

Filter/regulator for outdoor use

# WW4000/WW8000-W Series

A series of outdoor specification products.

● Port size: 1/4 to 1

JIS symbol



RoHS

## Specifications

Descriptions	WW4000-W	WW8000-W
Working fluid	Compressed air	
Max. working pressure MPa	1.0 *1, 2	
Proof pressure MPa	1.5	
Fluid temperature °C	5 to 60	
Ambient temperature °C	-10 to 60 (no freezing)	
Filtration μm	5 or 0.3	
Set pressure MPa	0.05 to 0.85	
Relief	With relief mechanism	
Drain capacity cm <sup>3</sup>	80	80 (*3)
Port size Rc, NPT, G	1/4, 3/8, 1/2	3/4, 1
Weight kg	1.1	2.3

\*1: In the case of "F" with auto-drain, the min. working pressure of auto-drain is 0.1 MPa. Air is purged with initial drainage until pressure reaches 0.1 MPa.

\*2: In the case of "F1" with auto-drain, the min. working pressure of auto-drain is 0.15 MPa.

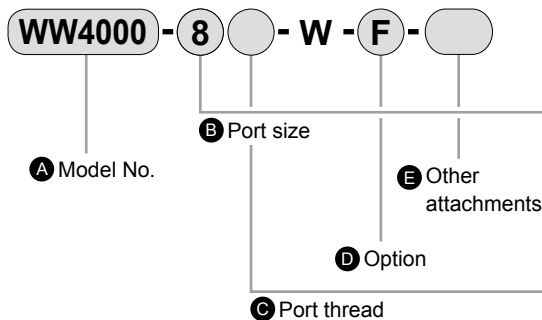
\*3: A max. of 170 cm<sup>3</sup> can be stored with the manual petcock only.

## Option weight

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

Code	Drain discharge		Knob	Attachment
	F	F1	K	BW
WW4000	0.02	0.02	0.1	0.21
WW8000	0.02	0.02	0.1	0.36

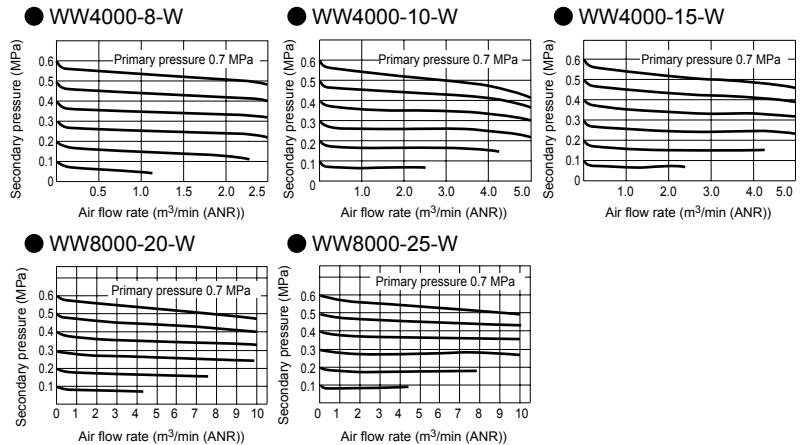
## How to order



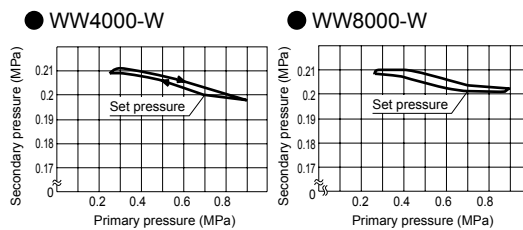
## ⚠ Precautions for model No. selection

- \*1: G and NPT threads are available for IN, OUT, gauge port and drain outlet of auto-drain.
- \*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 drainage, element, knob, warranty period and flow direction. When selecting options for several items, list options in order from the top.
- \*4: Refer to "Pneumatic, Vacuum, and Auxiliary Components (Catalog No. CB-024SA)" for the auto-drain use conditions.
- \*5: Refer to page 7 for max. processing flow rate when option "Y" is selected.
- \*6: The warranty period of option G is 3 years from the date of delivery or 1 year from initial use, whichever comes first.
- \*7: For option G, the specifications must be agreed upon.
- \*8: The pressure gauge cannot be attached when using NPT threads or G threads. (Consult with CKD if required.)

