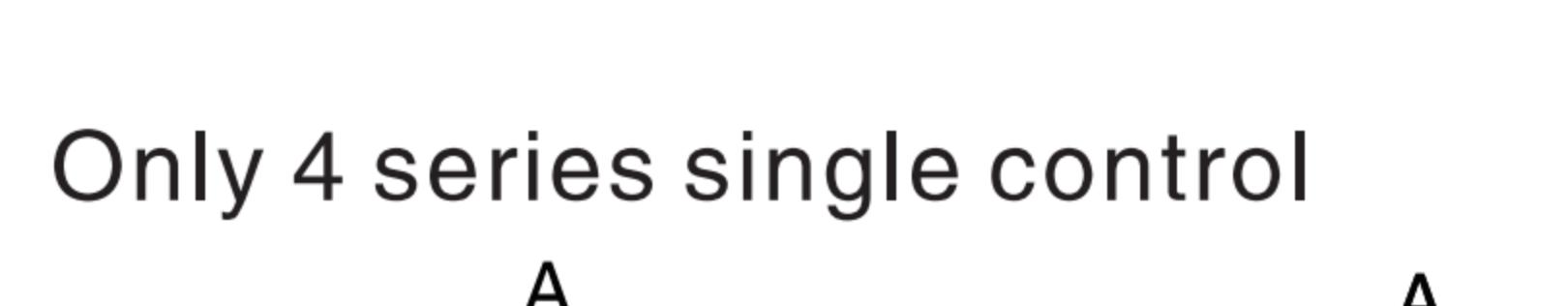


RV

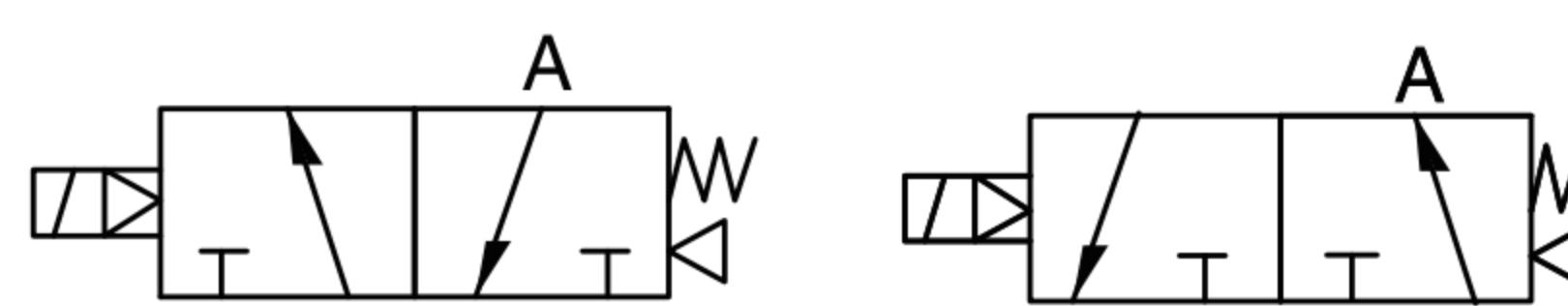
Standard/ Low Power Solenoid Valve (3/2)



Only 1,2,3 series single control



Only 4 series single control



Double control



How to Order?

Low Power Solenoid Valve

Series	Valve body size	ID code	Positions	Ways	Controls	Original Status	Port Size	Reset Type	Voltage	Connection Mode	Cover Color	Acting Type	Patchcord	Thread Type
N	1: 1Series 2: 2Series 3: 3Series 4: 4Series	1R231~1R232	2: positions 3: 3 ways	1: Single control 2: Double control Blank: Normal close H: Normal open	M5: M5 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2"	E1: AC110V E2: AC220V E4: DC24V (for 1series, only DC24V available)	Blank: Brown translucent J: Colorless and translucent B: Black (Only black color available for water proof connector)	Blank: Internal pilot WB: External pilot	Blank: DIN connector type L: Plug-in Type K: Water proof connector type (only for 2,3,4 series)	Blank: G P: PT T: NPT				
R:	Standard armature + Energy saving coil													

Order Example:

RV series energy saving solenoid valve, 2 series valve body size, 3/2 ways, double control, 1/8" port size, AC220V, DIN connector, G thread, ERP code is :N2R232-06E2

Specifications

Model No.	N1R231-M5 N1R232-M5	N1R231-06 N1R232-06	N2R231-06 N2R232-06	N2R231-08 N2R232-08	N3R231-08 N3R232-08	N3R231-10 N3R232-10	N4R231-10 N4R232-10	N4R231-15 N4R232-15		
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 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($^{\circ}\text{C}$)	-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 Cycles/s									
Activate time(S)	<0.05									
Weight(g)	N1R231: 102 N1R232: 169		N2R231: 107 N2R232: 303		N3R231: 260 N3R232: 370		N4R231: 443 N4R232: 569			

Note: Normal open is same as normal close.

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



1

RV(3/2)

How to Order?

Standard Solenoid Valve

Series No.	Ways	Positions	Valve Body ID Code	Controls	Original Status	Port Size	Reset Type	Voltage	Connection Mode	Cover Color	Valve Color	Patchcord	Thread Type
RV	2: 2 ways	1: 1Series 2: 2Series 3: 3Series 4: 4Series	1: Single control 2: Double control 3: 3Series 4: 4Series		M5: M5 06: 1/8" 08: 1/4" 10: 3/8" 15: 1/2"	E1: AC110V E2: AC220V E3: AC380V E4: DC24V E5: DC12V	E6: AC36V E7: AC24V E8: DC110V E9: DC48V 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		
	3: 3 ways			Blank: Normal close H: Normal open	Blank: Spring (Only 4 series single control) Q: Air (1,2,3 series single control)			Blank: Brown translucent J: Colorless and translucent B: Black (Only Waterproof DIN connector)		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" and "F: Flying leads type" Only)			

