

Regulator for outdoor use

RW4000/RW8000-W Series

A series of outdoor specification products.

● Port size: 1/4 to 1

JIS symbol



Specifications

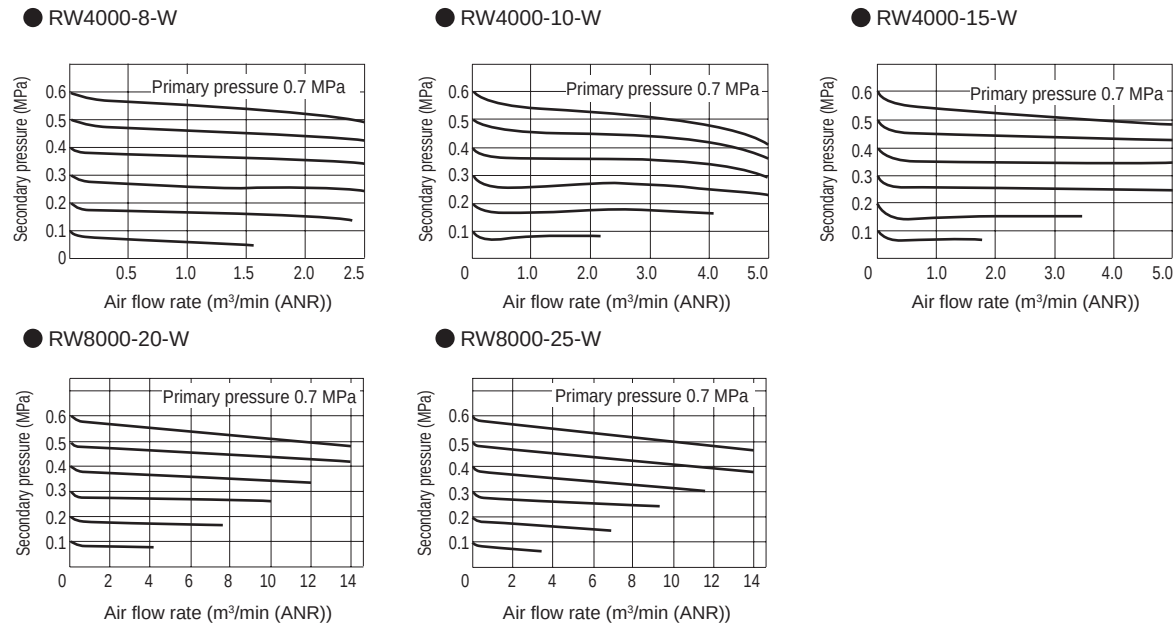
Item		RW4000-W	RW8000-W
Working fluid		Compressed air	
Max. working pressure	MPa	1.0 (≈150 psi, 10 bar)	
Proof pressure	MPa	1.5 (≈220 psi, 15 bar)	
Fluid temperature	°C	5 (41°F) to 60 (140°F)	
Ambient temperature	°C	-10 (14°F) to 60 (140°F) (no freezing)	
Set pressure	MPa	0.05 (≈7.3 psi, 0.5 bar) to 0.85 (≈120 psi, 8.5 bar)	
Pressure relief		With relief mechanism	
Port size	Rc,NPT,G	1/4,3/8,1/2	3/4,1
Weight	kg	0.75	1.65

Option weight

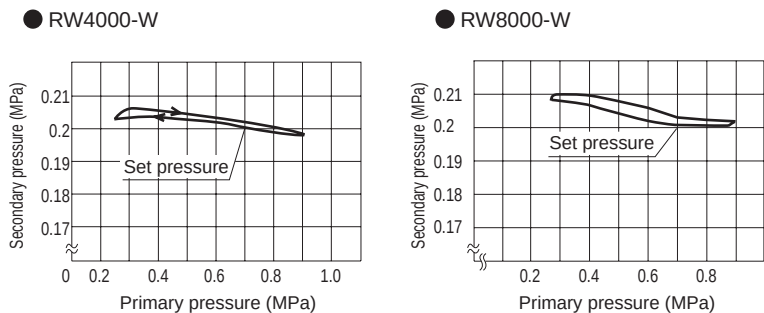
* Add to the weight of the standard accessories. Unit: kg

