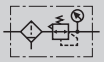


Filter/regulator for outdoor use

WW4000/WW8000-W Series

A series of outdoor specification products.

● Port size: 1/4 to 1

JIS symbol 

RoHS CAD

Specifications

Item		WW4000-W	WW8000-W
Working fluid		Compressed air	
Max. working pressure	MPa	1.0 (≈150 psi, 10 bar) *1, *2	
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)	
Filtration rating	μm	5 or 0.3	
Set pressure	MPa	0.05 (≈7.3 psi, 0.5 bar) to 0.85 (≈120 psi, 8.5 bar)	
Pressure relief		With relief mechanism	
Drain capacity	cm^3	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 or more.
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 170 cm^3 is stored with the manual cock only.

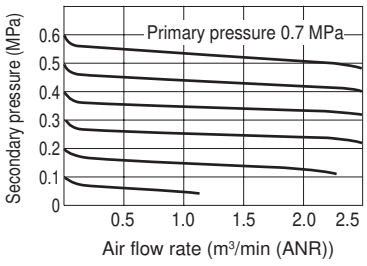
Option weight

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

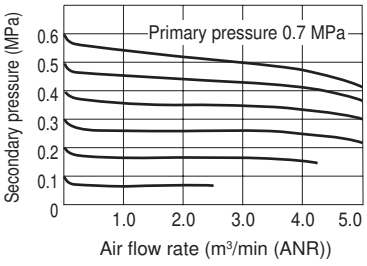
Code	Drain discharge		Knob	Attachment
	F	F1	K	BW
WW4000	0.02	0.02	0.1	0.21
WW8000	0.02	0.02	0.1	0.36