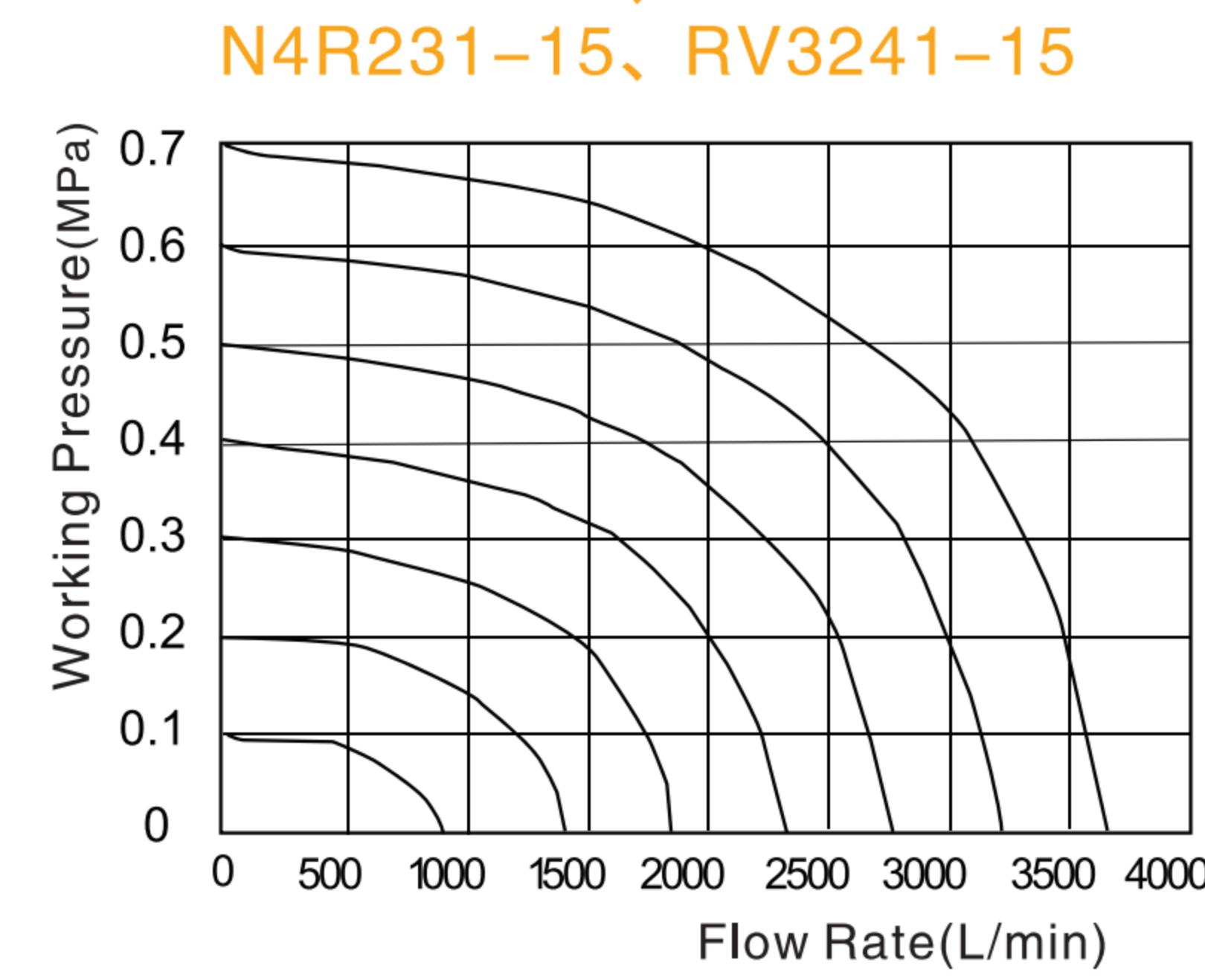
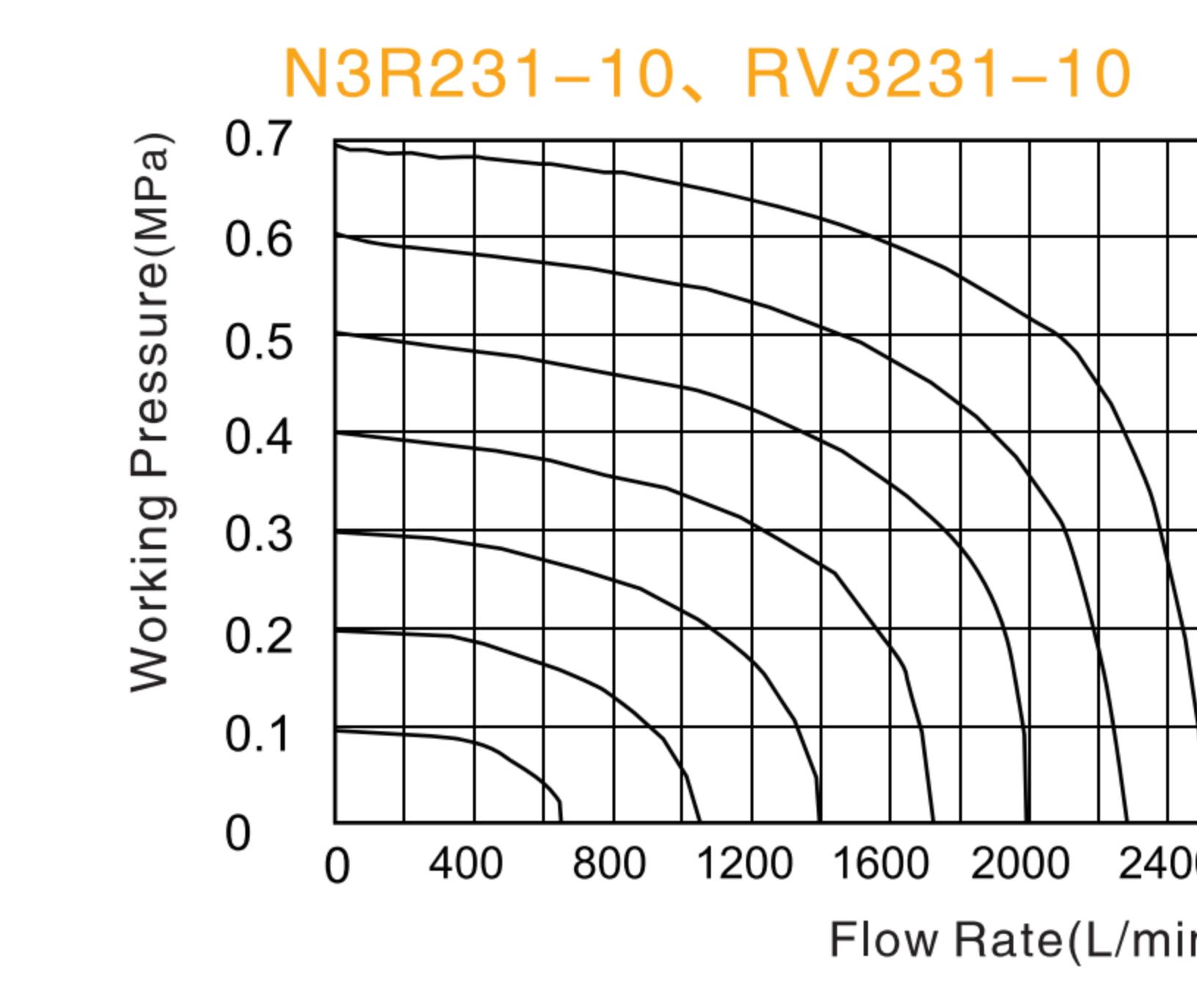
