

Lubricator standard white Series L1000/L3000/L4000/L8000-W Series

Supplies fine oil mist. Port size: 1/8 to 1

JIS symbol



Specifications

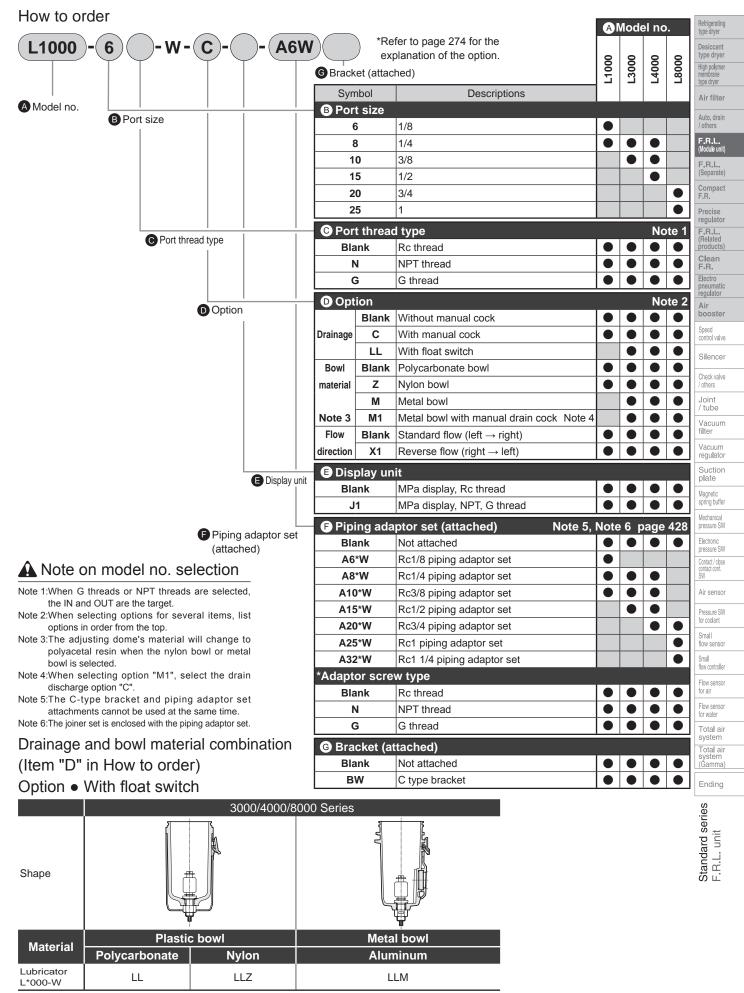
opconications						
Descriptions	L1000-W	L3000-W	L4000-W	L8000-W		
Appearance	COLOR					
Working fluid		Compre	ssed air			
Max. working pressure MPa	1.0					
Withstanding pressure MPa	1.5					
Working temperature °C	5 to 60					
Minimum drip flow Note 1 m ³ /min. (ANR)	0.015	0.03	0.065	0.065		
Oil capacity cm ³	20	85	170	170(MAX360)		
Use oil	Turbine oil Class 1 ISO VG32 (spindle oil can not be used)					
Port size Rc, NPT, G	1/8, 1/4 (3/8 uses an adaptor)	1/4, 3/8 (1/2 uses an adaptor)	1/4, 3/8, 1/2 (3/4 uses an adaptor)	3/4, 1 (1 1/4 uses an adaptor		
Product weight kg	0.1	0.28	0.45	1.4		
Standard accessories	Bowl guard					
Note 1: The minimum drip flow is the rate at which five drops of turbine oil drip per minute at the primary pressure 0.5 MPa and inlet air temperature 20°C.						