## Flow characteristics



## Pressure characteristics



		A Model No.	
		WW4000	WW8000
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	
Drain discharge	Blank	With manual cock	●
	F	Auto-drain with manual override (NO: Exhaust when not pressurized)	●
	F1	Auto-drain with manual override (NC: No exhaust when not pressurized)	●
Element	Blank	5 μm	●
	Y	0.3 μm (Submicron )	●
Knob	Blank	Without knob	●
	K	With knob	●
	Blank	1 year after delivery	●
Warranty period	G	3 years after delivery (with inspection certificate, inspection guidelines, drawings, specifications, traceability system diagram)	●
	Blank	Standard flow (left → right)	●
Flow direction	X1	Reverse flow (right → left)	●
E Other attachments			
Blank		Not attached	●
BW		C bracket	●
GW49P		Pressure gauge (GW49D-6-P10)	●

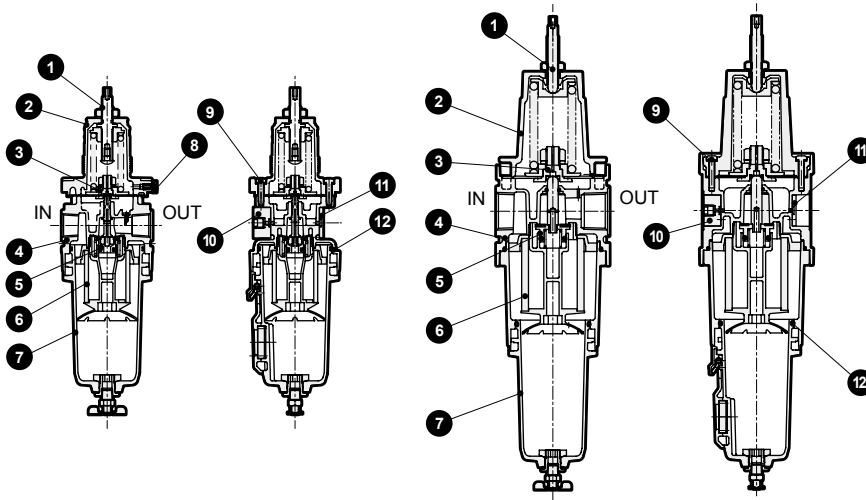
# Filter/Regulator series

Internal structure/dimensions

## Internal structure and parts list

● WW4000-W

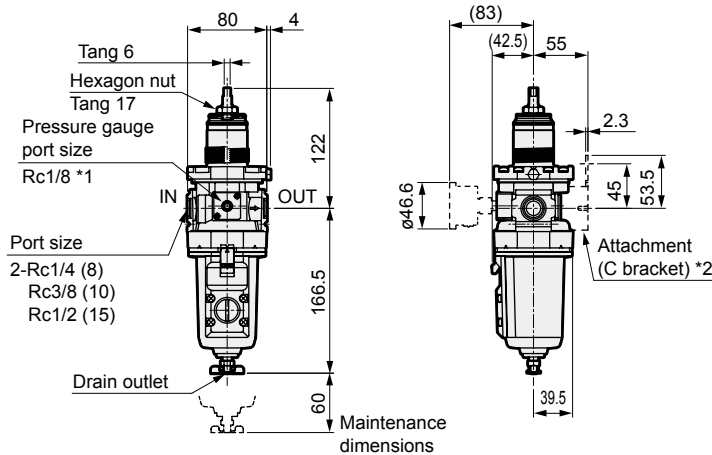
● WW8000-W



No.	Part name	Material
1	Adjusting screw assembly	Stainless steel (nitrile rubber, polyacetal resin: WW4000 only)
2	Cover	Aluminum alloy die-casting
3	Diaphragm assembly	Stainless steel, nitrile rubber, aluminum