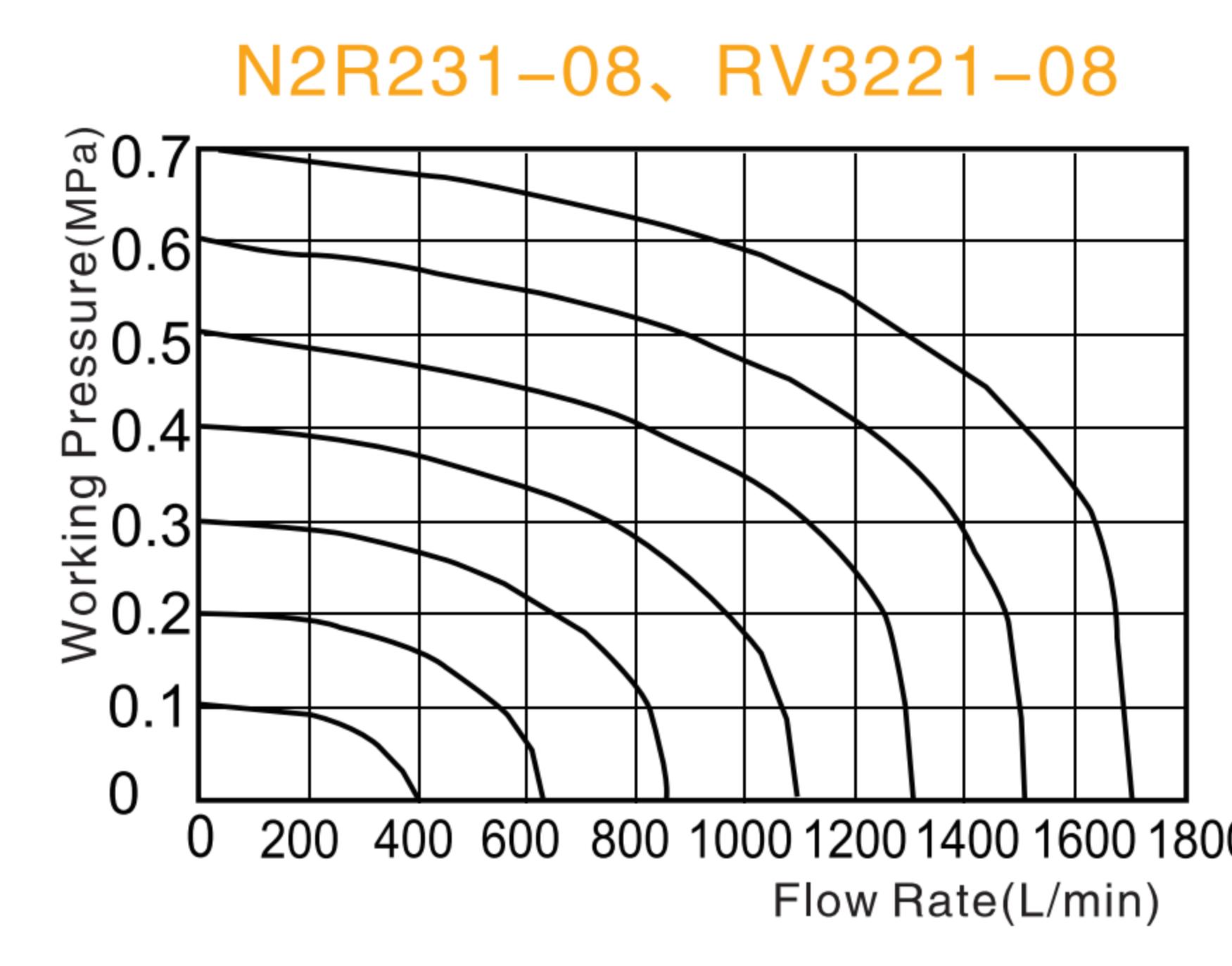
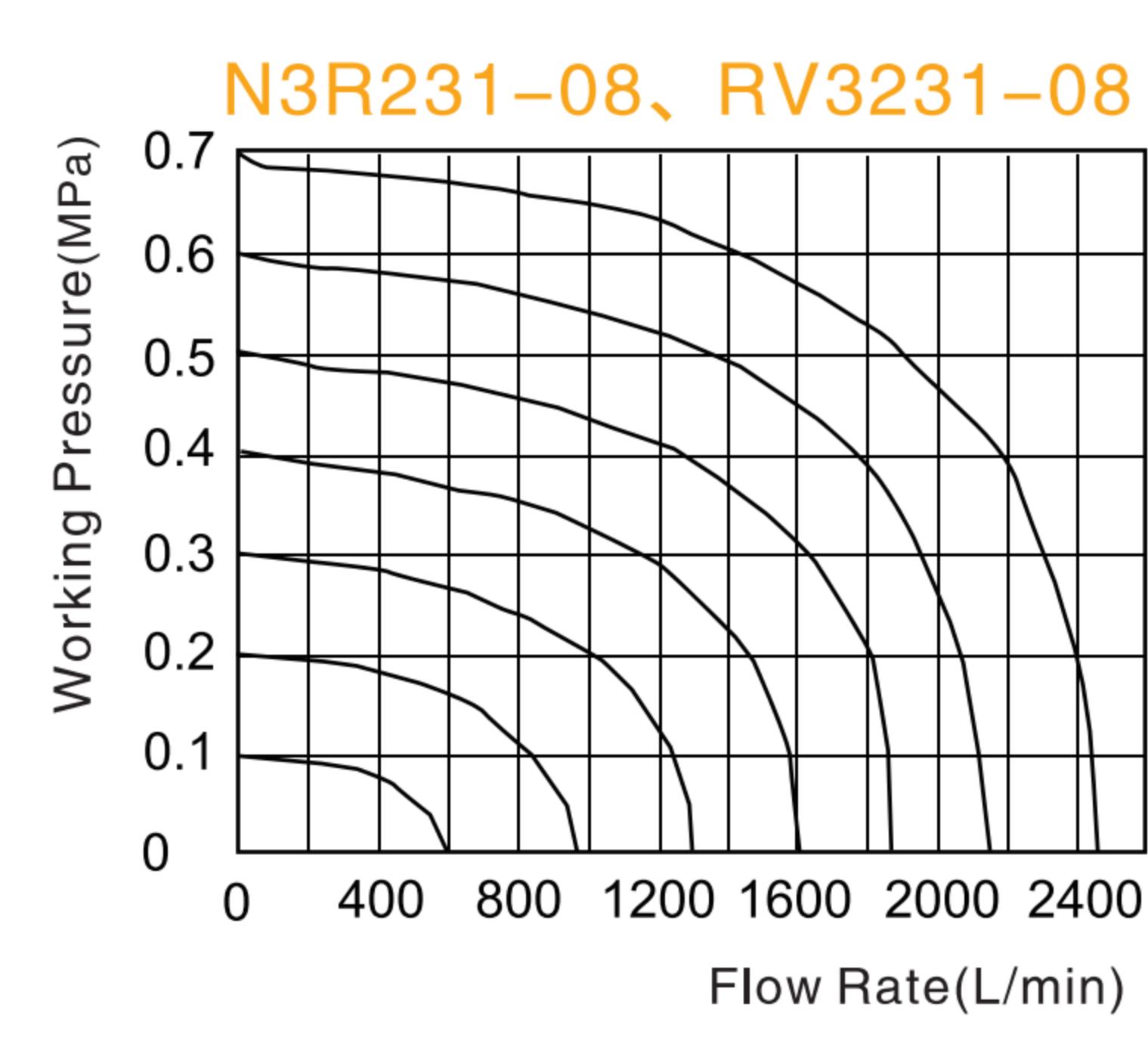
