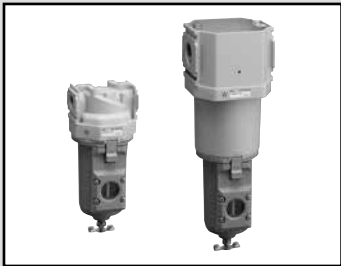


F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filt
Film
Resist FR
Oil-ProhrR
Med
Press FR
No Cu/
PTFE FRL
Outdis FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube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



Air filter/outdoor series

FW4000/FW8000-W Series

A series of outdoor specification products.

● Port size: 1/4 to 1

JIS symbol



Specifications

Item		FW4000-W	FW8000-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	
Drain capacity	cm ³	80	80 (*3)
Port size	Rc,NPT,G	1/4,3/8,1/2	3/4,1
Weight	kg	0.55	1.26

- *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 drain 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 cm³ is stored with the manual cock only.

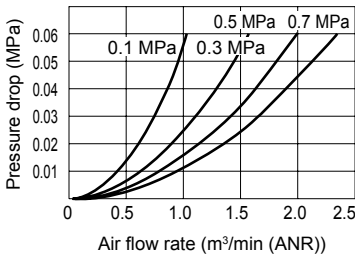
Option weight

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

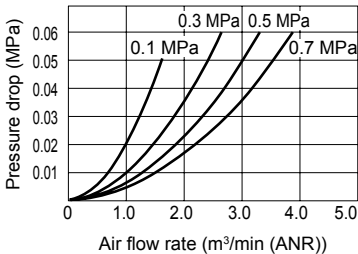
Code	Drain discharge		Attachment
	F	F1	BW
FW4000	0.02	0.02	0.21
FW8000	0.02	0.02	0.36

Flow characteristics

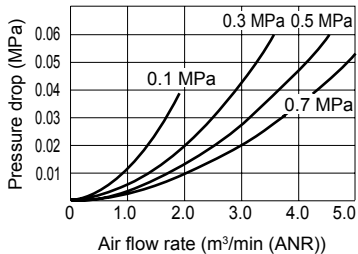
● FW4000-8-W



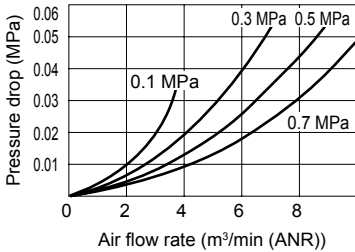
● FW4000-10-W



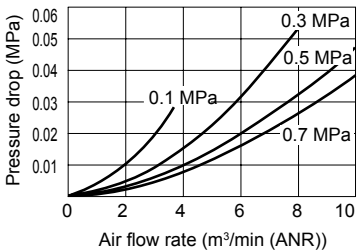
● FW4000-15-W



● FW8000-20-W

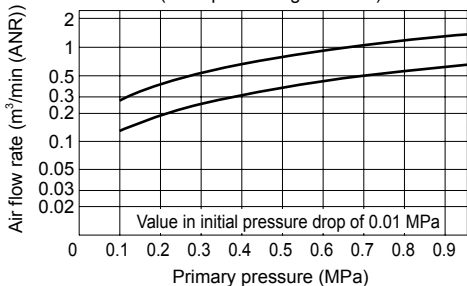


● FW8000-25-W



● FW4000/FW8000-*-W-Y (0.3 μm element)

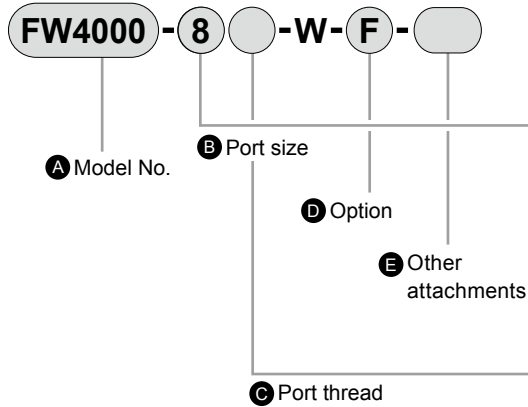
(Max. processing flow rate)



Contact CKD for details about the FW8000-*-W-Y high capacity type.