Code	Knob	Attachment
	K	BW
RW4000	0.1	0.21
RW8000	0.1	0.36

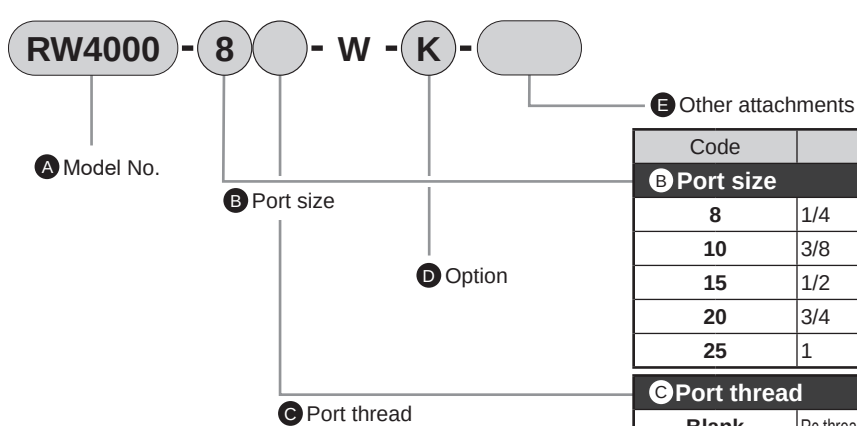
Flow characteristics



Pressure characteristics



How to order



Code		Description	RW	RW
B Port size				
8	1/4		●	
10	3/8		●	
15	1/2		●	
20	3/4			●
25	1			●
C Port thread				
*1, *2				
Blank	Rc thread (pressure unit: MPa temperature display unit: °C)		●	●
N	NPT thread (pressure unit: psi temperature display unit: °F)		●	●
G	G thread (pressure unit: bar temperature display unit: °C)		●	●
D Option				
*3, *4				
Knob	Blank	Without knob	●	●
	K	With knob	●	●
Warranty period	Blank	1 year after delivery	●	●
	G	3 years after delivery (with inspection certificate, inspection guidelines, traceability system diagram) *4, 5	●	●
Flow direction	Blank	Standard flow (left → right)	●	●
	X1	Reverse flow (right → left)	●	●
E Other attachments				
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Blank	Not included		●	●
BW	C-bracket		●	●
GW49P	Pressure gauge (GW49D-6-P10)	*6	●	●

⚠ Precautions for model No. selection

- *1: G threads and NPT threads are available for IN, OUT, and gauge ports.
- *2: NPT and G threads are sold for overseas use.
Select the Rc thread in the case of those for the Japanese market.
(In the case of those for the Japanese market, the pressure unit must be MPa and temperature display must be °C due to the Measurement Act.)
- *3: Select options for the knob, warranty period and flow direction. When selecting options for several items, list options in order from the top.
- *4: The warranty period of option G is 3 years from the date of delivery or 1 year from initial use.
- *5: For option G, the specifications and drawings must be agreed upon.
- *6: The pressure gauge cannot be included when using NPT threads or G threads.
(Consult with CKD if required.)

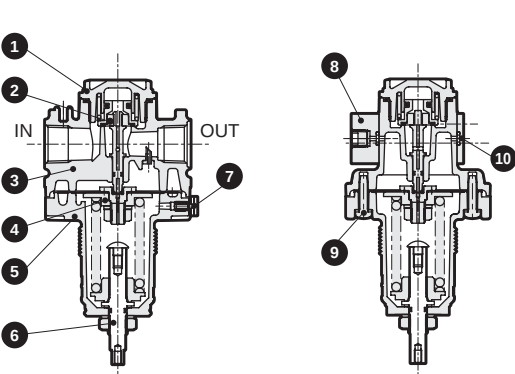
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdtrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
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

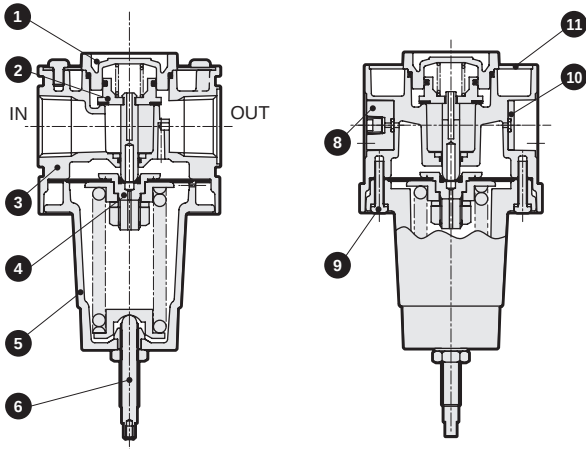
F.R.L. Internal structure and parts list

- F.R.
- 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
- Outdris 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