Flow characteristics

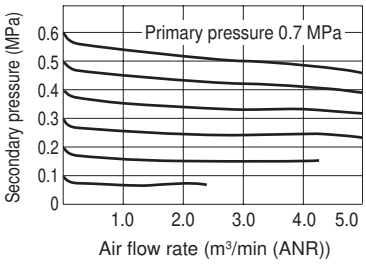
● WW4000-8-W



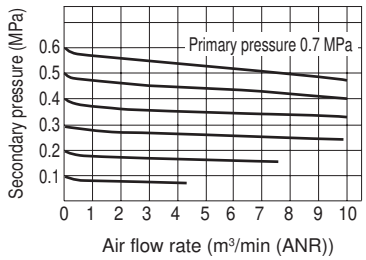
● WW4000-10-W



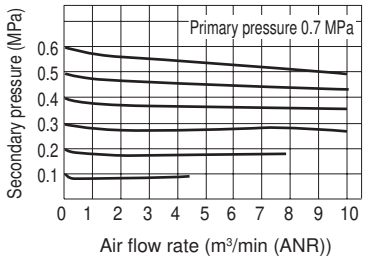
● WW4000-15-W



● WW8000-20-W

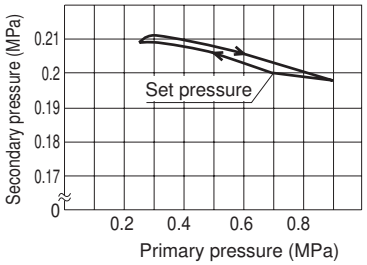


● WW8000-25-W

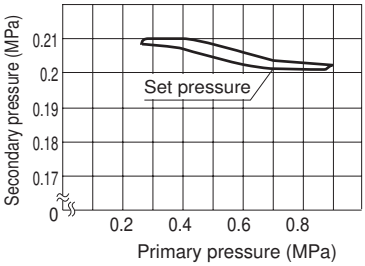


Pressure characteristics

● WW4000-W

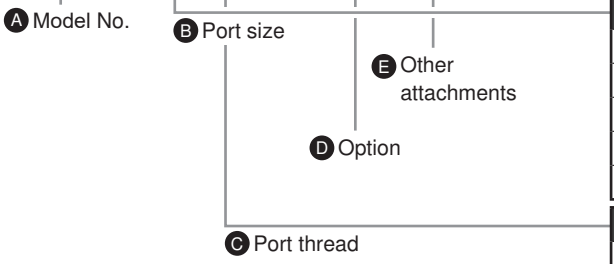


● WW8000-W



How to order

WW4000 - 8 ○ - W - F - ○



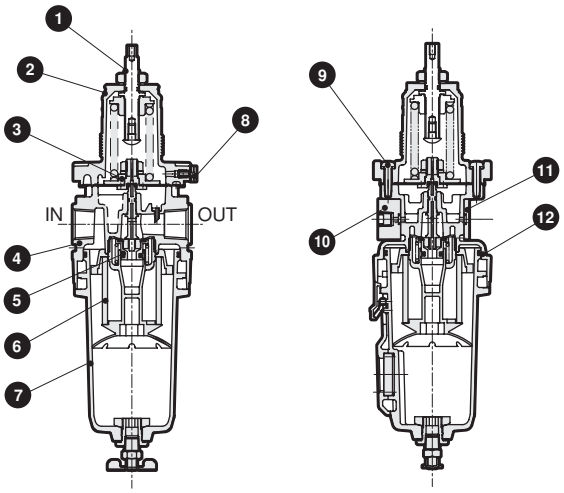
Code	Description	A Model No. WW4000	A Model No. WW8000
B Port size			
8	1/4	●	
10	3/8	●	
15	1/2	●	
20	3/4		●
25	1		●
C Port thread			*1, *2
Blank	Rc thread (pressure unit: MPa temperature display unit: °C)	●	●
N	NPT thread (pressure unit: psi temperature display unit: °F)	●	●
G	G thread (pressure unit: bar temperature display unit: °C)	●	●
D Option			*3, *4
Drain discharge *5 — **Blank**	With manual cock	●	●
Drain discharge *5 — **F**	Auto-drain with manual override (NO: Exhaust when not pressurized)	●	●
Drain discharge *5 — **F1**	Auto-drain, man OVRD (NC: no press→no exhaust)	●	●
Element — **Blank**	5 µm	●	●
Element — **Y**	0.3 µm (submicron) *5	●	●
Knob — **Blank**	Without knob	●	●
Knob — **K**	With knob	●	●
Warranty period — **Blank**	1 year after delivery	●	●
Warranty period — **G**	3 years after delivery *6, 7	●	●
Warranty period — **G**	(with inspection certificate, inspection guidelines, traceability system diagram)	●	●
Flow direction — **Blank**	Standard flow (left → right)	●	●
Flow direction — **X1**	Reverse flow (right → left)	●	●
E Other attachments			Page 346
Blank	Not included	●	●
BW	C-bracket	●	●
GW49P	Pressure gauge (GW49D-6-P10) *8	●	●

⚠ Precautions for model No. selection

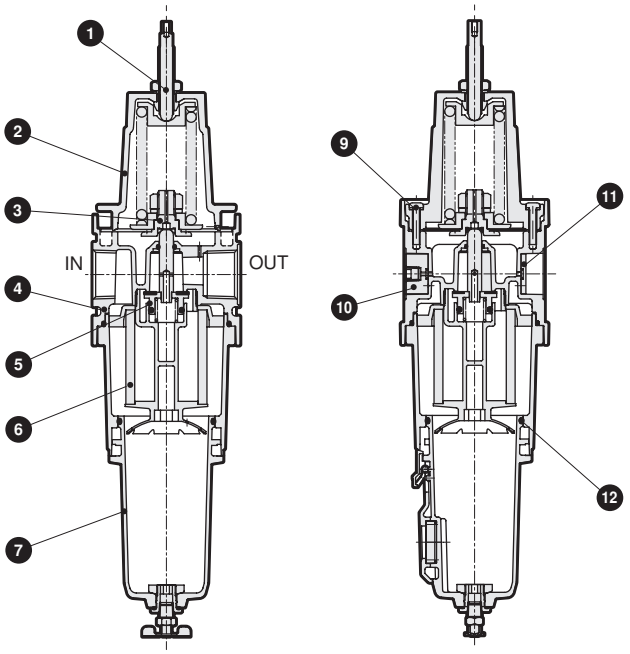
*1 : G and NPT threads are available for IN, OUT, gauge port and drain outlet of auto-drain.
*2 : NPT and G threads are sold for overseas use.
Select the Rc thread in the case of those for the Japanese market.
(In the case of those for the Japanese market, the pressure unit must be MPa and temperature 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 page 280 for the auto-drain usage conditions.
*5 : Refer to page 330 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.
*7 : For option G, the specifications and drawings must be agreed upon.
*8 : The pressure gauge cannot be included when using NPT threads or G threads. (Consult with CKD if required.)