4	Body	Aluminum alloy die-casting
5	Valve assembly	Copper alloy, hydrogenated nitrile rubber (polyacetal resin: WW4000 only)
6	Element	Polypropylene
7	Metal cup assembly	Aluminum alloy die-casting, copper alloy, zinc alloy die-casting, nitrile rubber
8	Adaptor	Stainless steel
9	Screws	Stainless steel
10	Gauge plug assembly	Aluminum, nitrile rubber, stainless steel
11	Seal plug assembly	Aluminum, nitrile rubber, stainless steel
12	O-ring	Special nitrile rubber

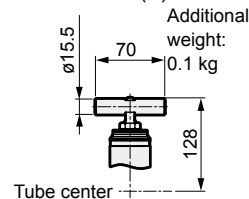
## Dimensions

● WW4000-W

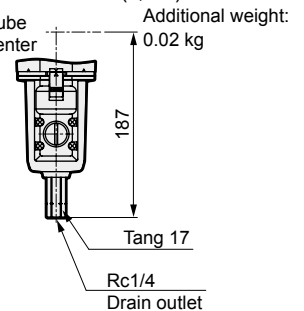


• Optional dimensions

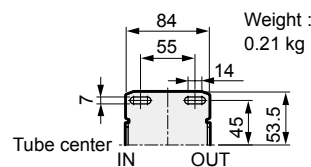
With knob (K)



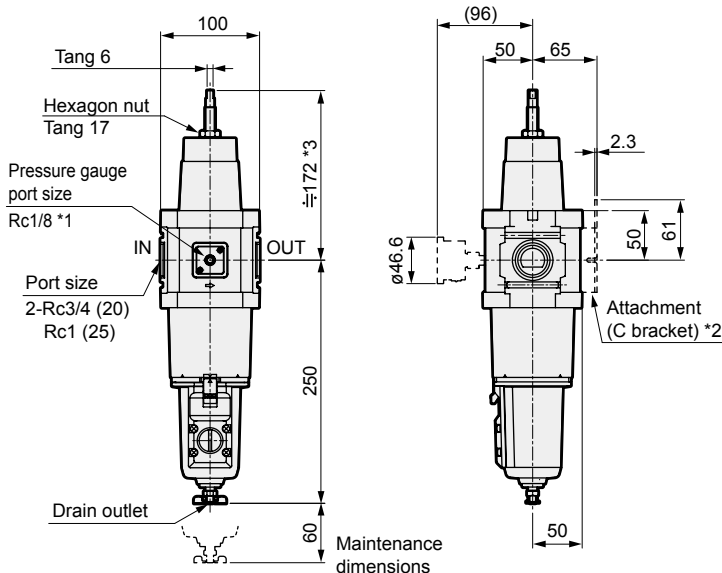
With auto-drain (F, F1)



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

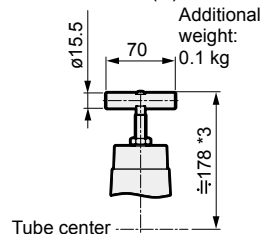


● WW8000-W

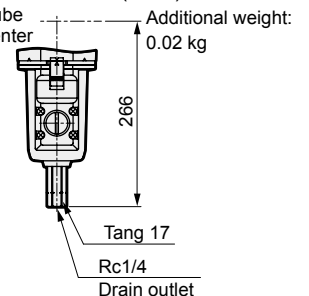


• Optional dimensions

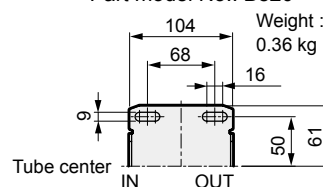
With knob (K)



With auto-drain (F, F1)



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



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

\*2: Bracket is optionally attached.

\*3: Dimensions at the setting pressure of 0 MPa