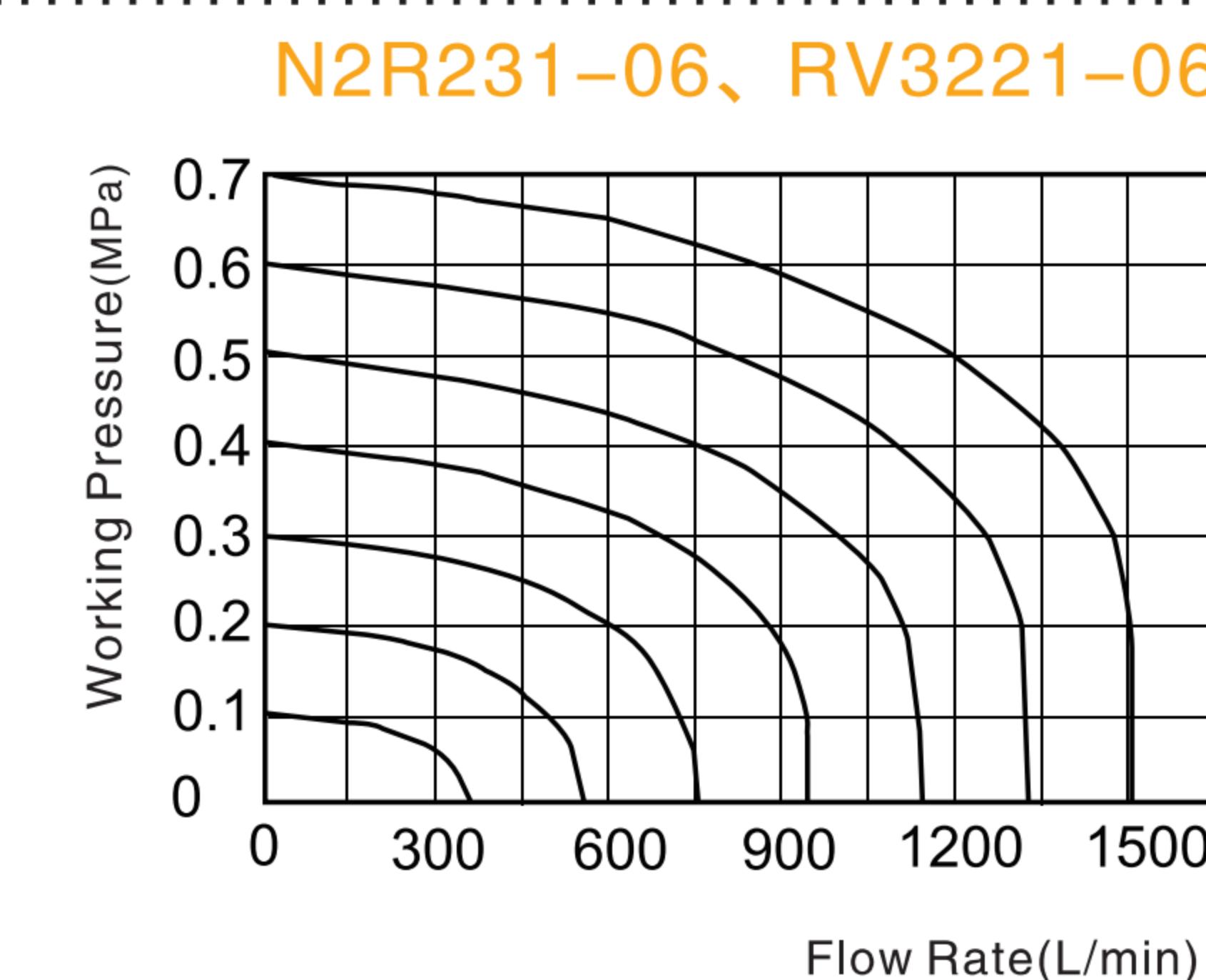
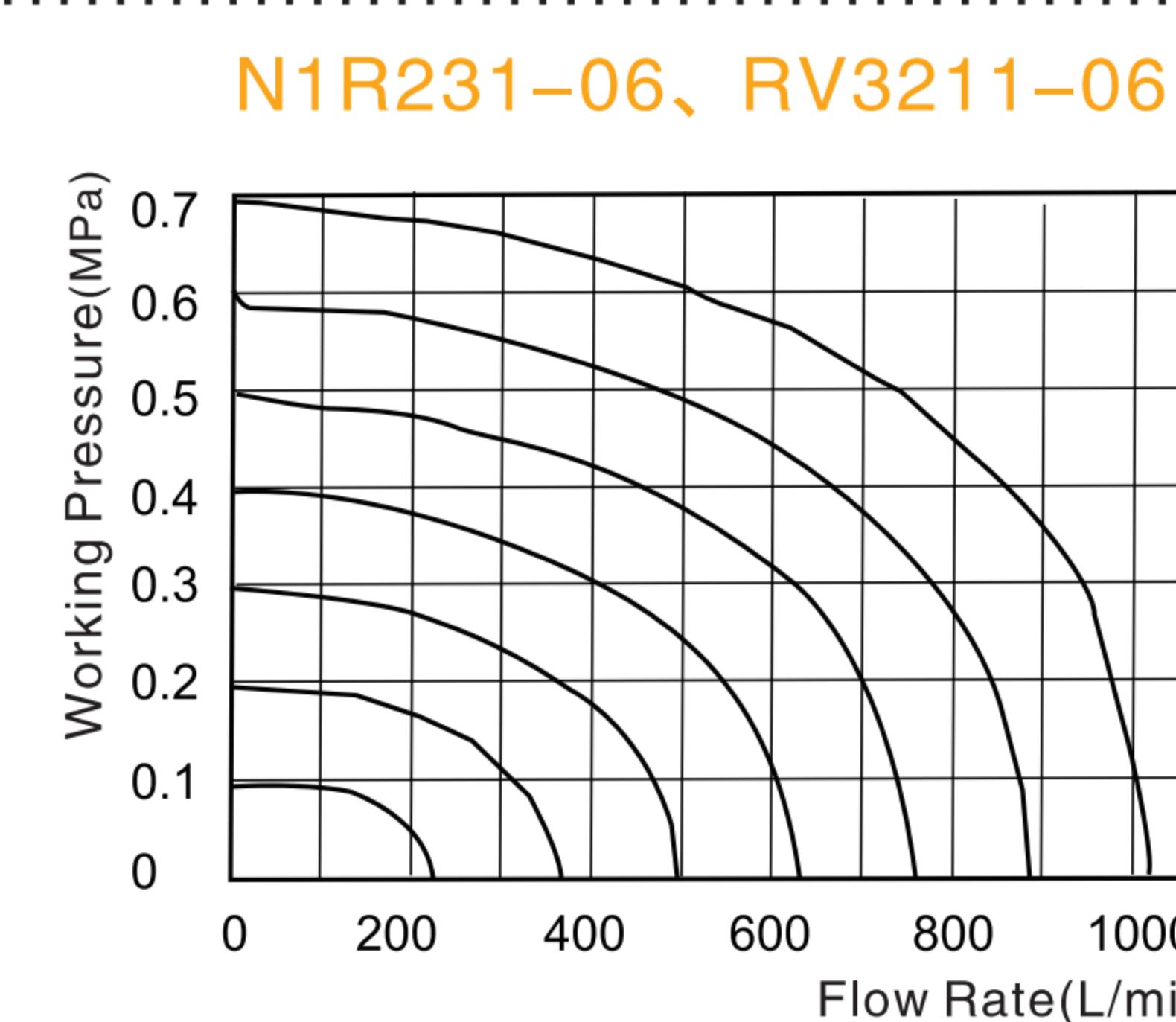