Internal structure and parts list

● WW4000-W



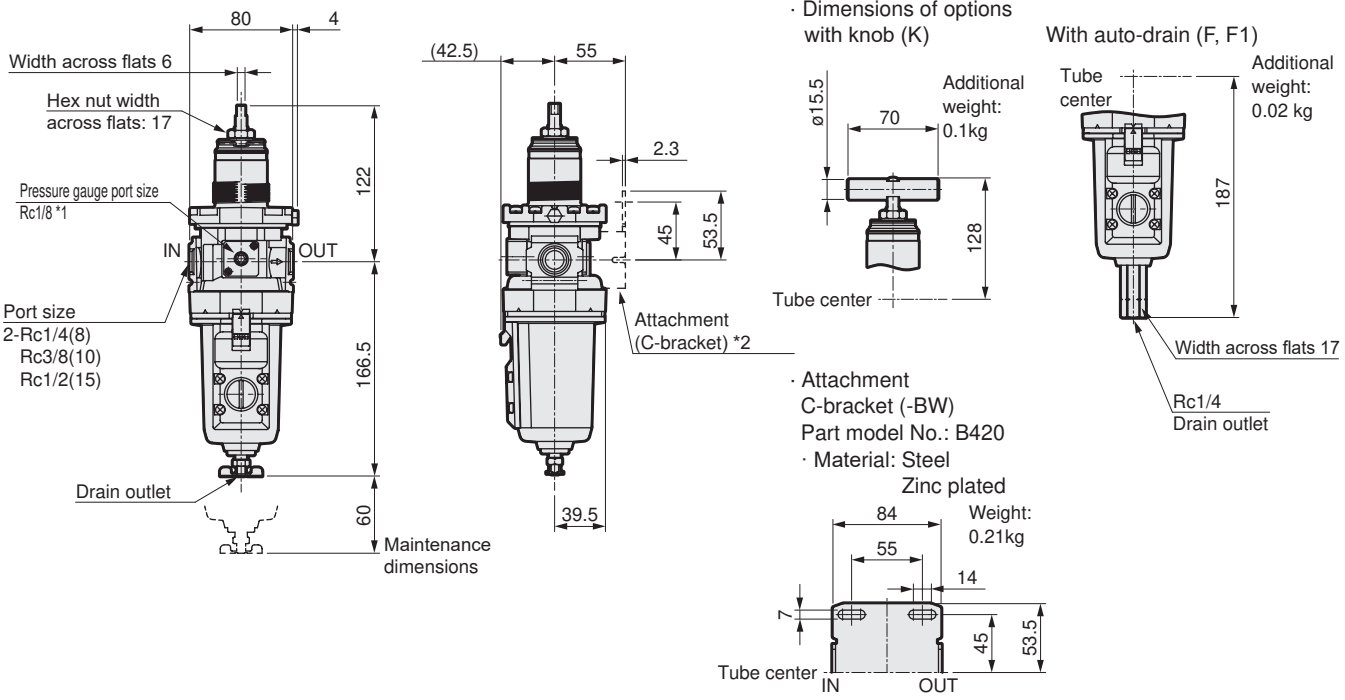
● WW8000-W



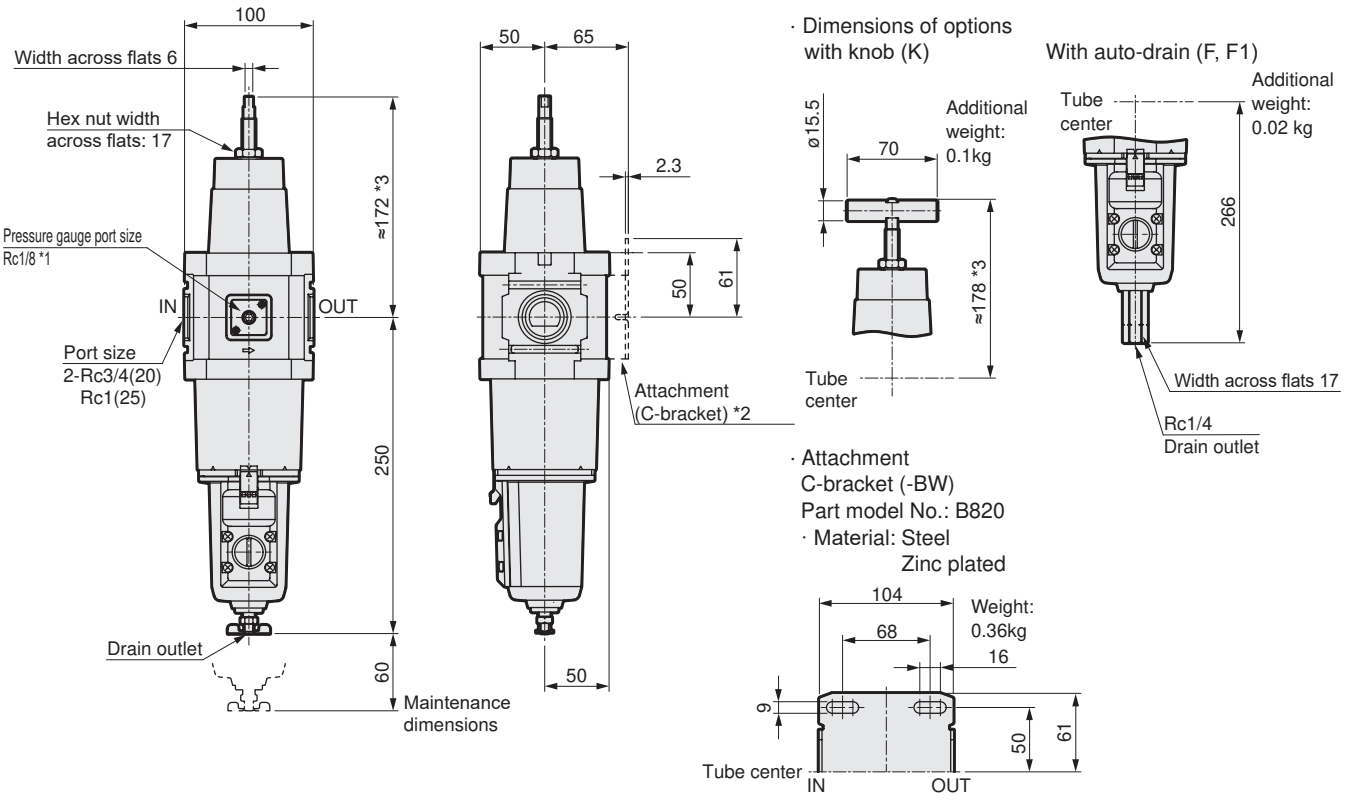
No.	Part name	Material
1	Adjusting screw assembly	Stainless steel (aluminum, nitrile rubber, polyacetal resin: WW4000 only)
2	Cover	Aluminum alloy die-casting
3	Diaphragm assembly	Stainless steel, nitrile rubber, aluminum
4	Body	Aluminum alloy die-casting
5	Valve assembly	Copper alloy, hydrogenated nitrile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



● WW8000-W



*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