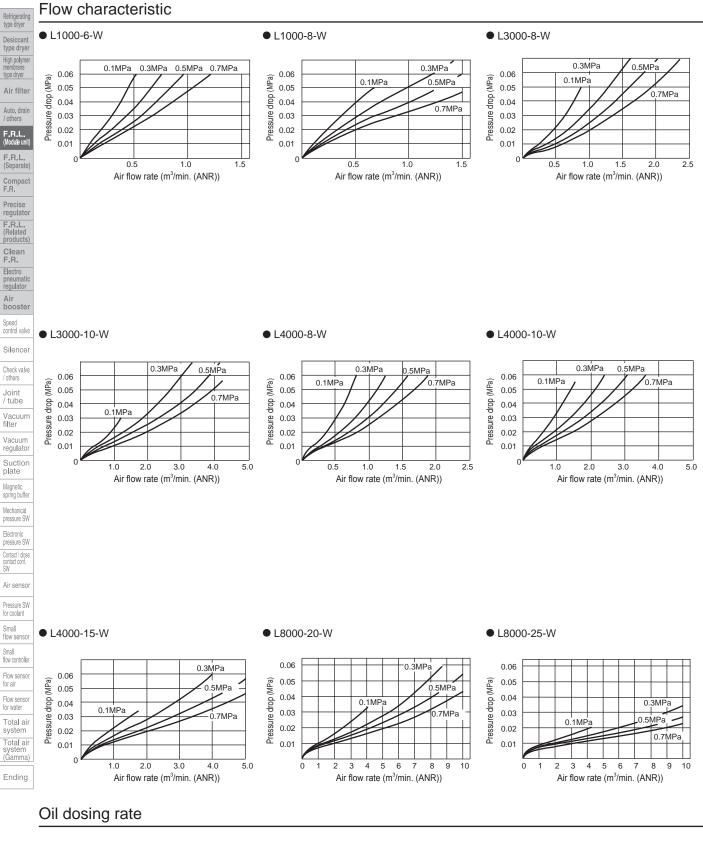
(This cannot be used for dry fog.)

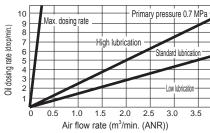
Float switch electric specifications

Pressure SW for coolant	Descriptions					
Small flow sensor	Control point	1 point				
Small	Operation	Switch turns off when float rises (oil level detected), and turns on when float lowers (no oil level detected)				
flow controller	Max. applicable voltage	240VAC, 200VDC				
Flow sensor for air	Max. contact capacitance	50 VA or 50 W, whichever is smaller				
Flow sensor	Max. open and close current	0.5A				
for water Total air	Withstanding pressure between contacts	400 VDC for one minute and leak current 1mA or less				
system	Contact resistance	$220m\Omega$ or less (between terminal sections)				
Total air system (Gamma)	Insulation resistance	100M Ω and over (between terminal and cases, 500 VDC megger)				
	Withstand voltage	1500 VAC for one minute (between terminal and cases)				
Ending	Electric service life	10 ⁶ time (caused by 200 VAC, 200mA or resistance load)				