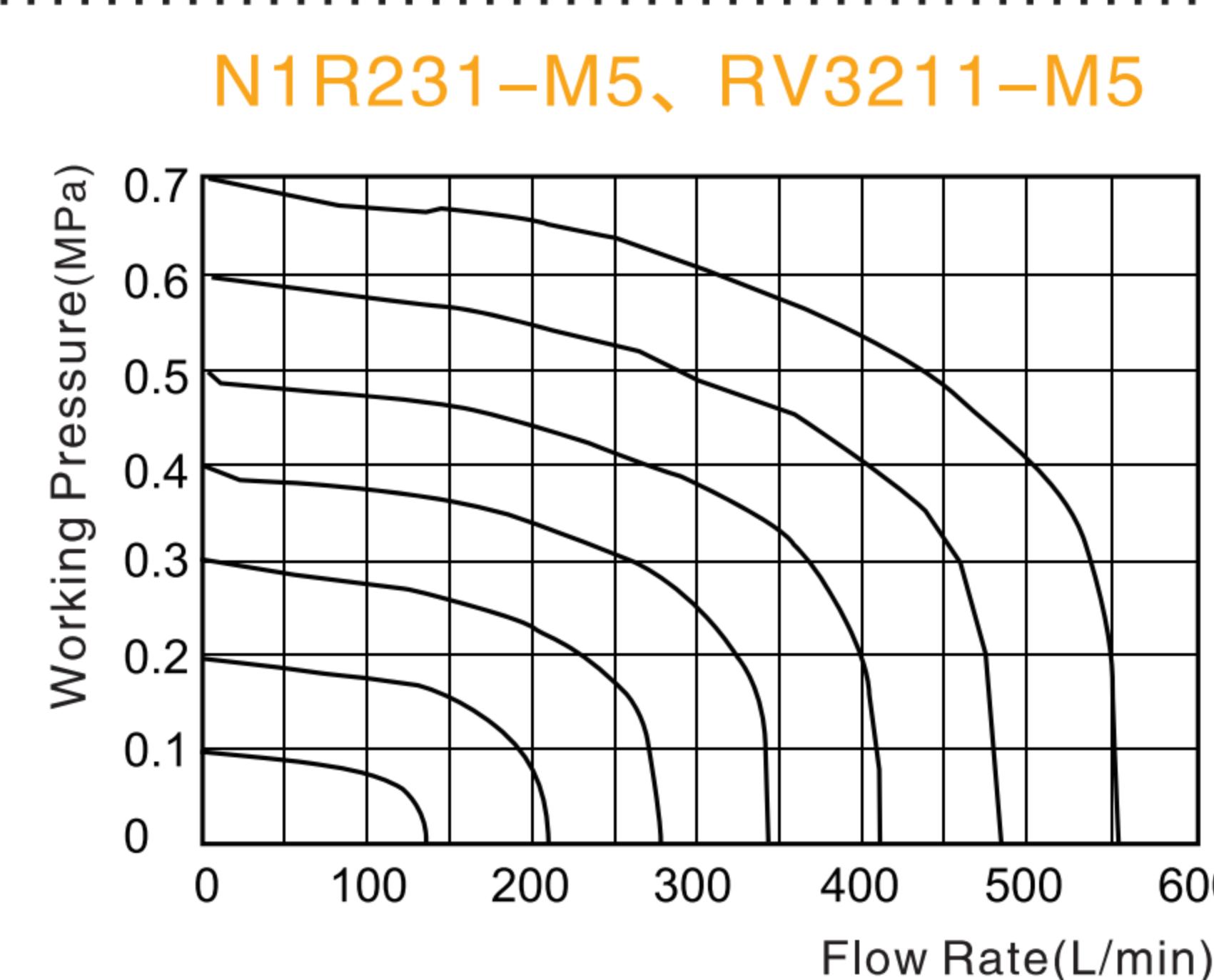
Order Example:

