

Filter/regulator Outdoor series

WW3000, WW4000, WW8000-W Series

A series of outdoor specification products.

● Port size: 1/4 to 1

JIS symbol



Specifications

Item	WW3000-W	WW4000-W	WW8000-W
Working fluid	Compressed air		
Max. working pressure MPa	1.0 *1, 2		
Proof pressure MPa	1.5		
Fluid temperature °C	-20 to 60 (no freezing)		
Ambient temperature °C	-20 to 60		
Filtration rating μm	5 or 0.3		
Set pressure MPa	0.05 to 0.85		
Pressure relief	With relief mechanism		
Drain capacity cm ³	45	80	80 (*3)
Port size Rc, NPT, G	1/4, 3/8, 1/2	1/4, 3/8, 1/2	3/4, 1
Weight kg	0.8	1.1	2.3

Option weight

* Add to the weight of the standard accessories.

Unit: kg

Code	Drain discharge		Knob	Attachment
	F	F1	K	BW
WW3000	0.02	0.02	0.1	0.17
WW4000	0.02	0.02	0.1	0.21
WW8000	0.02	0.02	0.1	0.36

*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.

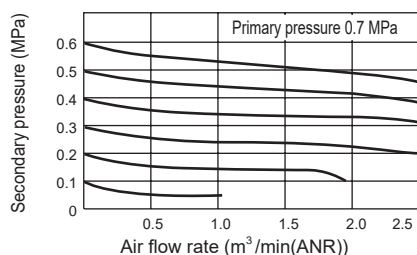
*2: In the case of "F1" with auto-drain, the min. working pressure of auto-drain is 0.15 MPa.

*3: Up to 170cm³ is stored with the manual cock only.

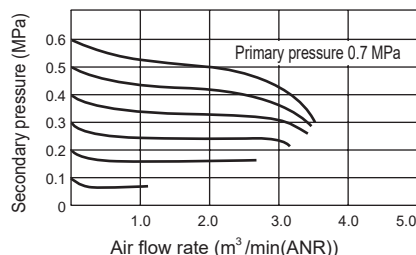
*4: When "F" or "F1" with auto-drain is selected, be careful of drain freezing.