FW4000-*-W-Y

How to order



Code		Description	FW	FW
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	
Drain discharge *4	Blank	With manual cock	●	●
	F	Auto-drain with manual override (NO: Exhaust when not pressurized)	●	●
	F1	Auto-drain, man OVRD (NC: no press→no exhaust)	●	●
Element	Blank	5 μm	●	●
	Y	0.3 μm (submicron)	●	●
Warranty period	Blank	1 year after delivery	●	●
	G	3 years after delivery (with inspection certificate, inspection guidelines, traceability system diagram)	*5, 6 ●	● ●
Flow direction	Blank	Standard flow (left → right)	●	●
	X1	Reverse flow (right → left)	●	●
E Other attachments				
			Page 346	
Blank	Not included	●	●	
BW	C type bracket	●	●	

⚠ Precautions for model No. selection

- *1: G and NPT threads are available for IN, OUT 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, 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: The warranty period of option G is 3 years from the date of delivery or 1 year from initial use.
- *6: For option G, the specifications and drawings must be agreed upon.

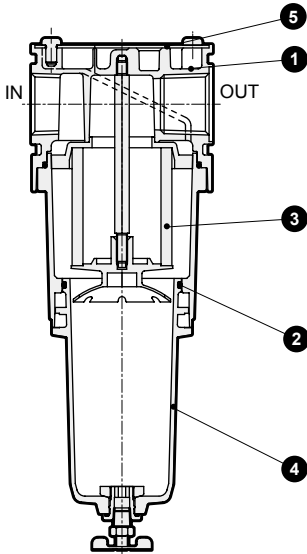
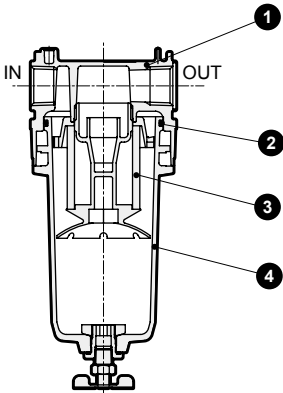
F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube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

Air Filter Series

F.R.L. Internal structure and parts list

F.R. ● FW4000-W ● FW8000-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
Outdis FRL

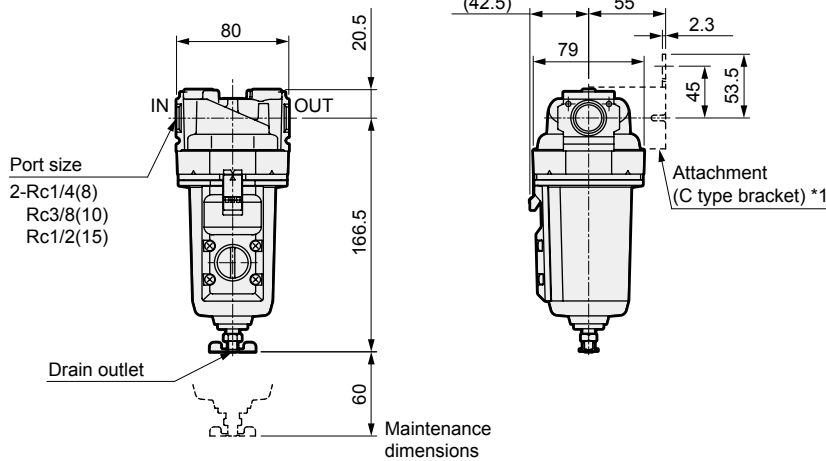


No.	Part name	Material
1	Body	Aluminum alloy die-casting
2	O-ring	Special nitrile rubber
3	Element	Polypropylene
4	Metal bowl assembly	Aluminum alloy die-casting, copper alloy, zinc, nitrile rubber
5	Plate cover	Aluminum