How to order

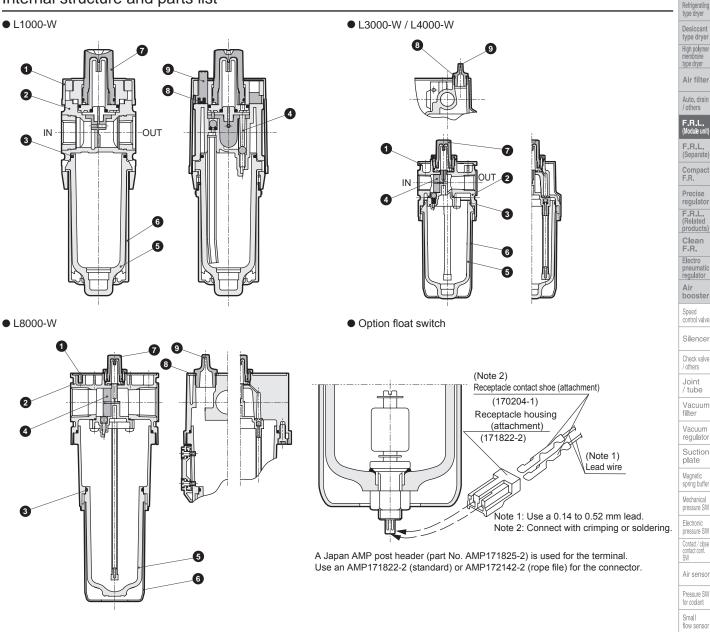






Internal structure and parts list

Internal structure and parts list



						Flow sensor for water	
No.	Parts name		Material				
NO.	Faits fiame	L1000-W	L3000-W	L4000-W	L8000-W	Total air system	
1	Plate cover		ABS	resin		Total air system	
2	Body	Polyamide resin, steel	Polyamide resin, steel Aluminum alloy die-casting			(Gamma)	
3	O ring Note 1		Special nitrile rubber			Ending	
4	Flow guide	Urethane rubber resin Nitrile rubber			rubber	ş	
5	Bowl		Polycarbonate resin			series it	
6	Bowl guard	Polyamide resin		Polyamide resin, steel		unit unit	
7	Adjusting dome		Polycarbo	onate resin		Standard F.R.L. uni	
8	O-ring	Nitrile rubber			B.I.		
9	Filling plug		Polyacetal resin			SE	

Note 1: O-ring of L1000-W is special shaped.

CKD 397

Small flow controller Flow sensor for air

CAD Dimensions

Refrigerating type dryer

Desiccant type dryer High polymer membrane type dryer

Air filter

Auto, drain / others

F.R.L. (Module uni

F.R.L. (Separate)

Compact F.R.

Precise regulator

Clean F.R.