Flow characteristics

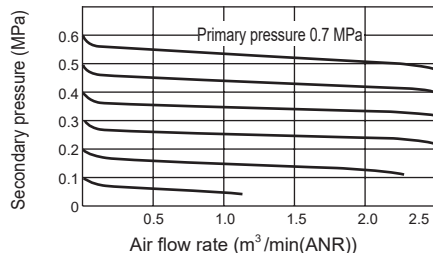
● WW3000-8-W



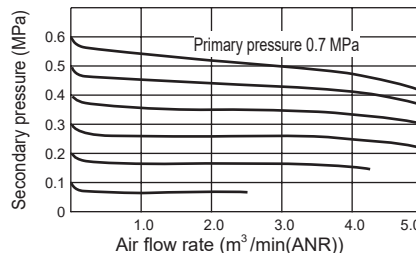
● WW3000-10-W/WW3000-15-W



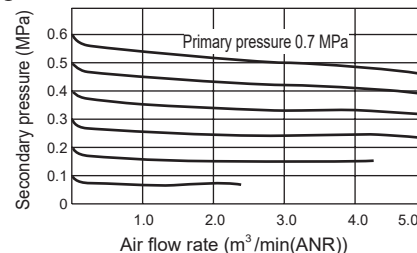
● WW4000-8-W



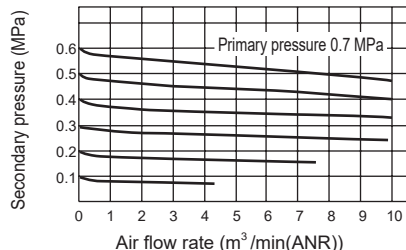
● WW4000-10-W



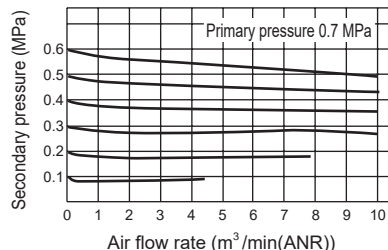
● WW4000-15-W



● WW8000-20-W

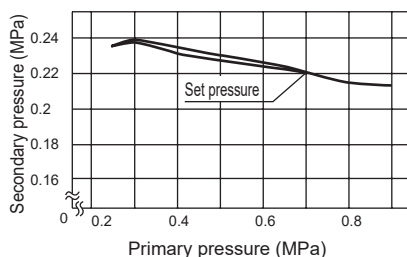


● WW8000-25-W

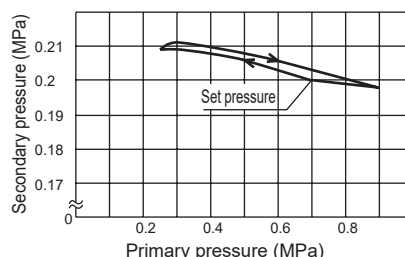


Pressure characteristics

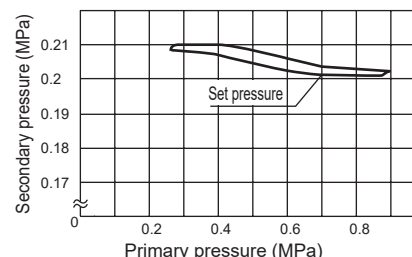
● WW3000-W



● WW4000-W



● WW8000-W



Filter/Regulator Series

How to order/Internal structure diagram and parts list

How to order

WW3000 - 8 - W - F -

A Model No.

B Port size

C Port thread

D Option

E Other attachments

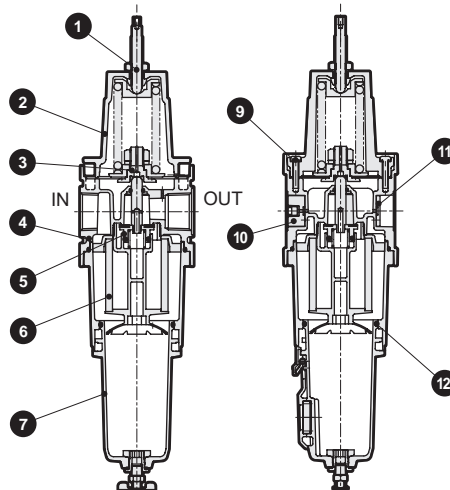
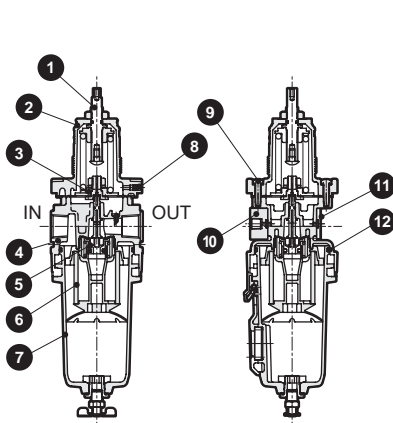
Precautions for model No. selection

- *1: G and NPT threads are available for IN, OUT, gauge port and drain outlet of auto-drain.
- *2: In compliance with the Measurement Act, the psi display cannot be used in Japan.
- *3: Select options for the drainage, element, knob, warranty period and flow direction items. 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 guaranteed for a period of three years from the date of delivery or for a period of one year from the start of use, whichever comes first.
- *7: For option G, the specifications and drawings must be exchanged.
- *8: The pressure gauge cannot be attached when using NPT threads or G threads. (Consult with CKD if required.)

