Series PL 2000 • 3000 • 4000 • 5000

Lubricator

PL 2000

PL 3000

PL 4000

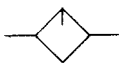
PL 5000

Specifications

Model	PL2000	PL3000	PL4000	PL5000
Port Size Rc(PT)/NPT	1/8″, 1/4″	1/4″, 3/8″	3/8″, 1/2″	3/4″,1″
Max. Supply Pressure	1.5 MPa(213 PSI)			
Max. Operating Pressure	990 MPa(150 PSI)			
Min Operating Flow SCFM(Nl /min)※	1/8: 0.53 (15) 1/4: 1.06 (30)	1/4: 1.06 (30) 3/8: 1.41 (40)	3/8: 1.41 (40) 1/2: 1.77 (50)	3/4: 4.23 (120) 1: 7.79 (220)
Bowl Capacity g (oz)	36(1.27)	88(3.1)	224(7.9)	312(11)
Recommended Oil	Turbine oil ISO VG32			
Ambient and Media Temperature	5~60℃(40~140°F)			
Bowl Material	Polycarbonate			
Weight kgf(lbs)	0.22(0.49)	0.30(0.66)	0.52(1.15)	0.84(1.87)

※Conditions:Supply pressure-5 kgf/cm²(70 PSI), Number of drop-5 drops/min, ISO VG32,20℃(68°F)

Symbol



Accessories(Optional)

Name	Part No.			
	PL2000	PL3000	PL4000	PL5000
Bracket	PF 2000 -43-6034	TAF 3000 -43-6004	TAC 4000 -08-6003	PC 5000 -08-6075

How to Order

UPL 30 00 — ○ 03 B — ○ — ○

1 2 3 4 5 6 7

1 Port
Blank : Rc(PT)
U : NPT

2 Body Size (NPT)
20 : 1/4″
30 : 3/8″
40 : 1/2″
50 : 1″

3 Thread
Blank : Rc(PT)
G : Rc(PF)

4 Port Size
01 : 1/8″
02 : 1/4″
03 : 3/8″
04 : 1/2″
06 : 3/4″
10 : 1″

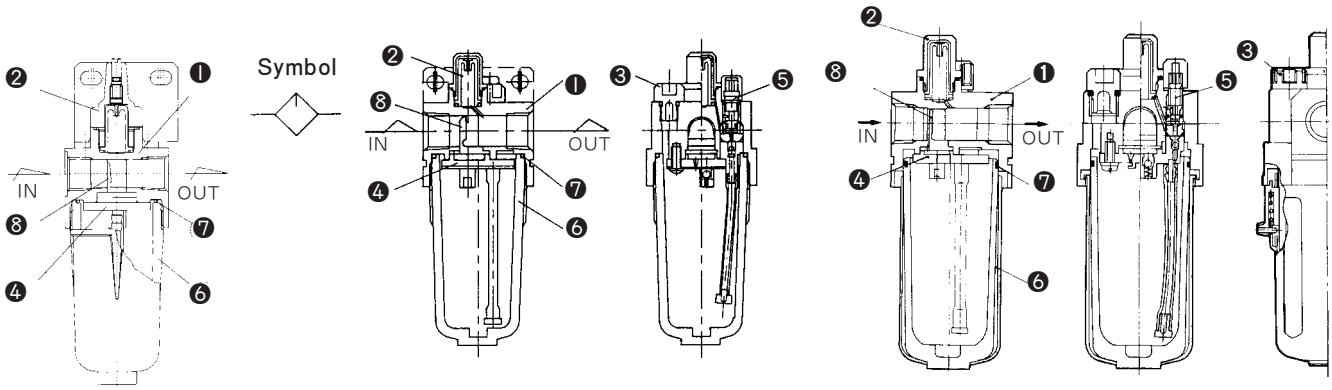
5 Accessory
B : Bracket

6 Bowl Guard
C : With Bowl Guard (2000, 3000 only)
※4000, 5000 : Standard

7 Option
Blank :None(Standard Type)
XC16 : Copper-free
P : Drain Plug

Construction/Parts List

PL2000 PL3000 PL4000/PL5000



Main Parts

No.	Name	PL Material		Note
		PL2000	PL3000 · PL4000 · PL5000	
❶	Body	Zinc Die Cast	Aluminum Die Cast	Baked Enamel Paint(Powder Coating)