Electro pneumatic regulator

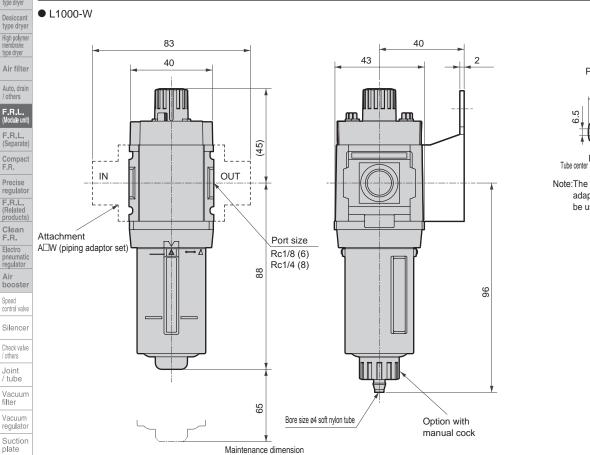
Air booster

Speed control valve Silence Check valve / others

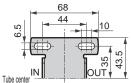
Joint / tube

Vacuum filter

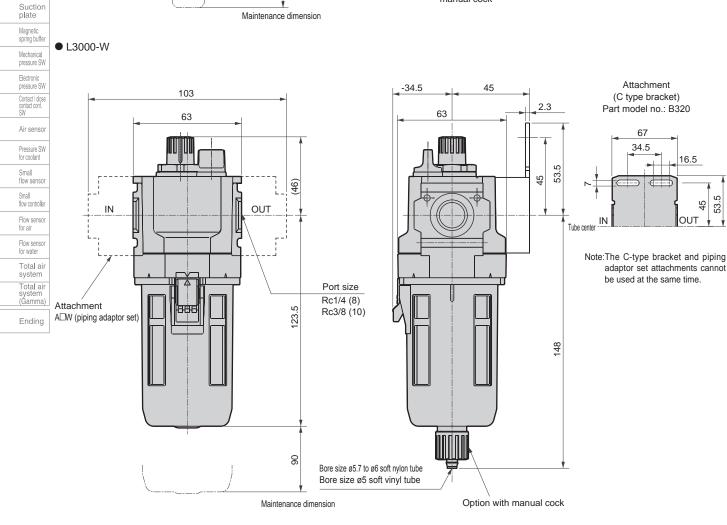
Vacuum regulator



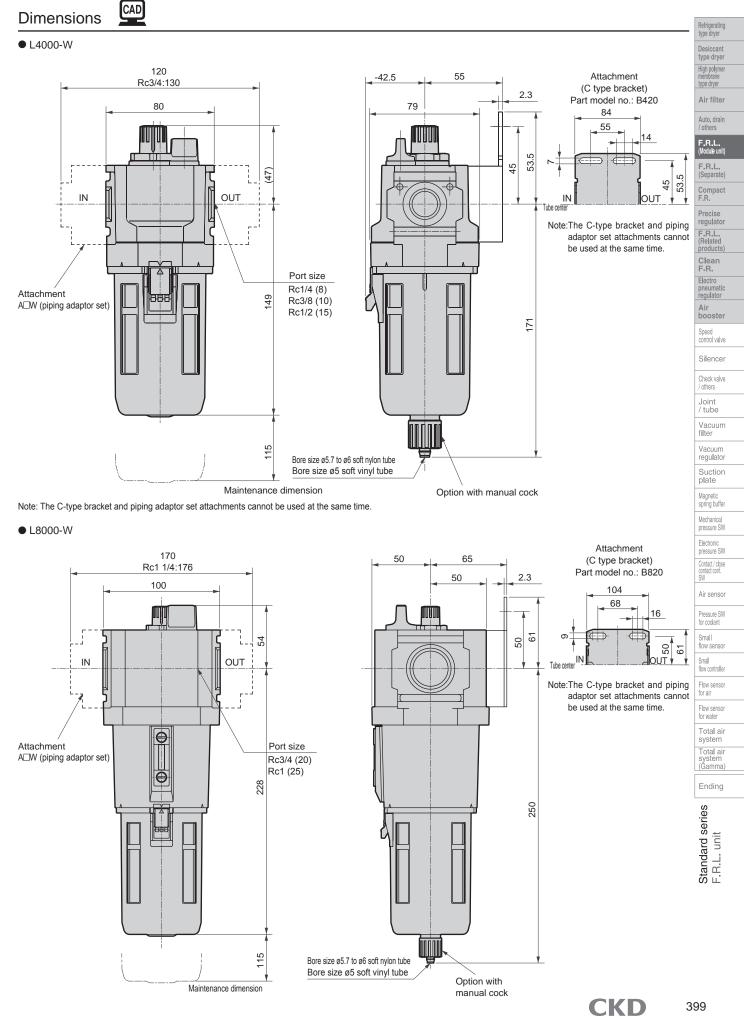
Attachment (C type bracket) Part model no.: B120

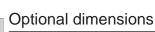


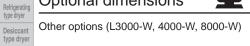
Note: The C-type bracket and piping adaptor set attachments cannot be used at the same time.



Dimensions







CAD

Plastic bowl (blank)

High polymer membrane type dryer

Air filter

Auto, drain / others

F.R.L. (Module uni

F.R.L. (Separate) Compact F.R. Precise regulator F.R.L. (Related products) Clean F.R.

Electro pneumatic regulator

Air booster

Speed control valve Silencer Check valve / others Joint / tube

Vacuum filter Vacuum regulator

Suction plate Magnetic spring buffer

Mechanical pressure SW Electronic pressure SW

Contact / close contact conf. SW Air sensor

Pressure SW for coolant Small flow sensor Small flow controller Flow sensor for air

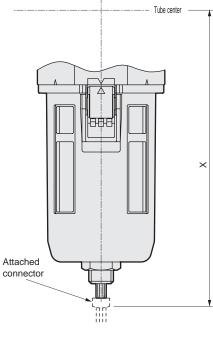
Flow sensor for water Total air system

Total air

system (Gamma)

Ending





Metal bowl without manual cock (M)

without manual cock

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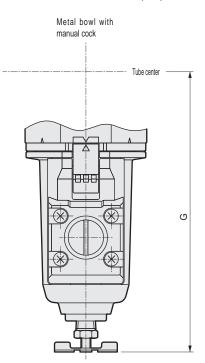
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Tube center

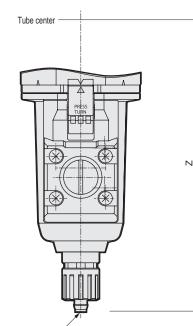
Metal bowl

Metal bowl with manual cock (CM)



Metal bowl with manual cock (CM1)

Metal bowl with manual drain cock

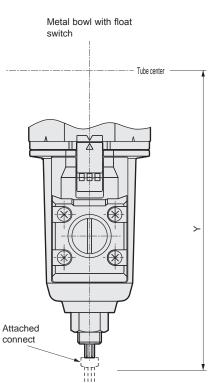


Drain port

Model no.	С	G	Х	Y	Z
L3000-W	129	143.5	147	153.5	154
L4000-W	152	166.5	170	177	177
L8000-W	231.5	245.5	249	256	256