RV series solenoid valve, 2 series valve body size, 3/2 ways, single control, 1/8" port size, air return, standard coil, AC220V, DIN connector, G thread, ERP code is :RV3221-06QE2

Specifications

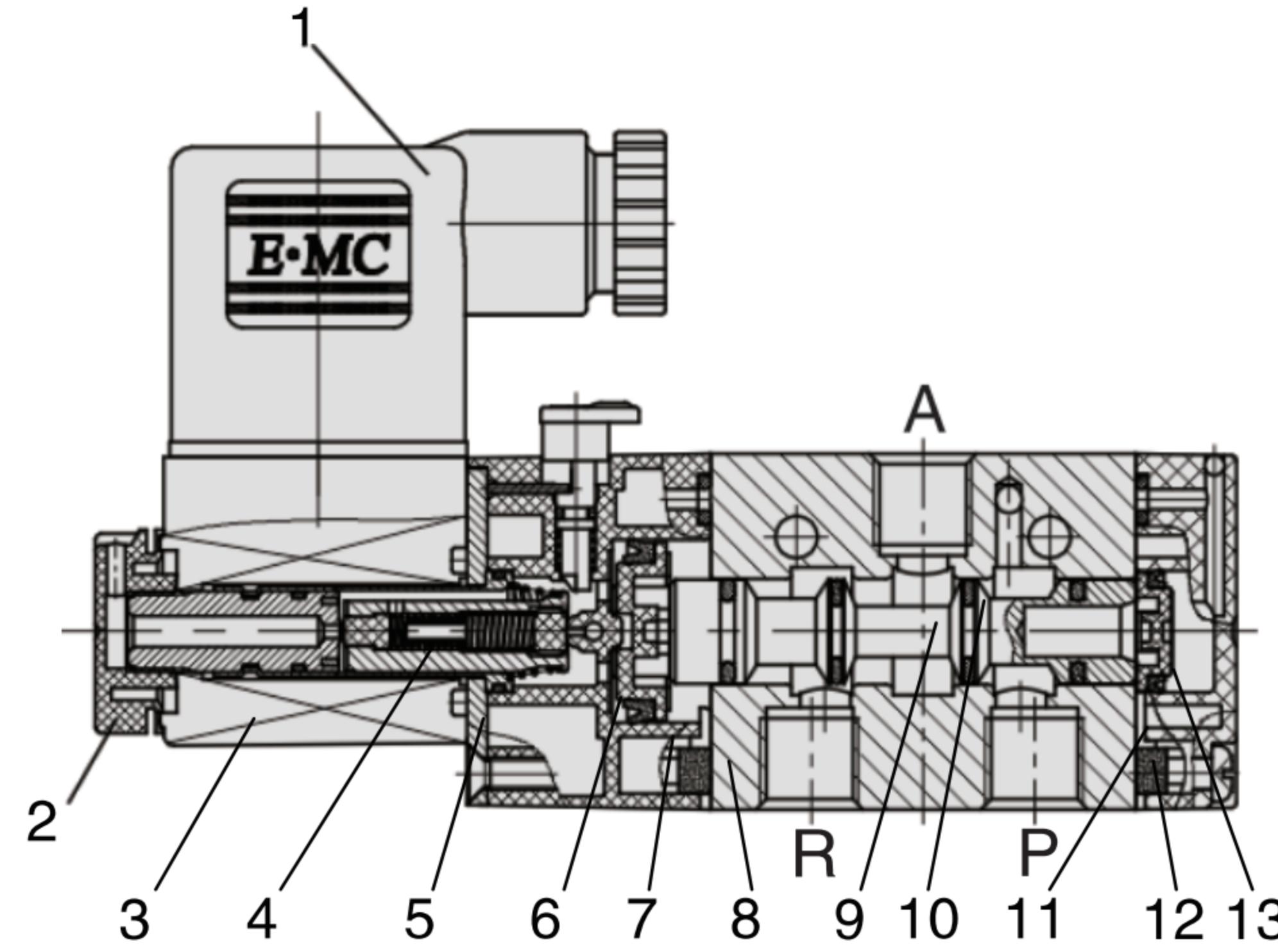
Model No.	RV3211-M5 RV3212-M5	RV3211-06 RV3212-06	RV3221-06 RV3222-06	RV3221-08 RV3222-08	RV3231-08 RV3232-08	RV3231-10 RV3232-10	RV3241-10 RV3242-10	RV3241-15 RV3242-15		
Port size	M5	G1/8	G1/8	G1/4	G1/4	G3/8	G3/8	G1/2		
Sectional area(mm)	2 way:5.5(CV=0.31)	2 way:12(CV=0.67)	2 way:14(CV=0.78)	2 way:16(CV=0.89)	2 way:25(CV=1.40)	2 way:30(CV=1.68)	2 way:50(CV=2.79)	2 way:50(CV=2.79)		
Working medium	Clean air(After 40 μm 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($^{\circ}\text{C}$)	-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 Cycles/s									
Activate time(S)	<0.05									
Weight(g)	RV3211: 102 RV3212: 169		RV3221: 107 RV3222: 303		RV3231: 260 RV3232: 370		RV3241: 443 RV3242: 569			