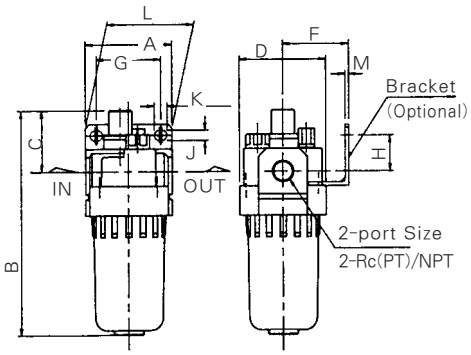
Parts List

No.	Name	Material	Part No.			
			PL2000	PL3000	PL4000	PL5000
❷	Sight Dome Ass'y	Polycarbonate	PL2000-02-6036	TAL4000-20A-6002	TAL4000-20A-6002	TAL4000-20A-6002
❸	Filter Cup Ass'y	–	PL2000-18-6036	TAL3000-18A-6006	TAL4000-18A-6002	TAL4000-18A-6002
❹	Damper Guide Ass'y	–	PL2000-08A-6036	TAL3000-08A-6006	TAL4000-08A-6002	TAL4000-08A-6002
❺	Needle Valve Ass'y	–	PL2000-03-6036	TAL4000-03A-6002	TAL4000-03A-6002	TAL4000-03A-6002
❻	Bowl Ass'y	–	PF2000-07A-6036	TAL3000-07A-6006	TAL4000-31A-6002	PL5000-07-6073
❼	O-ring	NBR	PL2000-08-6036	TAF3000-08-6004	TAF4000-08A-6000	TAF4000-08A-6000
❽	Damper	Synthetic Resin	01 : PL2000-14A-6036 02 : PL2000-14B-6036	02 : PL3000-14A-6006 03 : PL3000-14-6006	PL4000-14-6002	PL5000-08A–6073 PL5000-14-6073

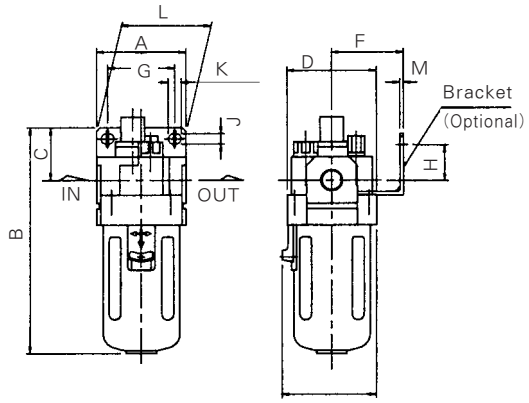
※ Note) Bowl assemblies of PL 4000 are fitted with bowl guards(spc).