● RW4000-W



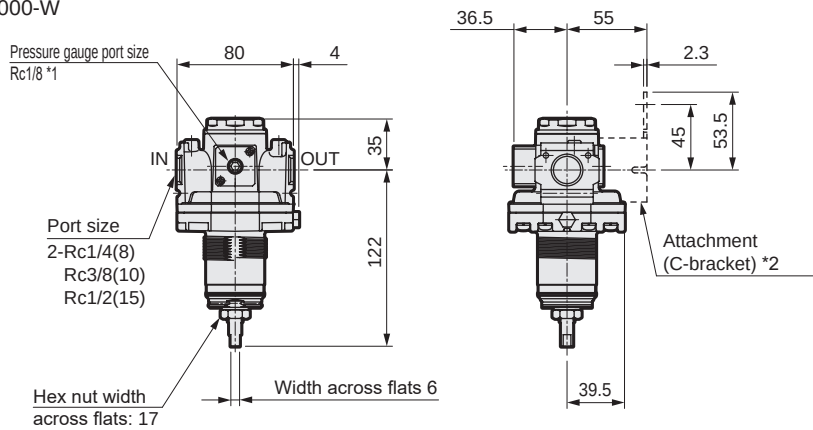
● RW8000-W



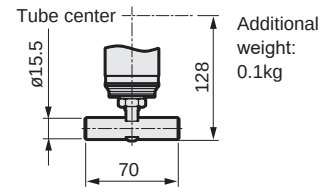
No.	Part name	Material
1	Bottom plug	Aluminum alloy die-casting
2	Valve assembly	Copper alloy, hydrogenated nitrile rubber (polyacetal resin: RW4000 only)
3	Body	Aluminum alloy die-casting
4	Diaphragm assembly	Stainless steel, nitrile rubber, aluminum
5	Cover	Aluminum alloy die-casting
6	Adjusting screw assembly	Stainless steel (aluminum, nitrile rubber, polyacetal resin: RW4000 only)
7	Adaptor	Stainless steel
8	Gauge plug assembly	Aluminum, nitrile rubber, stainless steel
9	Screws	Stainless steel
10	Seal plug assembly	Aluminum, nitrile rubber, stainless steel
11	Plate cover	Aluminum

Dimensions

● RW4000-W

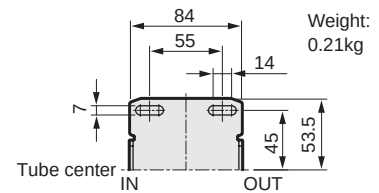


· Dimensions of options with knob (K)

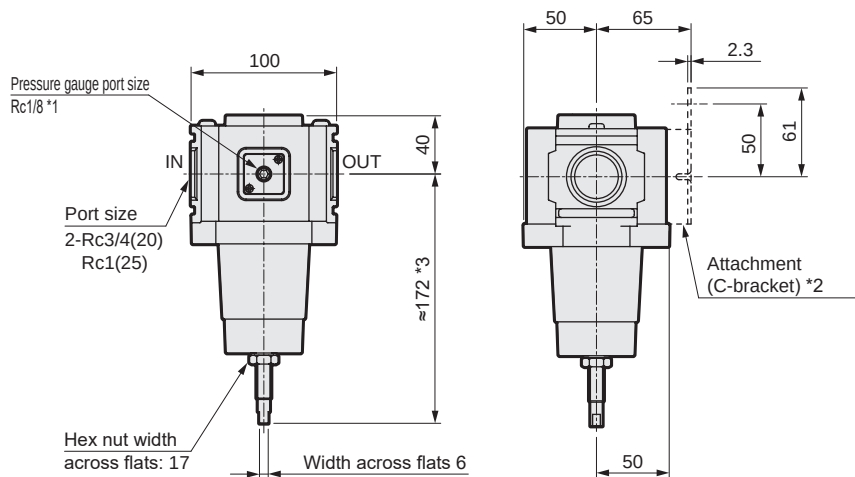


· Attachment C-bracket (-BW)
Part model No.: B420

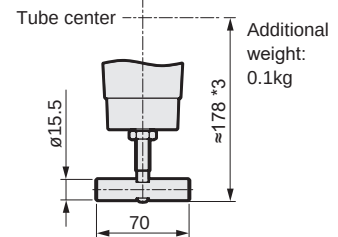
· Material: Steel
Zinc plated



● RW8000-W

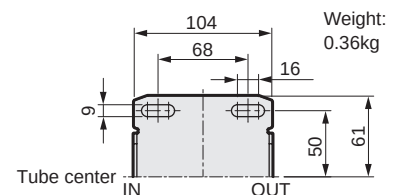


· Dimensions of options with knob (K)



· Attachment C-bracket (-BW)
Part model No.: B820

· Material: Steel
Zinc plated



*1: The pressure gauge connection port is left open when shipped.
Use the included pipe plug when sealing.

*2: Bracket is optional.

*3: Dimensions at the setting pressure of 0 MPa

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
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PrecsR
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Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
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Nozzle
Air Unit
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AirSens
PresSW Cool
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WaterRiSens
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Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
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