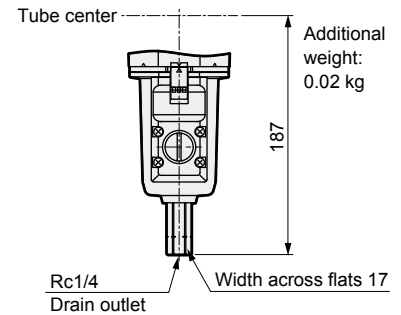
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRtSens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending

Dimensions

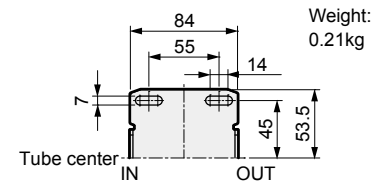
● FW4000-W



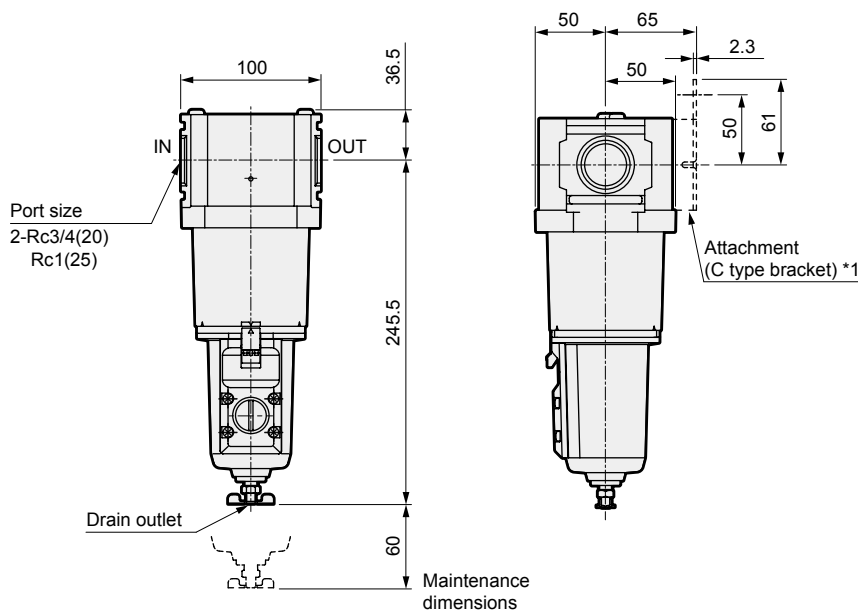
· Dimensions of options
With auto-drain (F, F1)



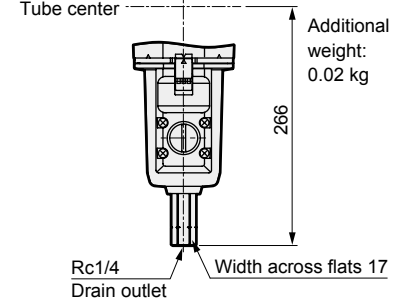
· Attachment
C type bracket (-BW)
Part model No.: B420
· Material: Steel
Zinc plated



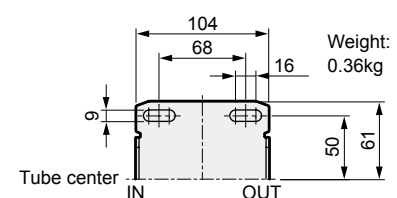
● FW8000-W



· Dimensions of options
With auto-drain (F, F1)



· Attachment
C type bracket (-BW)
Part model No.: B820
· Material: Steel
Zinc plated



*1: Bracket is optional.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
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Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-Prohr
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Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
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Electro Press SW
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