

Series PC

Filter, Regulator, Lubricator Combinations



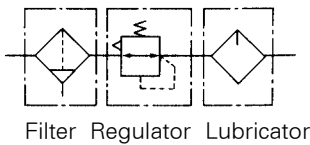
- MODULAR DESIGN
- EASY ASSEMBLY/DISASSEMBLY
- EASY MAINTENANCE
- FINE OIL ADJUSTMENT
- (ONE-TOUCH) BOWL GUARD ON UPC4000, UPC5000
- REFILL UNDER PRESSURE

Standard Specifications

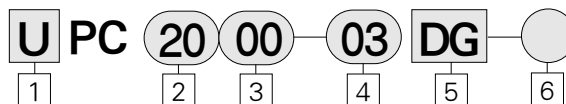
Model		PC2000	PC3000	PC4000	PC5000
Combination	Filter	PF2000	PF3000	PF4000	PF5000
	Regulator	PR2000	PR3000	PR4000	PR5000
	Lubricator	PL2000	PL3000	PL4000	PL5000
Port size (NPT)		1/8", 1/4"	1/4", 3/8"	3/8", 1/2"	3/4", 1"
Port size for pressure gauge (NPT)		1/8"			
Max. Supply Pressure		213 PSI (1.5MPa)			
Max. Operating Pressure		150 PSI (990Kpa)			
Regulating Range		7~125 PSI (50~850Kpa)			
Max. Flow rate Nl/min(SCFM)		500(18SCFM)	2000(70SCFM)	4000(140SCFM)	5000(175SCFM)
Ambient and Media temperature		40~140° F			
Filtration		Standard : 10µm			
Recommended oil		Turbine Oil ISO VG32			
Bowl Material		Polycarbonate			
Construction/Regulator		Relieving type			
Weight lbs.(kgf)		1.39(0.63)	2.60(1.18)	4.72(2.14)	6.74(3.06)

* Conditions : Supply PRESSURE-100 PSI(7kgf/cm²), Setting pressure-70 PSI(5 kgf/cm²)

Symbol



How to Order



1 Series

Blank : PT
U : NPT

2 Body Size(NPT)

20 : 1/4"
30 : 3/8"
40 : 1/2"
50 : 1"

06 : 3/4"
10 : 1"

3 Components

00 : Air Filter(UPF)+Regulator(UPR)+Lubricator(UPL)
10 : Filter Regulator(UPW)+Lubricator(UPL)
20 : Air Filter(UPF)+Regulator(UPR)

Note: Order of assembly

4 Port Size

01 : 1/8"
02 : 1/4"
03 : 3/8"
04 : 1/2"
06 : 3/4"
10 : 1"

5 Accessory

D : Auto drain : Float type(N.O)

* UPC2000 : Differential Pressure type

G : Pressure gauge

S : Shut-Off Valve

6 Bowl Guard Option

(Series 2000, 3000 Only)

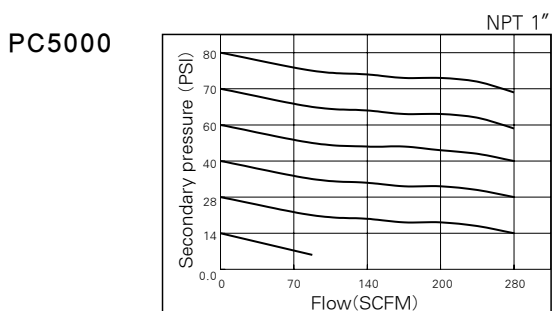
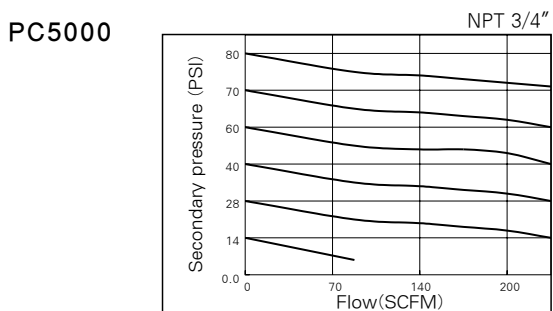
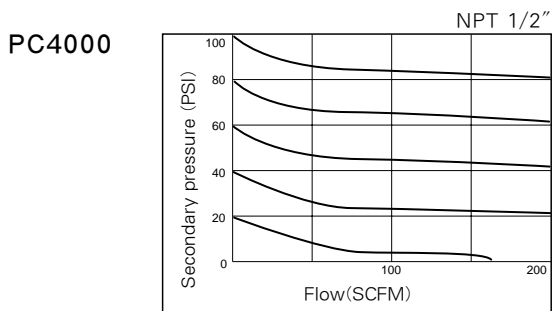
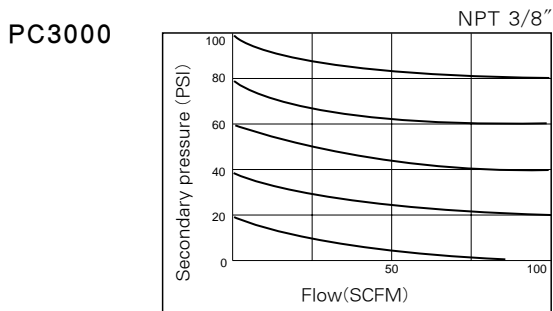
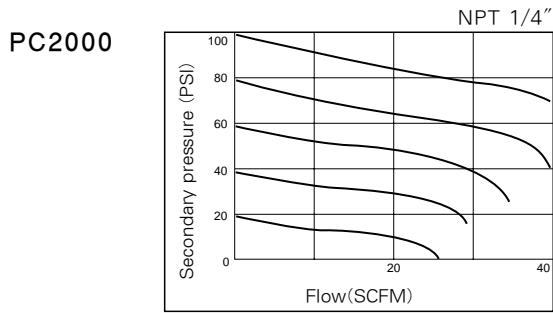
Blank : None(Standard Type)