Flow Chat

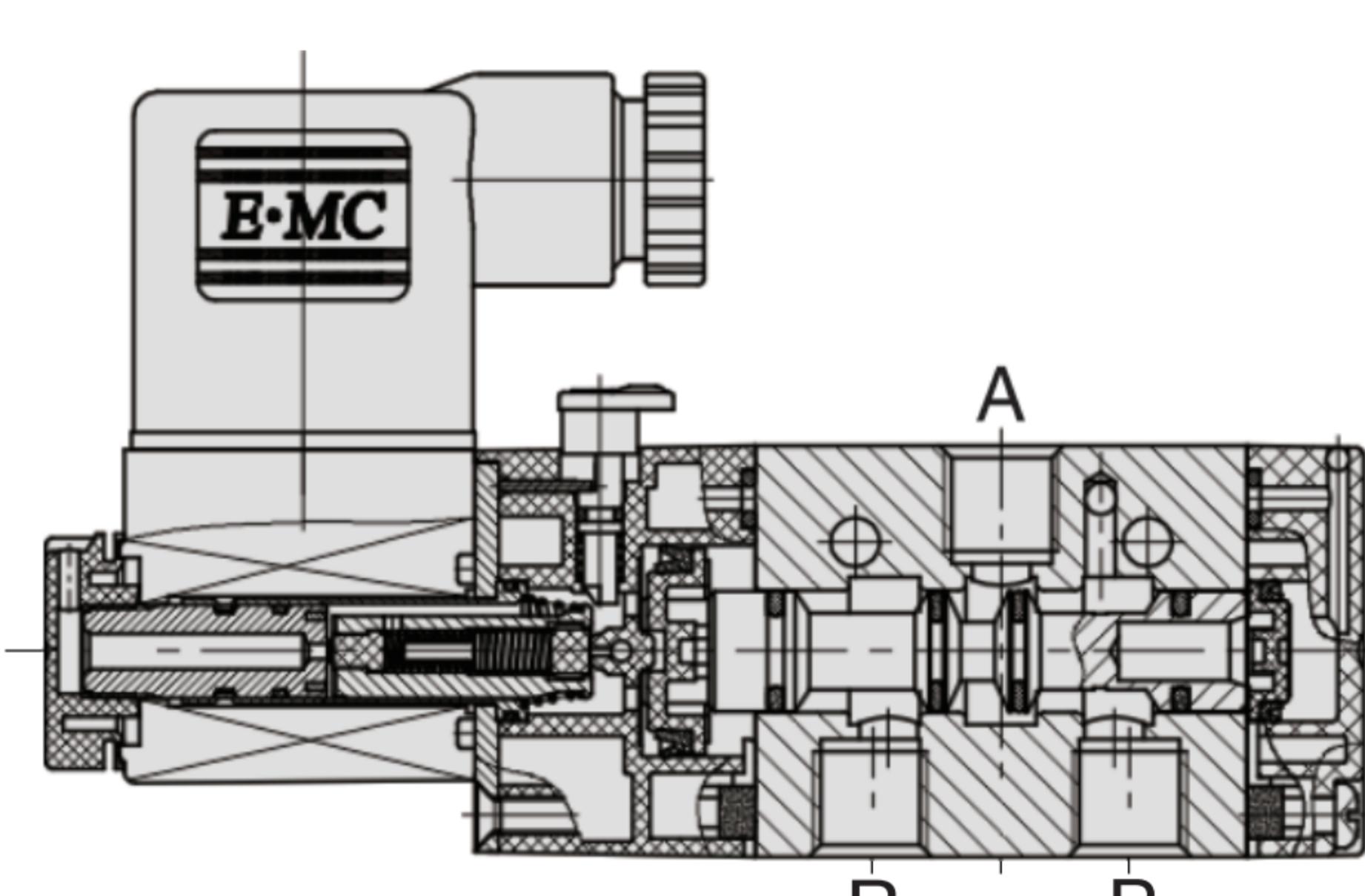


Internal Structure

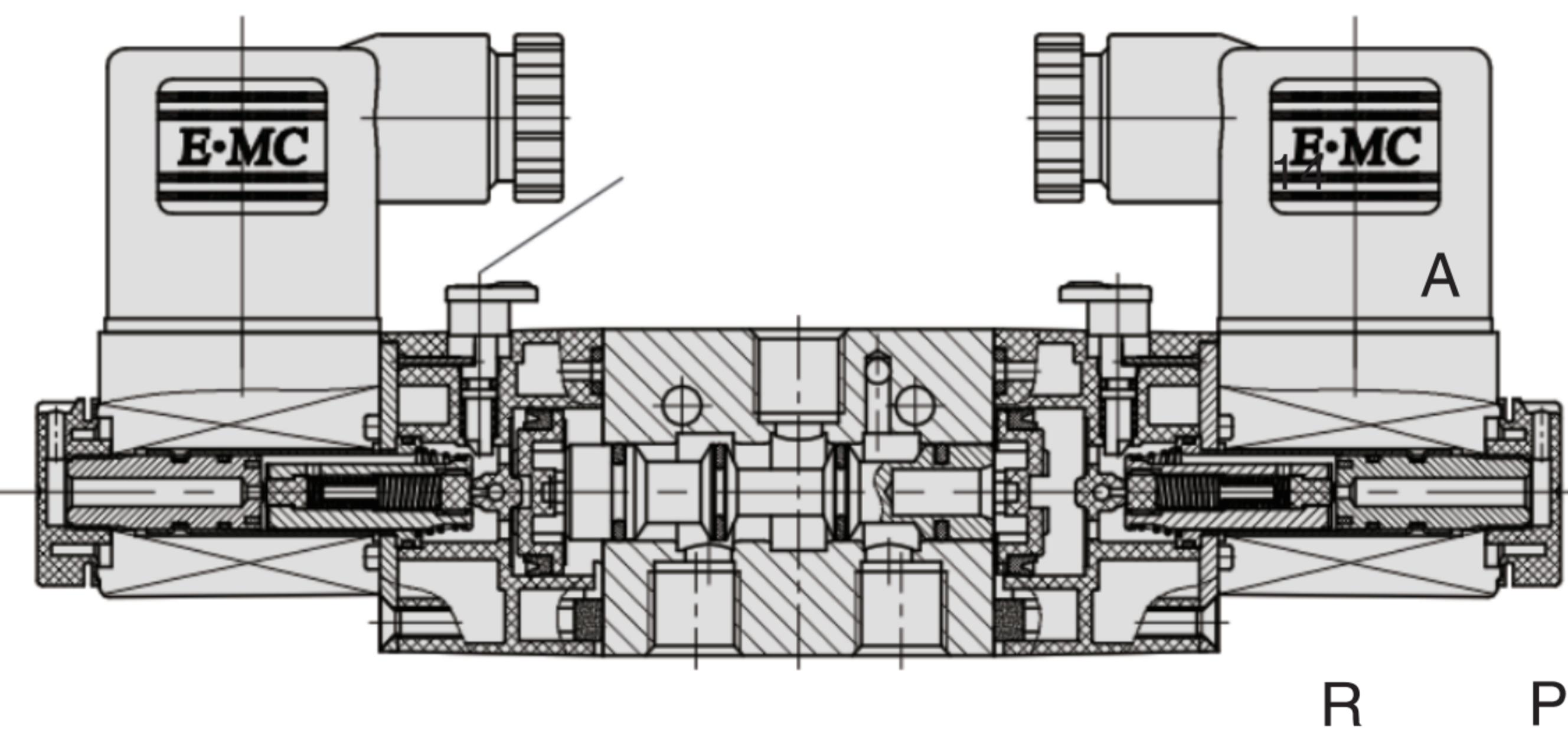
Single Solenoid Valve(Normal close)



Single Solenoid Valve(Normal open)



Double solenoid valve(Normal close)

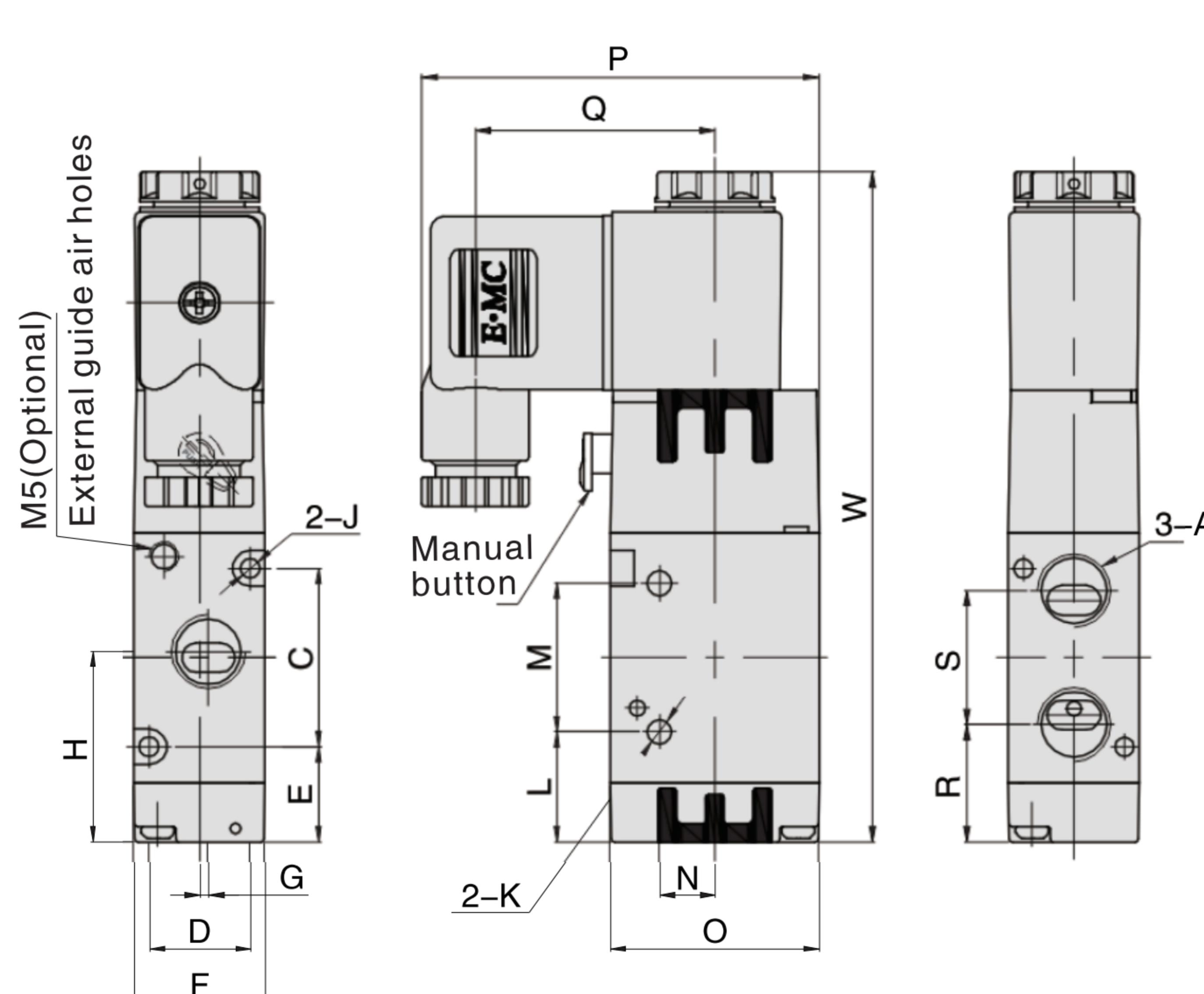


No.	Part Name	Material
1	Connector	Engineered plastics
2	Nut	POM
3	Coil	Cu+ Thermosetting resin
4	Pilot units	Pure iron + copper + stainless steel
5	Plate	Cast iron
6	Piston	POM
7	Pilot seat	Engineered plastics
8	Valve body	Aluminum alloy
9	Spool	Aluminum alloy
10	O-ring	NBR
11	Rear cover	Engineered plastics
12	Filter	Synthetic material
13	Piston	Engineered plastics
14	Manual button	Engineered plastics

