

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
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



Lubricator Outdoor Series

LW4000/LW8000-W Series

Supplies fine oil mist.

● Port size: 1/4 to 1

JIS symbol



Specifications

1 MPa ≈ 145.0 psi, 1 MPa = 10 bar

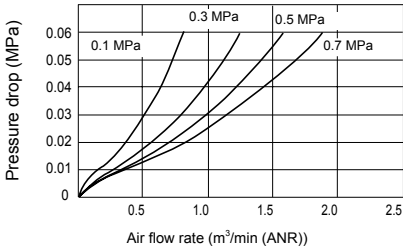
Item	LW4000-W	LW8000-W
Working fluid	Compressed air	
Max. working pressure MPa	1.0 (≈145 psi, 10 bar)	
Proof pressure MPa	1.5 (≈217 psi, 15 bar)	
Fluid temperature °C	5 (41°F) to 60 (140°F)	
Ambient temperature °C	-10 (14°F) to 60 (140°F) (no freezing)	
Min. drip flow rate *1 m³/min (ANR)	0.065	
Oil storage capacity cm³	170	170 (Max. 360) *2
Oil used	Turbine oil Class 1, ISO VG32 (spindle oil cannot be used)	
Port size Rc, NPT, G	1/4, 3/8, 1/2 (3/4 uses an adapter)	3/4, 1 (1 1/4 uses an adapter)
Weight kg	0.45	1.4

*1: The min. drip flow rate is that at which five drops of turbine oil drip per minute at the primary pressure of 0.5 MPa and inlet air temperature of 20 °C. (It cannot be used for dry fog.)

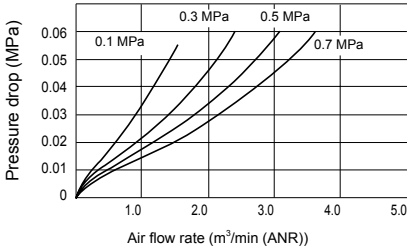
*2: 300 cm³ or below from the top of the cup window when lubricating from the filling plug.

Flow characteristics

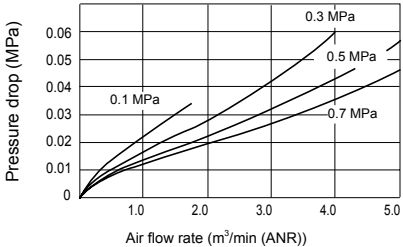
● LW4000-8-W



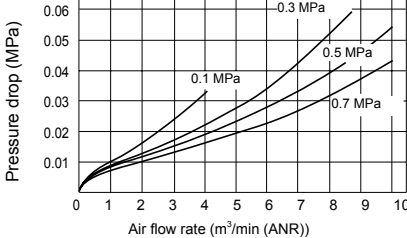
● LW4000-10-W



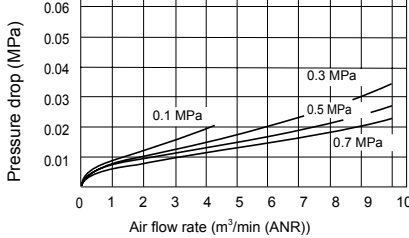
● LW4000-15-W



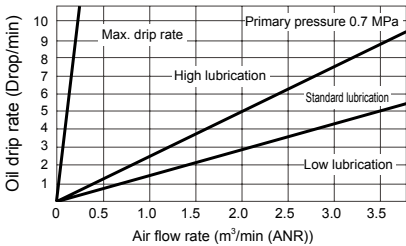
● LW8000-20-W



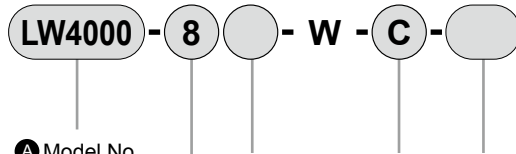
● LW8000-25-W



Oil drip rate



How to order



A Model No.

B Port size

C Port thread

D Option

E Bracket (included)

⚠ Precautions for model No. selection

*1: G and NPT threads are available for IN and OUT.

*2: When selecting options for several items, list options in order from the top.