Internal structure diagram and parts list

● WW3000-W, WW4000-W

● WW8000-W



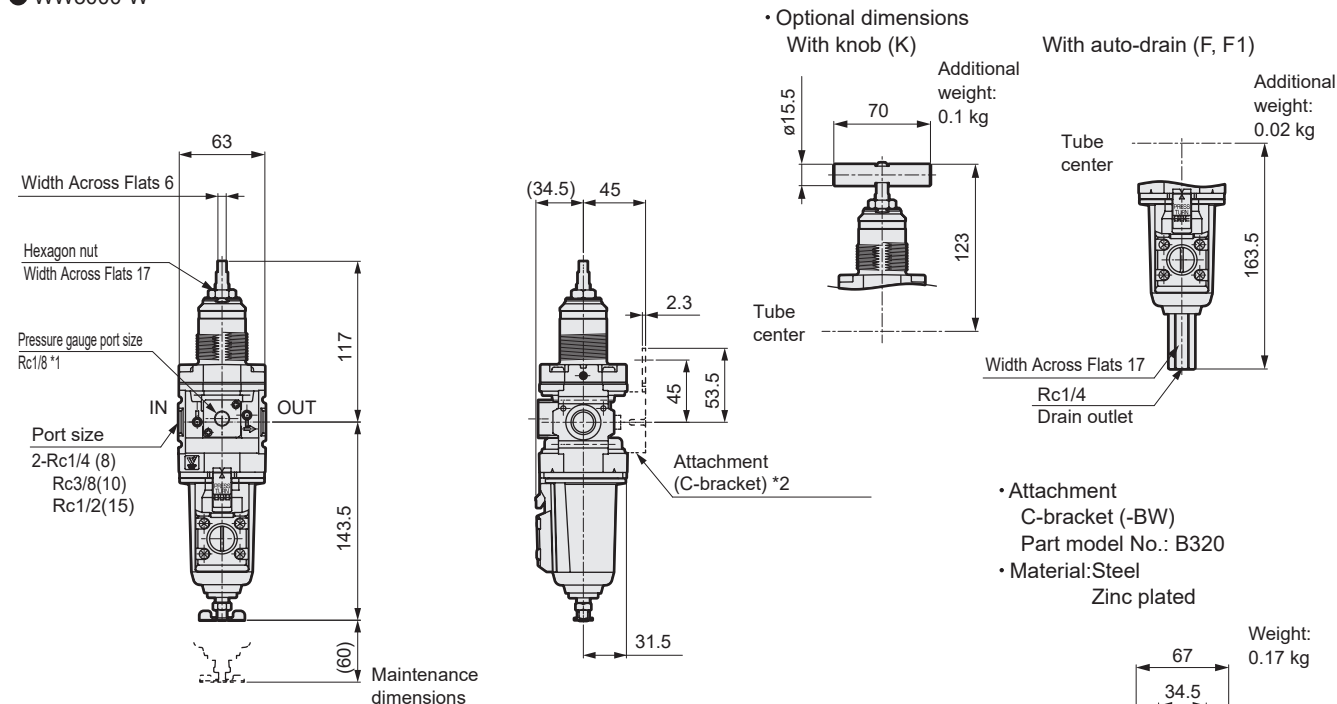
No.	Part name	Material
1	Adjusting screw assembly	Stainless steel (aluminum, nitrile rubber, polyacetal resin: WW3000, WW4000)
2	Cover	Aluminum alloy die-casting
3	Diaphragm assembly	Stainless steel, nitrile rubber, aluminum
4	Body	Aluminum alloy die-casting
5	Valve assembly	Brass, hydrogenated nitrile rubber (polyacetal resin: WW3000 and WW4000)
6	Element	Polypropylene
7	Metal bowl assembly	Aluminum alloy die-casting, brass, zinc alloy die-casting, nitrile rubber
8	Plug	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

