한국원색인쇄사 C M 🗡 🔣

Series **RS** 4000

Plug-In Type Solenoid Valve

DW

DR100

DR200



RS4000

SI UNIT

DV4000

DS300

DS3000

DS5000 DS2000

DS6000

DX1,DX2

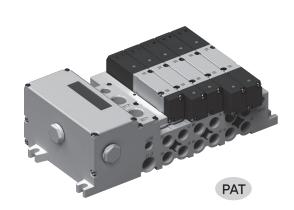
DX1(2)R

DH

DP300 DP3000 DP5000

DM

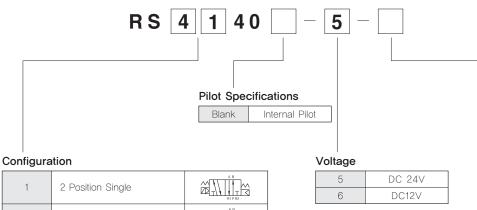
DT220



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



·		RIPR2
2	2 Position Double	A B RIPRI
3	3 Position Closed Center	A B RIPR2
4	3 Position Exhaust Center	A B
		A B

3 Position Pressure Center

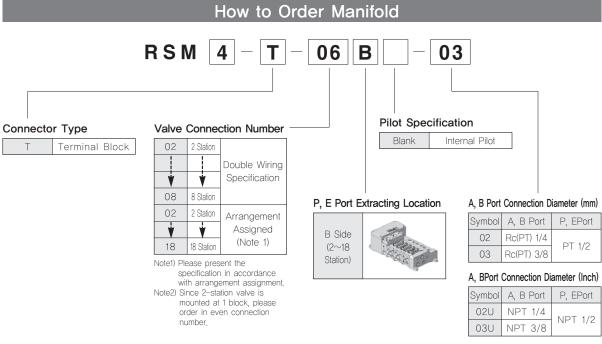
Manifold	d Option

Blank	Without Manifold
WM	With Manifold

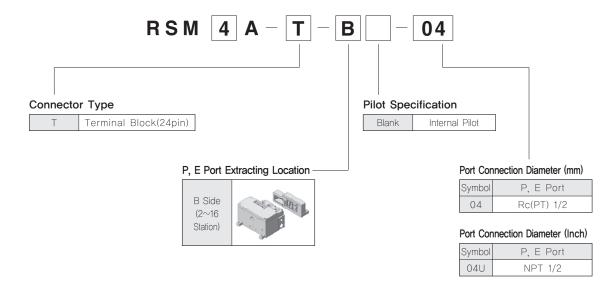
한국원색인쇄사 😊 🔀 📉

Series RS 4000

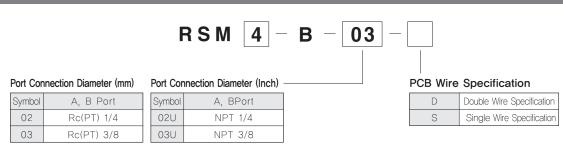




How to Order Manifold Side Cover



How to Order Base





Series RS 4000

한국원색인쇄사 C 🚺 🗡 🔣

How to Order Tie Rod

Type 2 Position Single

2 Position Double

3 Position

DR100

DW

DR200

RS1000, 2000

RS4000

SI UNIT

RSM

Solenoid Valve Specifications

Applied	d Fluid	Air			
Operating	a i idia	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	ure and Applied	-5 ^	~ 50		
Manual Override	(C)	Non Lock	Push Type		
Pilot Exhaust Method	Internal Pilot	Main Valve, Pilot Valve	Integrated Exhaust Type		
Lubrication		Non-Lube			
Mounting		Free			
Impact-Resistance/Vit	oration-Resistance %	150/30 (8.3~2000Hz)			
Maximum Operatio	n Frequency (Hz)	2 Position	5		
Iviaximum Operatio	IT I requericy (FIZ)	3 Position	3		
Protection Structu	ure	IP65			
Rated Voltage (V	")	DC 24 (DC 12V)			
Allowable Voltage	e Fluctuation	$-10 \sim$ + 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		
Connection Metho	d Between Blocks	Tie Rod		
Sup/Exh	Method	Integrated Sub/Exh		
Maximum Va	alve Stations	18		
Number	of Output	18		
	P, R	Rc(PT) 1/2, NPT 1/2		
Port Size	٥ ـ	Rc(PT) 1/4, Rc(PT) 3/8		
	A, B	NPT 1/4, NPT 3/8		

	DV1000 DV3000 DV4000
	DS300
	DS3000
3	DS5000

DS2000

DS6000 Solenoid Valve Response Time

DX1 DX2

	D/(1,0/(
Responding Time (ms)	
1 0	
ON: less than 30, OFF: less than 40	DX1(2)R

DH

DM

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)
BASE	RS4240	Double solenoid	Rc(PT) 3/8	32.4 (1.8)
	RS4340	Closed center	Rc(PT) 3/8	32.4 (1.8)
Pipe Type	RS4440	Exhaust center	Rc(PT) 3/8	32.4 (1.8)
	RS4540	Pressure center	Rc(PT) 3/8	37.4 (2.0)