*3: 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 unit must be °C due to the Measurement Act.)

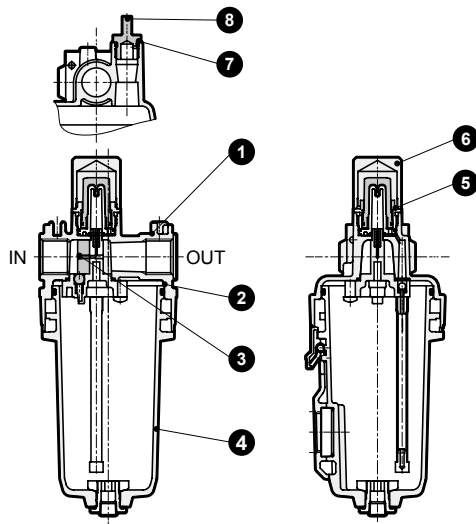
*4: The warranty period of option G is 3 years from the date of delivery or 1 year from initial use.

*5: For option G, the specifications and drawings must be agreed upon.

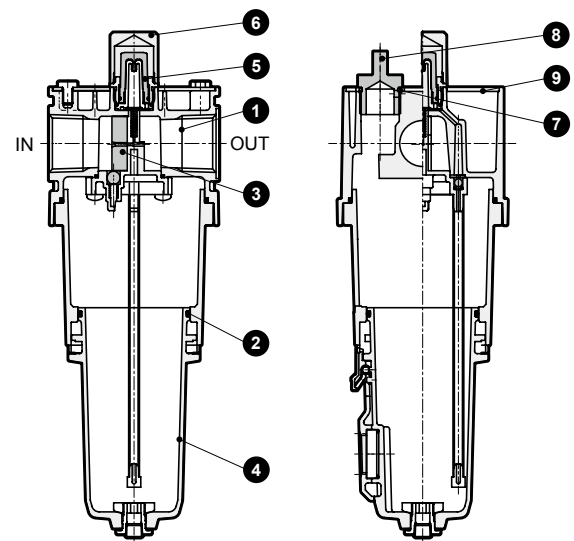
Code		Description	L	L
B Port size				
8	1/4		●	
10	3/8		●	
15	1/2		●	
20	3/4			●
25	1			●
C Port thread				
Blank	Rc thread		●	●
N	NPT thread		●	●
G	G thread		●	●
D Option				
Drain discharge	Blank	Without manual cock	●	●
	C	With manual cock	●	●
Warranty period	Blank	1 year after delivery	●	●
	G	3 years after delivery (with inspection certificate, inspection guidelines, traceability system diagram)	●	●
Flow Direction	Blank	Standard flow (left → right)	●	●
	X1	Reverse flow (right → left)	●	●
E Bracket (included)				
Blank	Not included		●	●
BW	C-bracket		●	●

Internal structure and parts list

● LW4000-W



● LW8000-W



No.	Part name	Material
1	Body	Aluminum alloy die-casting
2	O-ring	Special nitrile rubber
3	Flow guide	Nitrile rubber
4	Metal bowl assembly	Aluminum alloy die-casting, zinc alloy die-casting, stainless steel
5	Adjusting dome assembly	Stainless steel, nitrile rubber, polycarbonate resin
6	Dome cover	Aluminum
7	O-ring	Nitrile rubber
8	Filling plug	Stainless steel
9	Plate cover	Aluminum

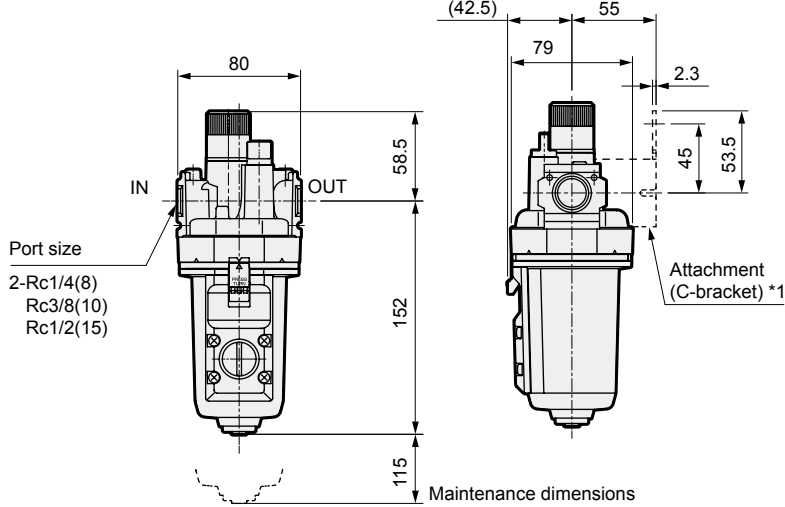
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R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed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

