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Series **RS** 4000

Plug-In Type Solenoid Valve

DW

DR100

DR200



RS4000

SI UNIT

DS300

DS3000

DS5000 DS2000

DS6000

DX1,DX2

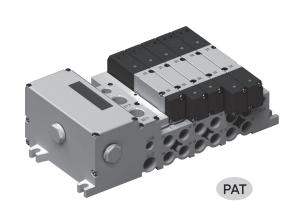
DX1(2)R

DH

DP300 DP3000 DP5000

DM

DT220



3

4

3 Position Closed Center

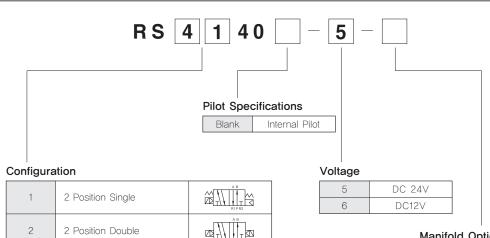
3 Position Exhaust Center

3 Position Pressure Center

COMPACT EXTERNAL DESIGN

- PRECISE COIL MOTION IN ACCORDANCE WITH ADOPTION OF HIGHLY BRIGHT LED
- POSSIBLE FOR 18-CONNECTION FOR SINGLE AND 9-CONNECTION FOR DOUBLE CASE
- POSSIBLE TO RESPONSE SI UNIT AND TERMINAL **BOARD**
- NON-POLAR TYPE, RESPONDING TO (+) AND (-) COMMON
- POSSIBLE TO DEMONSTRATE SINGLE, DOUBLE AND 3-POSITION
- CONNECTION BY TIE ROD

How to Order



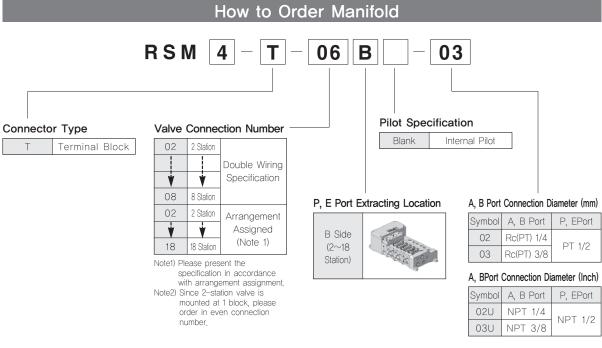
Manifold Option

Blank	Without Manifold
WM	With Manifold

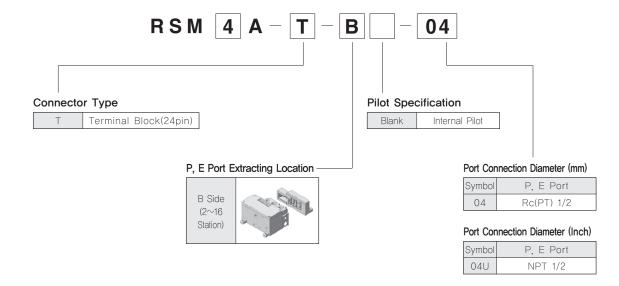
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Series RS 4000

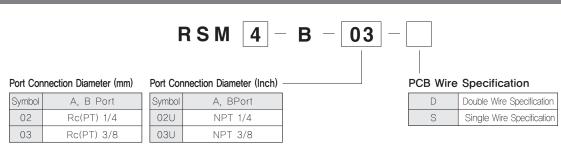




How to Order Manifold Side Cover



How to Order Base





Series RS 4000

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How to Order Tie Rod

DW

DR100

DR200

RS1000, 2000

RS4000

SI UNIT

RSM

Solenoid Valve Specifications

Applied	d Fluid	Air						
Operating		2 Position Single	0.15~0.7					
Pressure Range	Internal Pilot	2 Position Double	0.10~0.7					
(kgf/cm²)		3 Position	0.20~0.7					
Ambient Temperature		−5 ~ 50						
Manual Override	(0)	Non Lock	Push Type					
Pilot Exhaust Method	Internal Pilot	Main Valve, Pilot Valve Integrated Exhaust Type						
Lubrication		Non-Lube						
Mounting		Fr	ee					
Impact-Resistance/Vil	oration-Resistance %	150/30 (8.3~2000Hz)						
Maximum Oporatio	n Eroguonov (Hz)	2 Position	5					
Maximum Operation Frequency (Hz)		3 Position	3					
Protection Structu	ure	IP65						
Rated Voltage (V	⁽)	DC 24 (DC 12V)						
Allowable Voltage	e Fluctuation	-10 ∼ + 10 of Rated Voltage						
Polarity	_	Non-Polar Base						
Power Consumpt	ion (W)	0.85 (Lamp and Surge Protection Circuit Attached)						

