

RK20 Series

5-Port Pilot Operated Solenoid Valve
Rubber Seal/In-line Mounting type

RKS2420

2-position, single solenoid

RKD2420

2-position, double solenoid

RKD3420

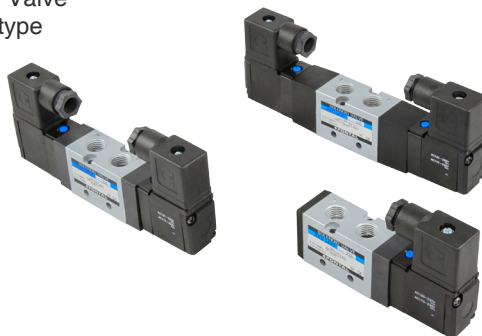
3-position, closed center

RKE3420

3-position, ABR connect

RKO3420

3-position, PAB connect



Specifications

Model No.		Unit	RKS2420	RKD2420	RKD3420	RKE3420	RKO3420
Fluid			Non-lubricated/lubricated air				
Port size	P,A,B		RC¼				
	R1,R2		RC⅝				
Effective area		mm²	18		14.4		
Cv value			1.0		0.8		
Operating ambient temperature		℃	-5～50				
Pressure range		MPa	0.15～1.0	0.1～1.0	0.15～1.0		
Maximum frequency		cycle/min	300		180		
Response time		s	0.030		0.050		
Pilot air exhaust			Individual exhaust				
Manual override			Non-locking push button				
Mounting position			Free				
Shock resistance/ Vibration resistance		m/s²	150/30				
Weight		g	220	300	350	350	350



- Supply complete-dry air to avoid freezing when temperature of valve site falls below 5°C

Electrical Specifications

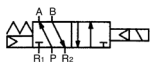
Rated voltage			V	AC110, 220(50/60Hz), DC24
Permissible voltage fluctuation			%	-15 ~ +10
Power consumption	AC	Holding	VA	4.5(50Hz), 3.8(60Hz)
		Inrush	VA	5.6(50Hz), 5.0(60Hz)
	DC		W	1.8
Grade of insulation				JIS grade E
Wiring				Lead wire, DIN connector
Surge suppressor				Varistor(AC), Diode(DC)
Indicator light				LED

RK **S24** **20** — **02** — **D24** **L**

Model No.

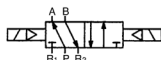
S24

2-position, single solenoid



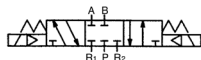
D24

2-position, double solenoid



D34

3-position, closed center



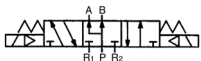
E34

3-position, ABR connect



O34

3-position, PAB connect



Wiring

L : Lead wire
D : DIN connector
DK : DIN connector with indicator light

Voltage

110: AC110V
220: AC220V
D24: DC24V

Port size

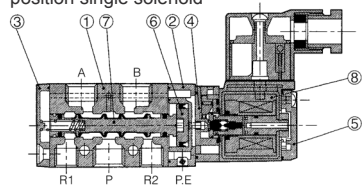
(Port P)
02: RC $\frac{1}{4}$



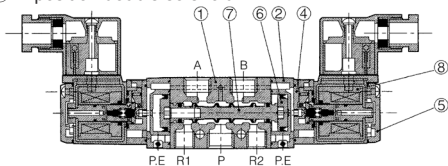
※ : Made to order

Construction

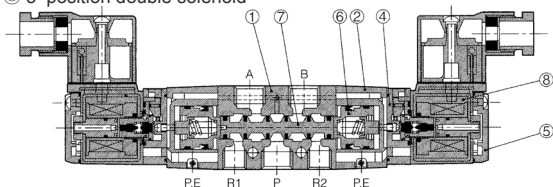
◎ 2-position single solenoid



◎ 2-position double solenoid



◎ 3-position double solenoid

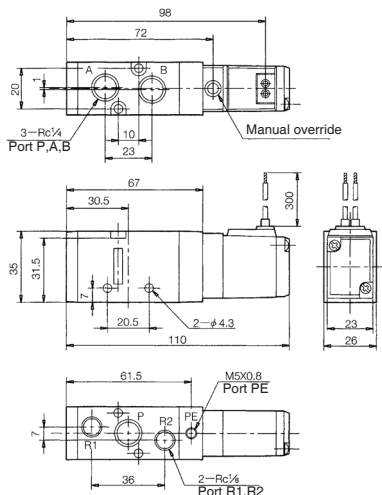


No.	Description	Material
1	Body	Aluminium die casting
2	Adapter	Aluminium die casting
3	End cover	Aluminium die casting
4	Pilot body	Polyacetal
5	Pilot cover	Plastic
6	Piston	Polyacetal
7	Spool	Aluminium • NBR
8	Coil ass'y	