Weight sheet

Less than 30

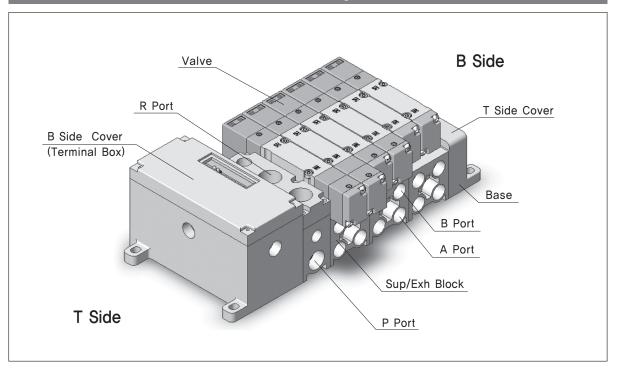
Less than 50

DT220

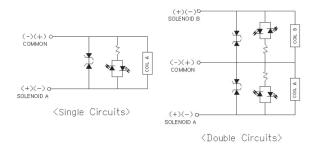
				(Unit · g)
	Item		RS4000	Remark
		SINGLE	210	
	VALVE	DOUBLE	238	
		3-POSITION	260	
MANIFOLD SIDE COVER ASS'Y		2,032	RS4000 6-connection Set Tie Rod Included	
Base Single Product			550	

Series RS 4000

External Design

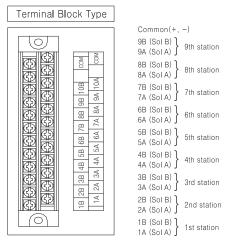


Valve Circuit Diagram



- ► 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



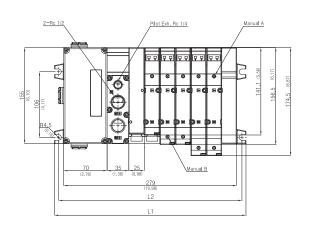
- ► Since solenoid valve is non-polar type, it is available for utilization of either (+) or (-) Common.
- Wiring above is basic form for Double 9-connection, and Single is connected to Sol A, while Double is connected to 1A → 1B → 2A → 2B in sequence without omission. In case of connecting with combination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

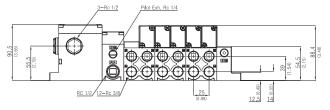


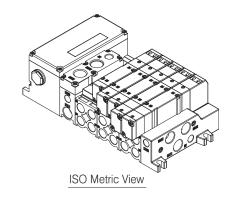
Series RS 4000

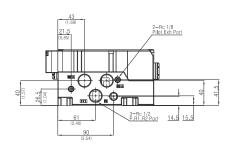
Exterior Dimension Drawings

Terminal Block Type









Dimension Table

Dimension Table (Unit : 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

DW

DR100

DR200

RS1000, 2000

RS4000

SI UNIT

DV1000 DV3000 DV4000 DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300 DP3000 DP5000

DM

DT220

Sandwich Regulator for Plug-in Valve **RS4000** Series

How to order



■ Series

RS4U: RS4000 valve

+ sandwich regulator + manifold combinations

2 Number of stations

04:4 stations

06:6 stations

08:8 stations

10: 10stations

12: 12stations

3 Valve arrangement order

Q'ty	Symbol	Figure	Part no.	Mark		
	S	AB A	RS4140-5	Single		
6	D	R1PR2	RS4240-5	Double		
2	Н	ZZANI 11 ACO	RS4340-5	Closed Center		
	J	CATTILLES CARRIED	RS4440-5	Exhaust Center		
	ı	RIPRO	RS4540-5	Pressure Center		
2	В	ii	RSM4-B	Blank Plate		
	Р	•	RS4R-P	P pressure reducing type		
Sandwich regulator	А	[P	RS4R-A	A pressure reducing type		
	В		RS4R-B	B pressure reducing type		

4 Connector type

T: Terminal Block

DV: D-Sub Connector (Vertical)

DH: D-Sub Connector (Horizontal)
FV: Flat Cable Connector (vertical)
FH: Flat Cable Connector (Horizontal)

5 A, B Port size (mm)

Symbol	A. B port	P, R, PE, X port
02	Rc(PT) 1/4	P, R : Rc(PT) 1/2
03	Rc(PT) 3/8	PE. X : Rc(PT)1/4

Note)If in inch, 'U' is added after numbers.

6 Terminal box port size (mm)

Symbol	A, B port
04	Rc(PT) 1/2
06	Rc(PT) 3/4

7 Terminal box port sealing (mm)

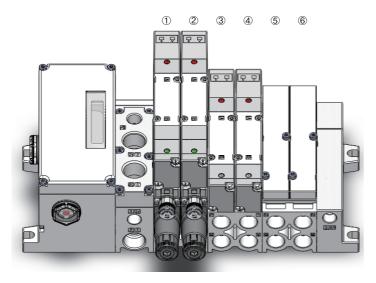
reminai	box port sealing (IIIIII)
Blank	Port plug (Set screw)
N	Rubber stopper

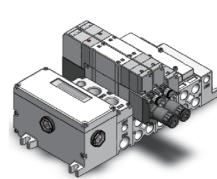
Note) Only apply to Terminal block.

Order Example (Excluding Manifold)

▶ Part no.: RS4U - 06 - 2A2l2D2B

ightarrow 6 Stations, Sandwich regulator 2ea with Pressure center valve 2ea, Double valve 2ea, Blank plate 2ea





TV2

TV2WFI

TV2WC

FSW

DR100

DR200

RS1000 RS2000

RS4000 RS4R

SI UNIT

RDV100 RDV300 RDV400

RDV400

DVC1000

DV1000 DV3000 DV4000

DVUM1000 DVUM3000 DVUM4000

DVP1000 DVP3000 DVP4000

RDS300 RDS3000 RDS5000

RDSN3000

DS2000 DS6000

DX1 DX2

DX1R DX2R

TVH

TFVM

DP300 DP3000 DP5000

DM

DT220

DQE

DCV

TX350