



Regulator/medium pressure

RM3000-W/RM4000-W Series

R3000-W/R4000-W Series medium pressure specifications

● Port size: 1/4 to 1/2

JIS symbol



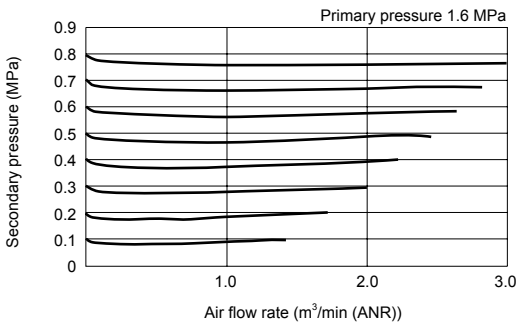
Specifications

Item	RM3000-W		RM4000-W	
Working fluid	Compressed air			
Max. working pressure	MPa	1.6 (≈230 psi, 16 bar)		
Proof pressure	MPa	2.4 (≈350 psi, 24 bar)		
Ambient temperature	°C	-5 (23°F) to 60 (140°F) (no freezing) *1		
Set pressure	MPa	0.05 (≈7.3 psi, 0.5 bar) to 0.85 (≈120 psi, 8.5 bar)		
Pressure relief	With relief mechanism			
Port size	Rc,NPT,G	1/4, 3/8 (1/2 uses an adaptor)		1/4, 3/8, 1/2 (3/4 uses an adaptor)
Weight	g	0.45		0.7
Standard accessories	Pressure gauge, nut for panel mount			

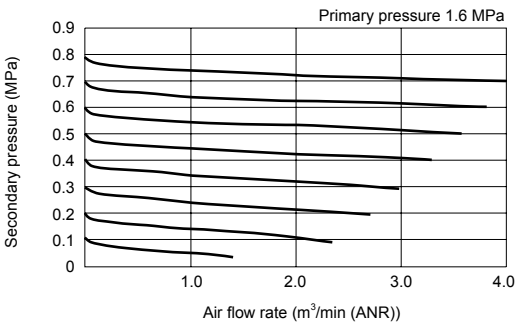
*1: The ambient temperature of the pressure switch with indicator PPR assembly “RN” or “RP” is 5 to 50°C .

Flow characteristics

● RM3000-10-W

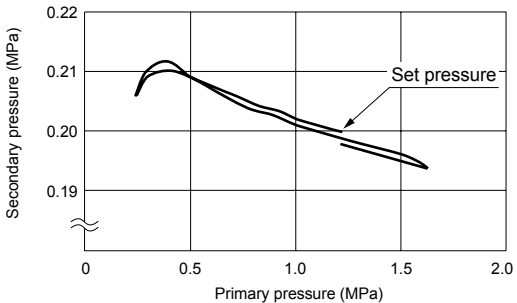


● RM4000-15-W

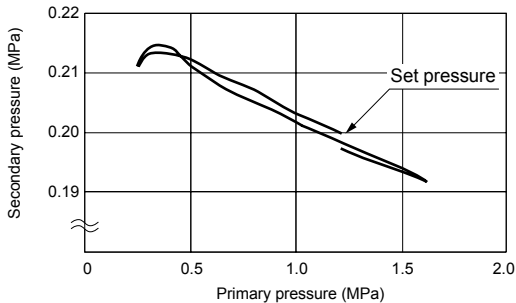


Pressure characteristics

● RM3000-W



● RM4000-W



Option weight

* Add to the weight of the standard accessories.

Unit: kg

Code	Pressure gauge		Pipe adaptor set				Attachment					
	T*	RN/RP	A8*W	A10*W	A15*W	A20*W	BW	B3W	G45P	G49P	G59P	G40P
RM3000	0	0.04	0.16	0.16	0.16		0.17	0.07	0.074	0.086	0.115	0.085
RM4000	0	0.04	0.16	0.16	0.16	0.16	0.21	0.11	0.074	0.086	0.115	0.085

How to order

RM3000 - **8** - **W** - **N** - **A8W**

A Model No.