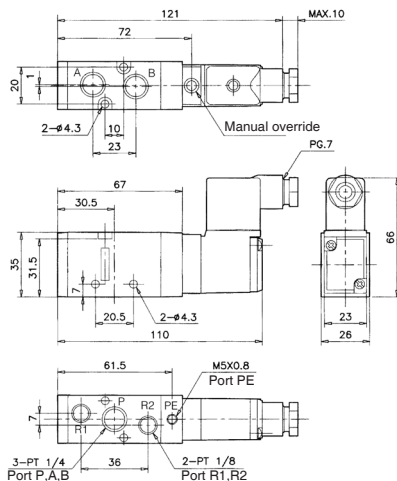
RKS2420

(Unit: mm)

Lead wire type



DIN connector type

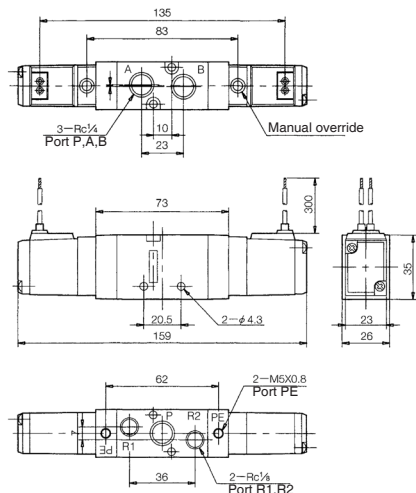


RK, PK

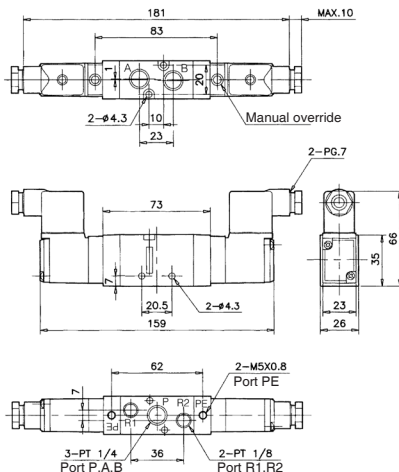
RKD2420

(Unit: mm)

Lead wire type



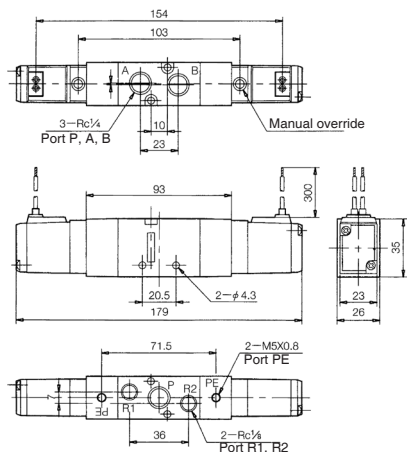
DIN connector type



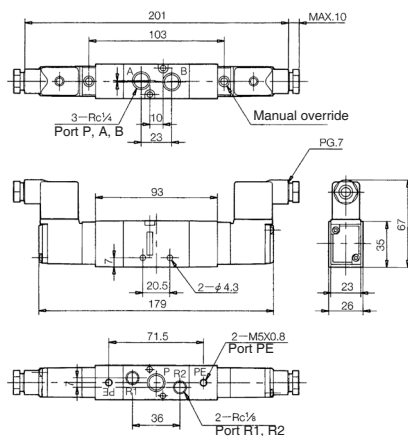
RKD3420, RKE3420, RKO3420

(Unit: mm)

Lead wire type



DIN connector type

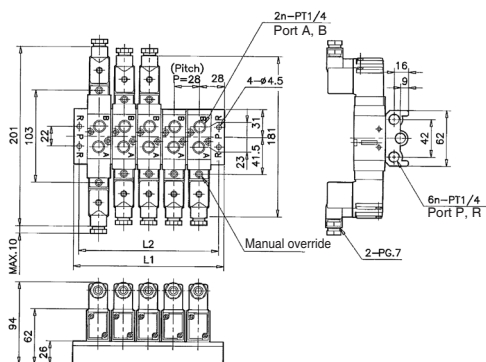


MFU□ - RK20

(Unit: mm)



© When the amount of manifolds is greater than 8 rows, supply air from hole P on both sides, and discharge air from hole R on both sides.



$\begin{matrix} N \\ L \end{matrix}$	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
L_1	84	112	140	168	196	224	252	280	308	336	364	392	420	448	476	504	532	560	588
L_2	72	100	128	156	184	212	240	268	296	324	352	380	408	436	464	492	520	548	576