Metal bowl with float switch (LLM)

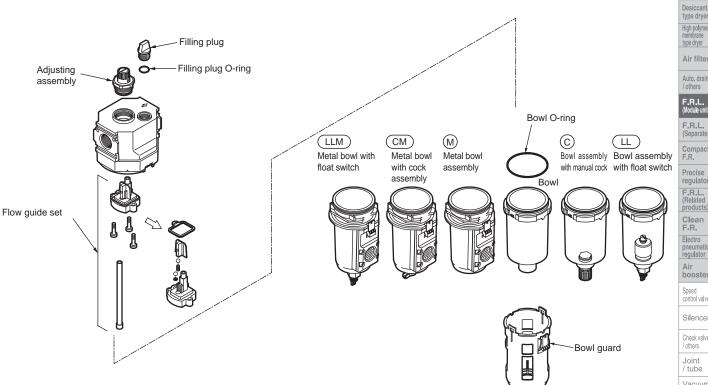
C



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Optional parts diagram

Optional dimensions



Repair kits (Set of fill plug O-ring, adjustment assembly, flow guide set, bowl O-ring)

Model no.	Repair kits model no. (for polycarbonate bowl)	Repair kits model no. (for nylon bowl, metal bowl)
L3000-W	L3000-W-KIT	L3000-W-KIT-Z
L4000-W	L4000-W-KIT	L4000-W-KIT-Z
L8000-W	L8000-W-KIT	L8000-W-KIT-Z

Bowl assembly (Set of bowl assembly and bowl O ring)

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Bowl assembly Model no.	Polycarbonate bowl w/o cock (Blank)	Nylon bowl without cock (Z)	Metal bowl without cock (M)	Polycarbonate bowl w/ cock (C)	Nylon bowl with cock (CZ)	Metal bowl with cock (CM)	Polycarbonate bowl w/ float switch (LL)		Metal bowl with float switch (LLM)	P
L1000-W	L1000-BOWL	L1000-BOWL-Z	-	F1000-W-BOWL	F1000-W-BOWL-Z	-	-	-	-	S
L3000-W	L3000-BOWL	L3000-BOWL-Z	L3000-W-BOWL-M	F3000-W-BOWL	F3000-W-BOWL-Z	F3000-W-BOWL-M	L3000-BOWL-LL	L3000-BOWL-LLZ	L3000-W-BOWL-LLM	S
L4000-W, L8000-W	L4000-BOWL	L4000-BOWL-Z	L4000-W-BOWL-M	F4000-W-BOWL	F4000-W-BOWL-Z	F4000-W-BOWL-M	L4000-BOWL-LL	L4000-BOWL-LLZ	L4000-W-BOWL-LLM	f

* Refer to the air filter options and parts table for details on the bowl guard.

Adjusting assembly

Model no.	Adjusting assembly model no. (for polycarbonate bowl)	Adjusting assembly model no. (for nylon bowl, metal bowl)		
L3000-W, L4000-W, L8000-W	L3000-W-AJ-KIT	L3000-W-AJ-KIT-Z		

Flow guide set

Model no.	Flow guide set model no.
L3000-W	L3000-FLOW-GUIDE
L4000-W	L4000-FLOW-GUIDE
L8000-W	L8000-FLOW-GUIDE

Filling plug set (set of filling plug and filling plug O-ring)

Model no.	Filling plug set model no.
L3000-W, L4000-W	L3000-W-PLUG
L8000-W	L8000-W-PLUG

High polymer membrane type dryer Air filter Auto, drain / others F.R.L. (Module uni F.R.L. (Separate) Compact F.R. Precise regulator F.R.L. (Related products) Clean F.R. Electro pneumatic regulator Air booster Speed control valve Silence Check valve / others Joint / tube Vacuum filter Vacuum regulator Suction plate Magnetic spring buffer Mechanical pressure SW Electronic pressure SW Contact / close contact conf. SW Air sensor Pressure SW for coolant Small flow senso Small flow controller Flow sensor for air Flow sensor for water Total aiı system Total air system (Gamma) Ending Standard series F.R.L. unit

Refrigerating type dryer

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