CKD

Filter/Regulator Series

Dimensions

● WW3000-W

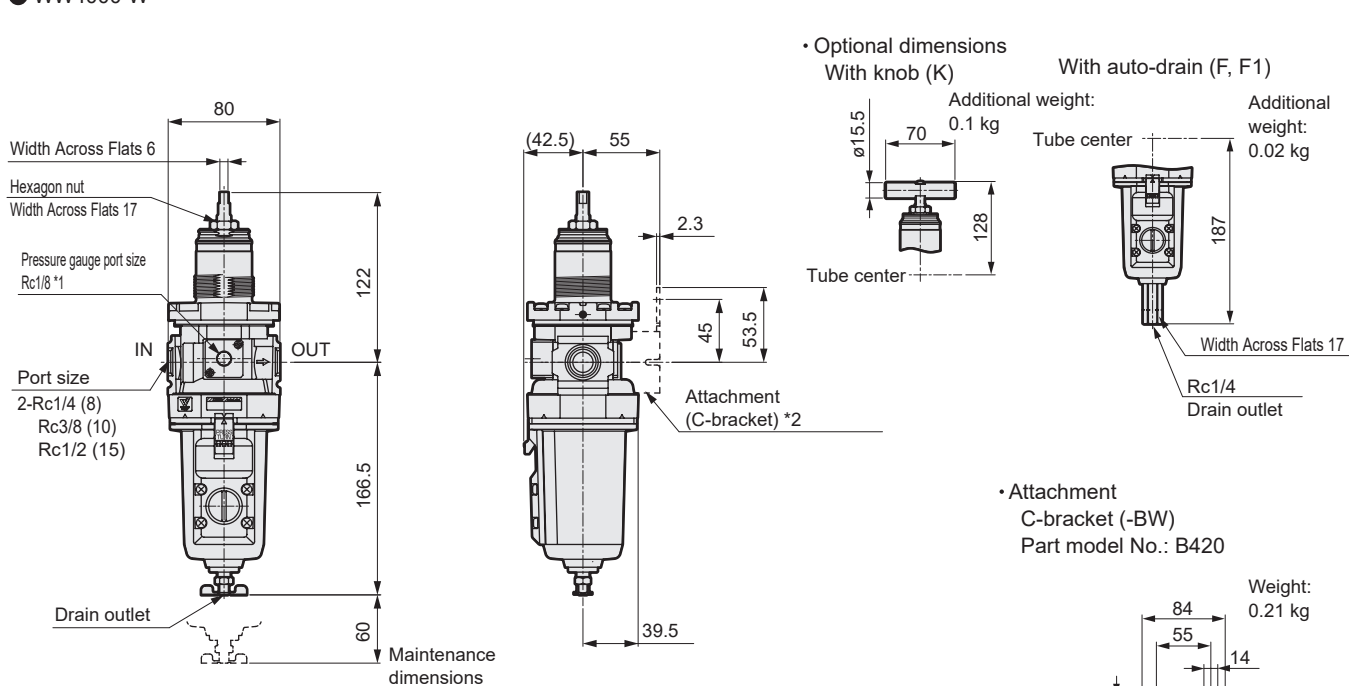


*1: Pressure gauge port is left open. Use the included pipe plug when sealing.

*2: Bracket is optionally included.

*3: Dimensions at 0 MPa pressure setting.

● WW4000-W



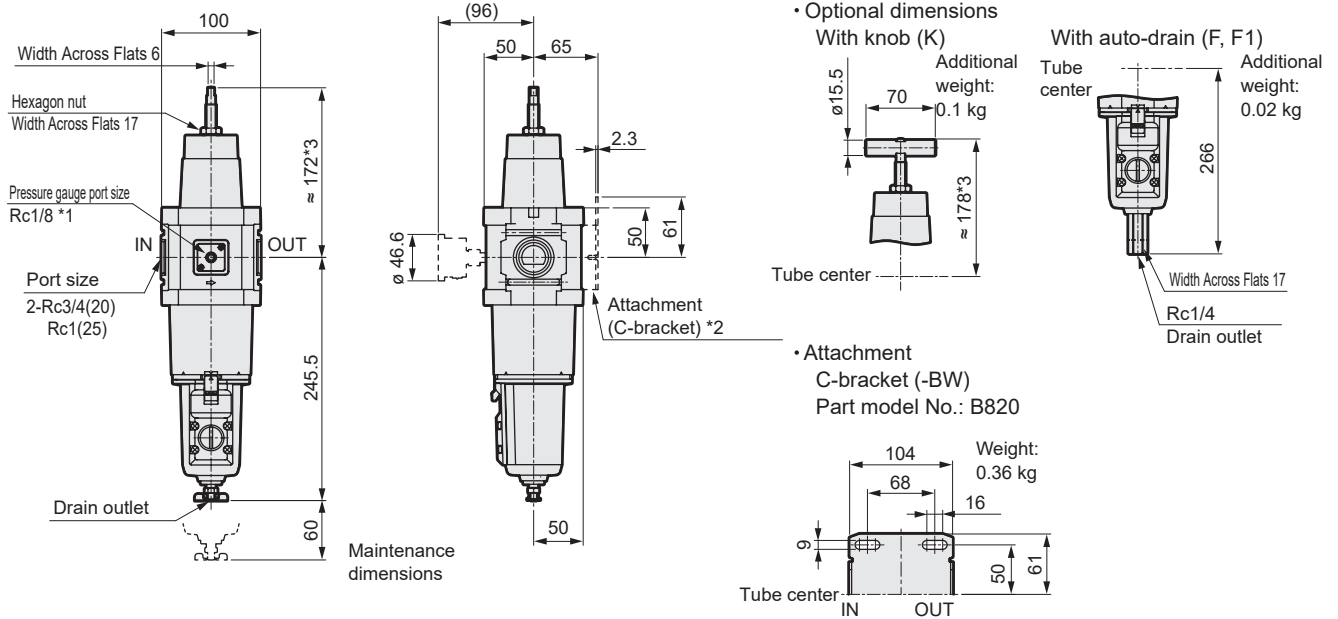
*1: Pressure gauge port is left open. Use the included pipe plug when sealing.

*2: Bracket is optionally included.

*3: Dimensions at 0 MPa pressure setting.

Dimensions

● WW8000-W



*1: Pressure gauge port is left open. Use the included pipe plug when sealing.

*2: Bracket is optionally included.

*3: Dimensions at 0 MPa pressure setting.

Drain separator
F.R.L. unit

Pneumatic auxiliary
components

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valves

Fluid control
valves

Pneumatic
cylinders

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Safety
precautions