Dimensions

PL3000



PL4000



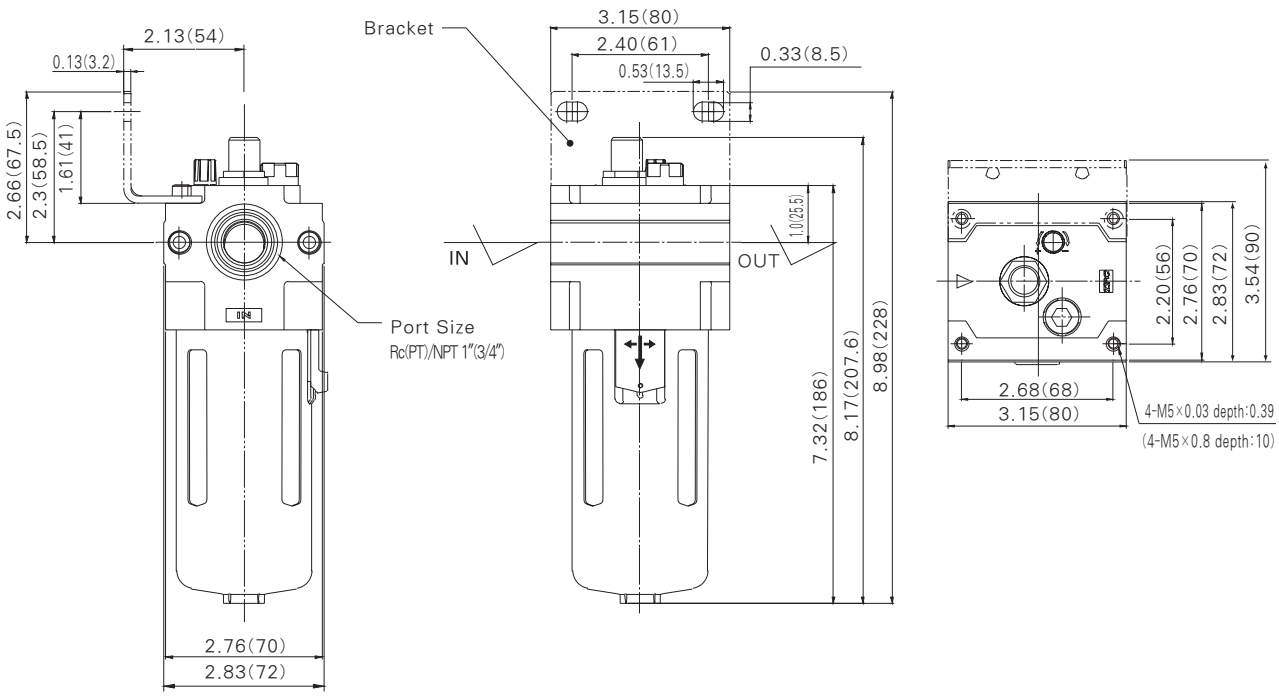
inch(mm)

Model	Port Size Rc(PT)/NPT	A	B	C	D	F	G	H	J	K	L	M	P
PL3000	1/4″ · 3/8″	2.09 (53)	5.55 (141)	1.50 (38)	2.09 (53)	1.61 (41)	1.58 (40)	0.91 (23)	0.26 (6.5)	0.32 (8)	2.09 (53)	0.09 (2.3)	–
PL4000	3/8″ · 1/2″	2.76 (70)	6.97 (177)	1.61 (41)	2.76 (70)	1.97 (50)	2.13 (54)	1.02 (26)	0.33 (8.5)	0.41 (10.5)	2.76 (70)	0.09 (2.3)	2.87 (73)

Dimensions

inch(mm)

PL5000



Design

⚠ Warning

① The bowl and the sight dome material is polycarbonate. Therefore, this product cannot be used in an environment or location that is exposed to synthetic oils, organic solvents, chemicals, or a threadlock agent, etc., which affect the strength of polycarbonate and could cause damage to the product.
Do not use in a press machine. It causes damage and malfunction.

Selection

⚠ Warning

① Air should not flow from the secondary side. It damages the damper.
② Make sure that the amount of air that is necessary for the oil to drip is avallable because the oil might not drip if the operating air volume is insufficient.

Mounting

⚠ Warning

If the line pressure is discharged, the oil could flow back if the operating pressure differential range (the difference between the tank and line pressures) exceeds 0.6MPa. Therefore, make sure to also discharge the tank pressure.

⚠ Caution

Install the float vertically inside the bowl so that it will not come into contact with the siphon tube to prevent the oil from dripping poorly.

Maintenance

⚠ Caution

Check minimum operating flow once a day if a malfunction if minimum operating flow occurrs, it causes trouble with the lubrication.