Lubricator Series

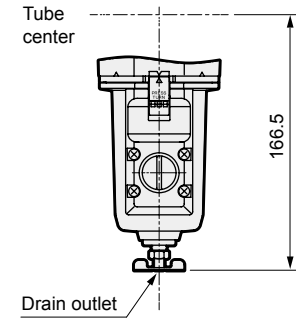
F.R.L. Dimensions

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Drain Separ
Mech Press SW
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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)
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Gas generator
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Ending

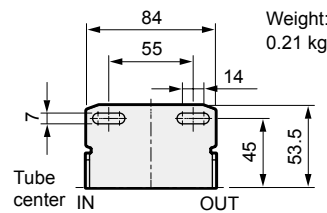
● LW4000-W



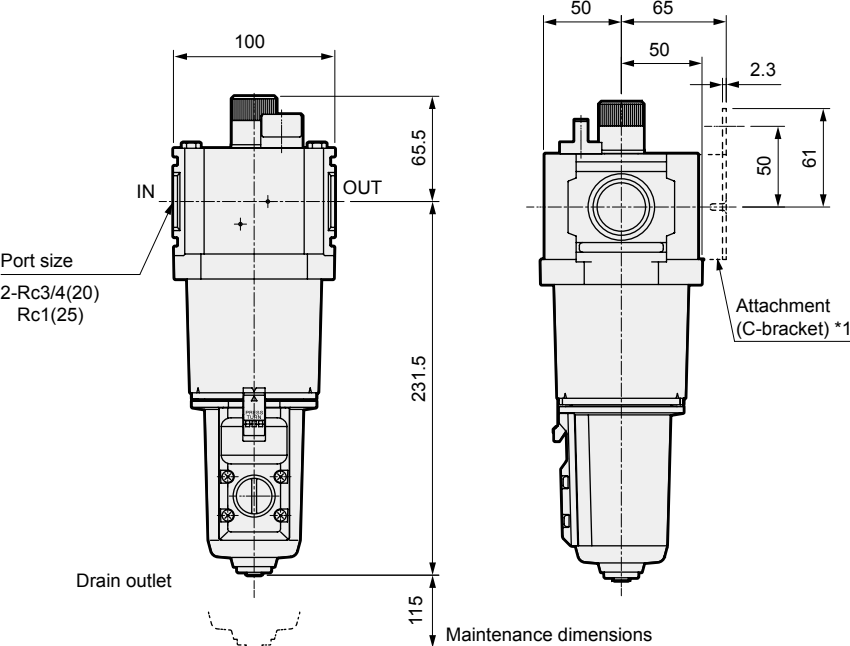
Optional dimensions With manual petcock (C)



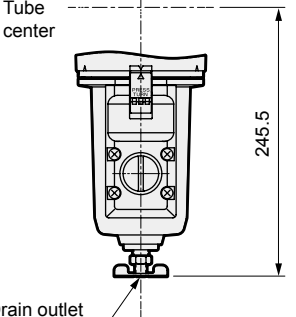
Attachment C-bracket (-BW) Part model No.: B420



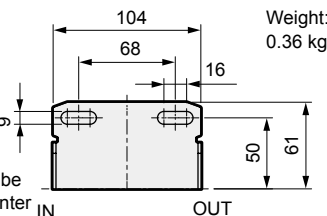
● LW8000-W



Optional dimensions With manual petcock (C)



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



*1: Bracket is optionally included.