(White type)

G Other attachments

B Port size

C Port thread

D Option

E Display unit
*9

F Pipe adaptor set (included)

⚠ Precautions for model No. selection

- *1 : G and NPT threads are available for IN, OUT and gauge ports.
- *2 : When selecting options for several items, list options in order from the top.
- *3 : For "T", a gauge plug is assembled instead of a pressure gauge.
- *4 : The joiner set is enclosed with the pipe adaptor set.
- *5 : The pipe adaptor set A*00-**-W (refer to page 350 for related products) is enclosed.
- *6 : Refer to the related products for details on the attachments.
The pipe adaptor set and C type bracket cannot be used together.
- *7 : If NPT is selected for **C** Port thread, an NPT pressure gauge is supplied. If Rc or G thread is selected, an R thread pressure gauge is supplied.
- *8 : Refer to Safety precautions for the F.R.L. unit for details on mounting the L type bracket.
- *9 : Display unit options when selecting NPT threads: If Blank is selected, the pressure unit is psi and the temperature display unit is °F.
When G thread and Blank display unit option are selected, the pressure unit will be bar and the temperature display unit will be °C.
When NPT/G thread and "J1" display unit option are selected, the pressure unit will be MPa and the temperature display unit will be °C.

* Refer to page 30 for the explanation of the option.

Code		Description	RM	RM
B Port size				
8	1/4		●	●
10	3/8		●	●
15	1/2			●
C Port thread				
Blank	Rc thread		●	●
N	NPT thread		●	●
G	G thread		●	●
D Option				
Pressure relief	Blank	With relief mechanism	●	●
	N	Non-relief	●	●
Pressure gauge	Blank	With standard pressure gauge (G401)	●	●
	T *3	No pressure gauge (gauge port 1/4 is assembled sealed)	●	●
	T8	Pressure gauge ready (gauge port 1/4 is left open)	●	●
	RN	Pressure switch with display PPR mounted (NPN output 1 point)	●	●
	RP	Pressure switch with display PPR mounted (PNP output 1 point)	●	●
Flow	Blank	Standard flow (left → right)	●	●
Direction	X1	Reverse flow (right → left)	●	●
E Display unit				
Blank	MPa display (Rc thread), psi display (NPT thread), bar display (G thread)		●	●
J1	MPa display (NPT, G thread)		●	●
F Pipe adaptor set (included)				
Blank	Not included		●	●
A8*W	1/4 pipe adaptor set		●	●
A10*W	3/8 pipe adaptor set		●	●
A15*W	1/2 pipe adaptor set		●	●
A20*W	3/4 pipe adaptor set			●
* Adaptor thread				
Blank	Rc thread		●	●
N	NPT thread		●	●
G	G thread		●	●
G Other attachments				
Blank	Not included		●	●
BW	C type bracket		●	●
B3W	L type bracket		*8	●
G45P	Pressure gauge: G45D-8-P10		●	●
G49P	Pressure gauge: G49D-8-P10		●	●
G59P	Pressure gauge: G59D-8-P10		●	●
G40P	Pressure gauge: G40D-8-P10		●	●

- The internal structure and parts list are common with R*-000-W. Refer to page 139.
- Refer to page 151 for optional parts drawings.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Regulator series



F.R.L.

Dimensions

F.R.

● RM3000-W

F (Filtr)

R (Reg)

L (Lub)

Drain

Separ

Mech

Press SW

Res press

exh valve

SlowStart

Anti-bac/Bac-

remove Filt

Film

Resist FR

Oil-ProhR

Med

Press FR

No Cu/

PTFE FRL

Outdrs FRL

Adapter

Joiner

Press

Gauge

CompFRL

LgFRL

PrecsR

VacF/R

Clean FR

ElecPneUR

AirBoost

Speed Ctrl

Silncr

CheckV/

other

Fit/Tube

Nozzle

Air Unit

PrecsCompn

Electro

Press SW

ContactSW

AirSens

PresSW

Cool

Air Flo

Sens/Ctrl

WaterRtSens

TotAirSys

(Total Air)

TotAirSys

(Gamma)