Manifold Specification

* Valve combination connection number: 1~18-station
* Be cautious that 2-connevtion valve is mounted on 1 block,

Inc	lex	RS4000	DV1000 DV3000
Connection Method Between Blocks		Tie Rod	DV4000
Sup/Exh Method		Integrated Sub/Exh	DS300
Maximum Valve Stations		18	D0000
Number of Output		18	DS3000
	P, R	Rc(PT) 1/2, NPT 1/2	50000
Port Size	A. B	Rc(PT) 1/4, Rc(PT) 3/8	DS5000
	A, B	NPT 1/4, NPT 3/8	

DV4000
DS300
DS3000
DS5000

DS2000

Solenoid Valve Response Time

Type	Responding Time (ms)
2 Position Single	ON: less than 30, OFF: less than 40
2 Position Double	Less than 30
3 Position	Less than 50

DS6000

DX1,DX2

DX1(2)R

DH

DP300 DP3000 DP5000

Valve Flow Characteristics

	Туре	Switching Method	Pipe Contact Diameter	Effective Sectional Area m² (Cv Value)		
	RS4140	Single solenoid	Rc(PT) 3/8	32.4 (1.8) 32.4 (1.8)		
BASE	RS4240	Double solenoid	Rc(PT) 3/8			
Pipe Type	RS4340	Closed center	Rc(PT) 3/8	32,4 (1,8)		
	RS4440	Exhaust center	Rc(PT) 3/8	32.4 (1.8)		
	RS4540	Pressure center	Rc(PT) 3/8	37.4 (2.0)		

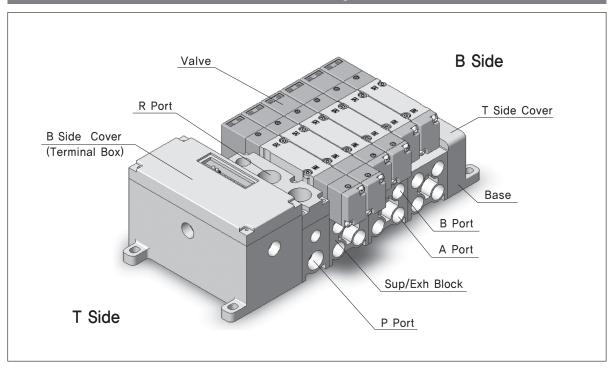
Weight sheet

DM DT220

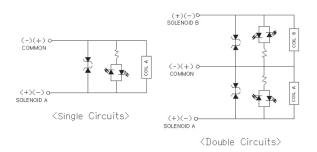
				(Offic · g)
	Item		RS4000	Remark
5		SINGLE	210	
	VALVE	DOUBLE	238	
		3-POSITION	260	
	MANIFOLD SIDE COVER ASS'Y		2,032	RS4000 6-connection Set Tie Rod Included
	Base Sing	le Product	550	

Series RS 4000

External Design

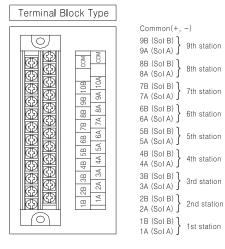


Valve Circuit Diagram



- ► Solenoid is non-polar type with red for sol A and green lamp for sol B.
- ▶ Owing to surge protection circuit equipped, it is safe with surge voltage.

Manifold Electric Wiring



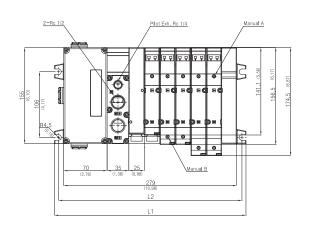
- ► Since solenoid valve is non-polar type, it is available for utilization of either (+) or (-) Common.
- Wiring above is basic form for Double 9-connection, and Single is connected to Sol A, while Double is connected to 1A → 1B → 2A → 2B in sequence without omission. In case of connecting with combination of Single and Double, please separately inquire since it is different to wiring sequence above.

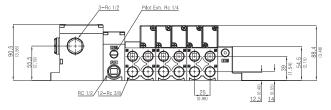


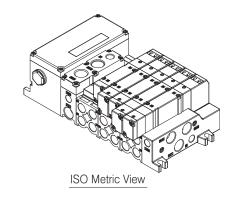
Series RS 4000

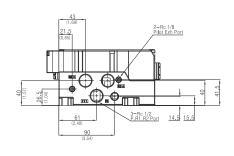
Exterior Dimension Drawings

Terminal Block Type









Dimension Table

Dimension Table (Unit : mr												t:mm)					
L	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
L1	209	234	259	284	309	334	359	384	409	434	459	484	509	534	559	584	609
L2	196	241	246	271	296	321	346	371	396	421	446	471	496	521	546	571	596

Note1) Formula L1=25n+159 Note2) Formula L2=25n+146

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