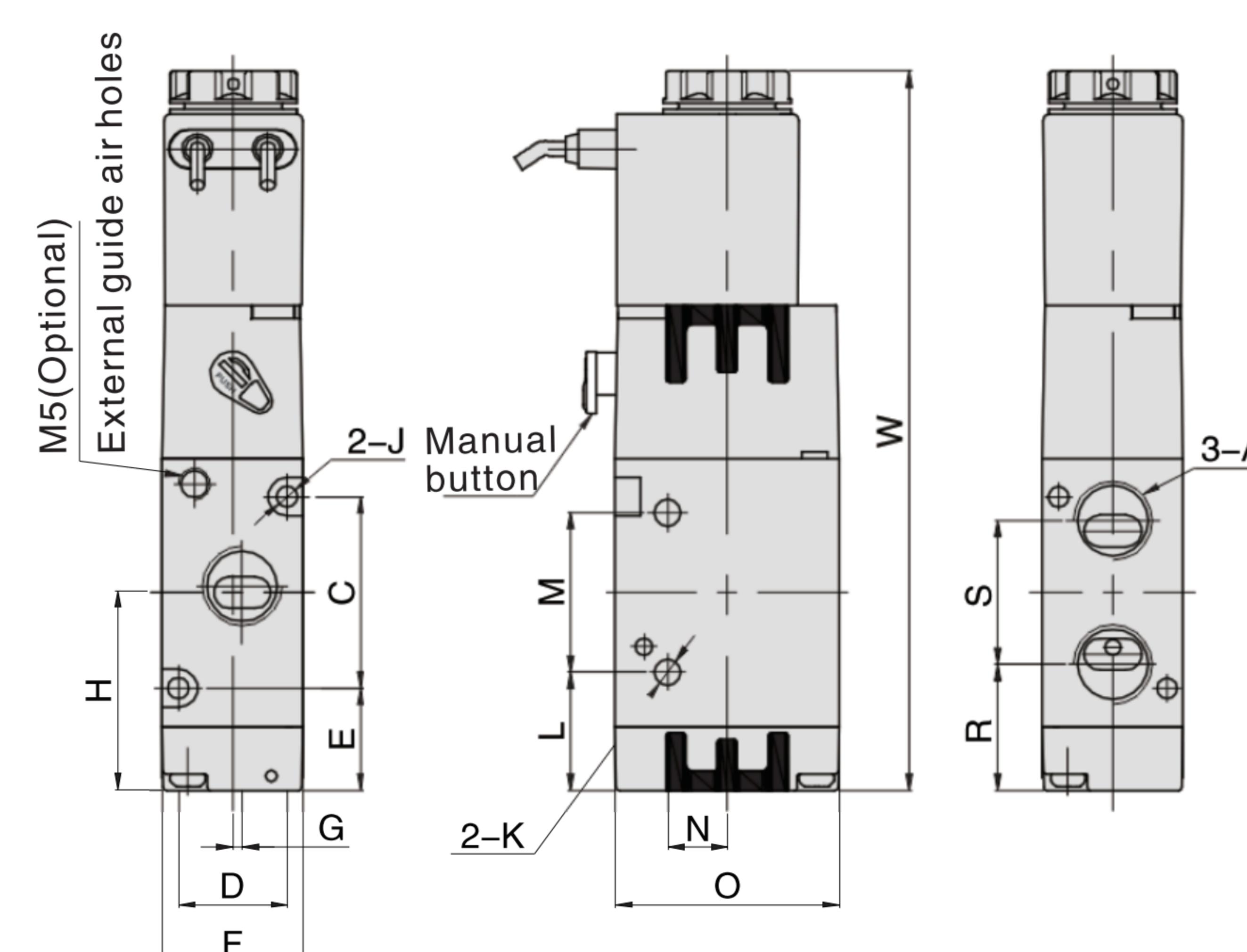
Main Dimension

Single Solenoid Valve

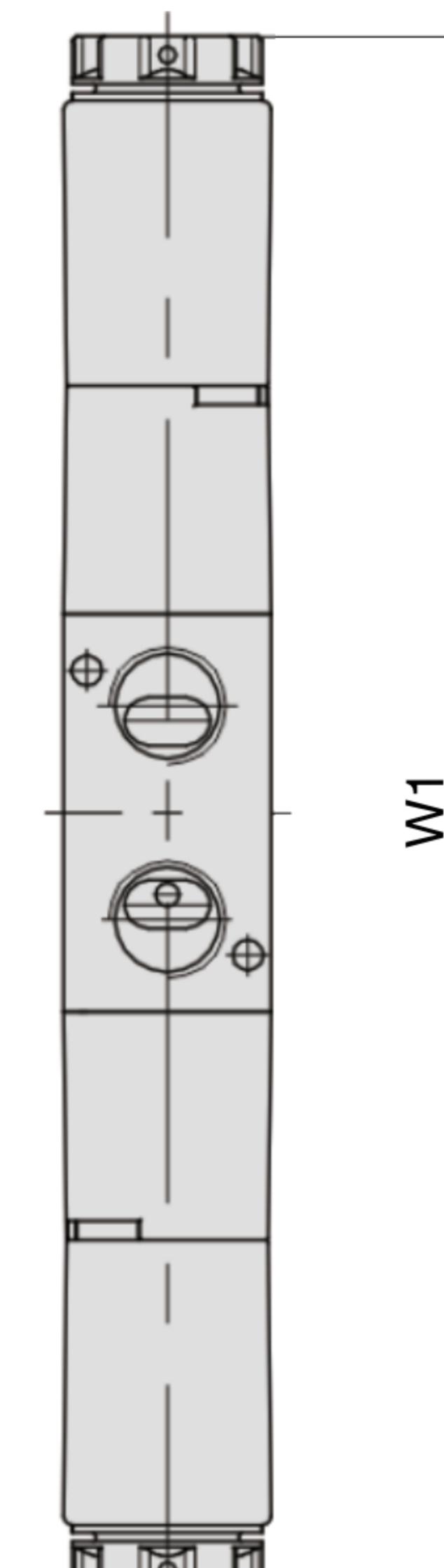
DIN Type



Flying Leads Type



Double Solenoid Valve



Model/Sign	A	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	W	W1*
RV3211-M5	M5	19	13	16.5	18	0	26	3.3	3.1	15.5	21	6	27	55.2	33.9	18.9	14.2	92.1	132.2
RV3211-06	G1/8	19	13	16.5	18	1.5	27	3.3	3.1	15.5	21	6	27	55.2	33.9	18	16	92.1	132.2
RV3221-06	G1/8	30	17	16	22	0	31	3.3	4.2	18.5	25	9.3	35	66.7	40.2	20	22	112.7	163.4
RV3221-08	G1/4	30	17	16	22	1.5	32	3.3	4.2	18.5	25	9.3	35	66.7	40.2	19.8	22.5	112.7	163.4
RV3231-08	G1/4	35	20	19.1	27	0	36.6	4.3	4.3	21.6	30	9.5	40	69.2	40.2	24.6	24	124.3	175.4
RV3231-10	G3/8	35	20	19.1	27	2	36.6	4.3	4.3	21.6	30	9.5	40	69.2	40.2	24.6	24	124.3	175.4
RV3241-10	G3/8	40.5	27	24.8	34	0	45	4.3	5.2	21	48	11.5	50	74.2	40.2	29.3	31.5	144.7	199.4
RV3241-15	G1/2	40.5	27	24.8	34	2	45	4.3	5.2	21	48	11.5	50	74.2	40.2	29.3	31.5	144.7	199.4

Note: The dimension of NR series and RV series are same, The dimension of normal open type and normal close type are same, W1* is the dimension of double control solenoid valve.