Gas

generator

RefrDry

DesicDry

HiPolymDry

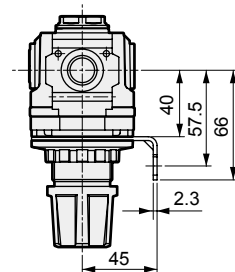
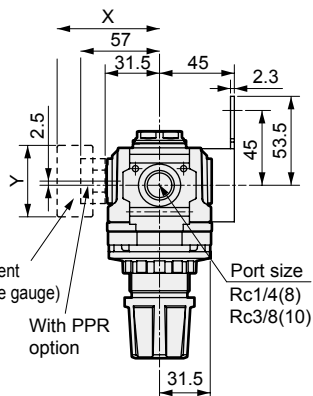
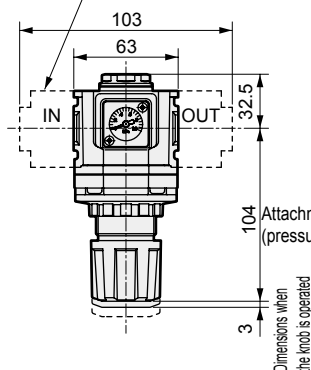
MainFiltr

Dischrg

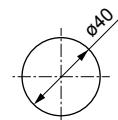
etc

Ending

Attachment
A□W (pipe adaptor set)



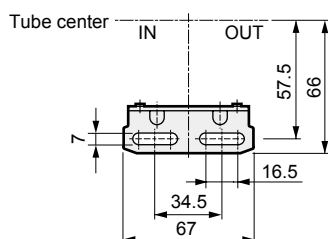
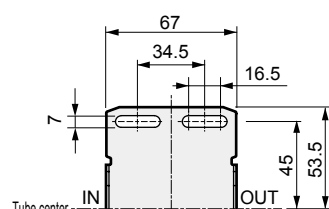
Panel cut dimension



Panel plate thickness: max. 7 mm

· Attachment (C type bracket)
C type bracket (-BW)
Part model No.: B320
· Material: Steel
Zinc plated

L type bracket (-B3W)
Part model No.: B330
· Material: Steel
Zinc plated

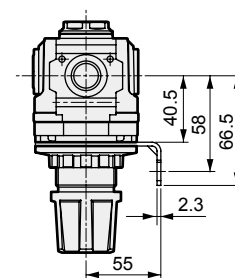
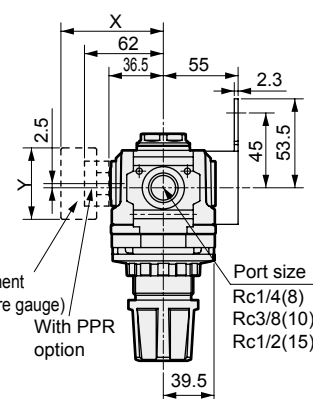
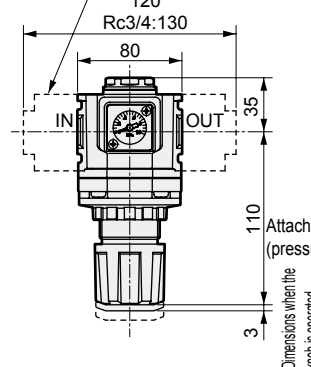


Pressure gauge attached optional dimensions table

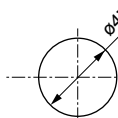
Pressure gauge	X	Y
G45P	(70)	ø39
G49P	(69.5)	ø43.5
G59P	(72)	ø52
G40P	(71.5)	ø42.5

● RM4000-W

Attachment
A□W (pipe adaptor set)



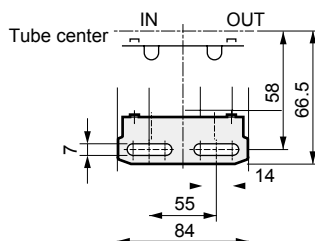
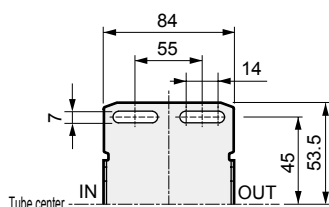
Panel cut dimension



Panel plate thickness: max. 7 mm

· Attachment
C type bracket (-BW)
Part model No.: B420
· Material: Steel
Zinc plated

L type bracket (-B3W)
Part model No.: B430
· Material: Steel
Zinc plated



Pressure gauge attached optional dimensions table

Pressure gauge	X	Y
G45P	(75)	ø39
G49P	(74.5)	ø43.5
G59P	(77)	ø52
G40P	(76.5)	ø42.5