C : Metal Bowl Guard

XC16 : Copper-free

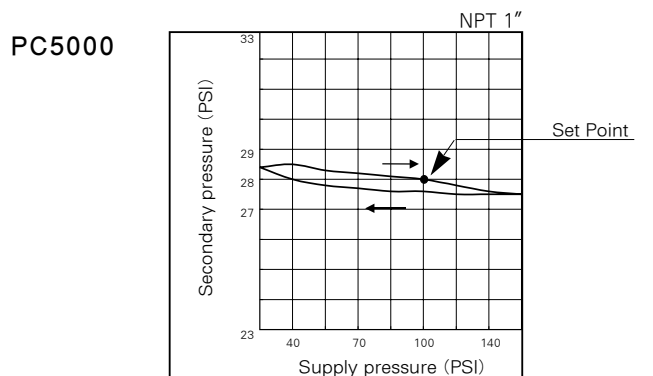
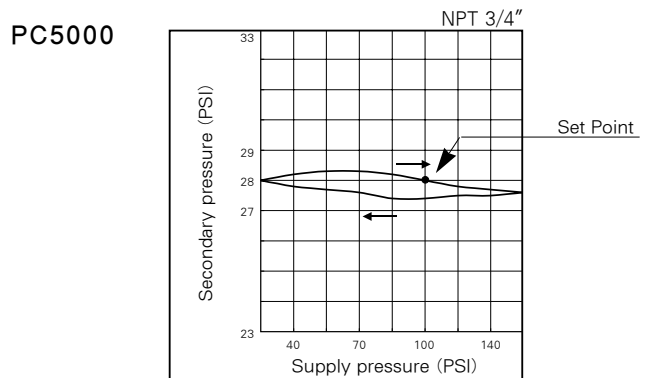
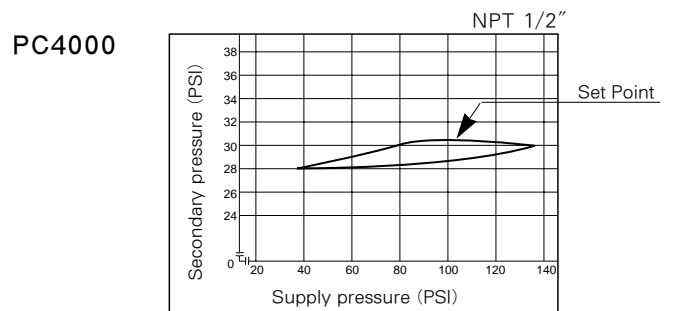
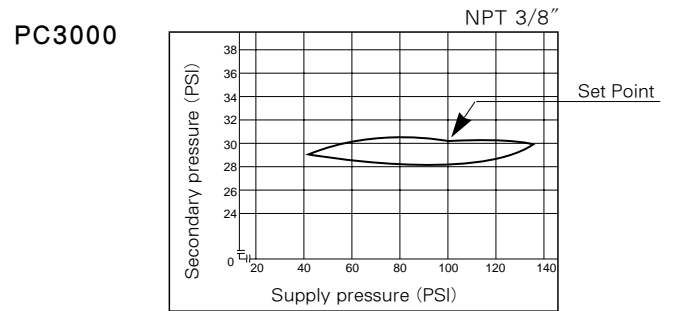
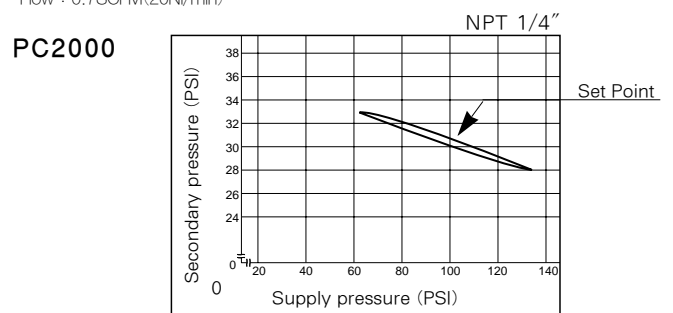
Flow Characteristics

※ Operating pressure: 100 PSI(7 kgf/cm²)



Pressure Characteristics

※ Operating pressure : 100 PSI(7 kgf/cm²)
 Secondary pressure : 30 PSI(2 kgf/cm²)
 Flow : 0.7SCFM(20NI/min)



PC

PF

PFH
PFU

PR

PL

PW

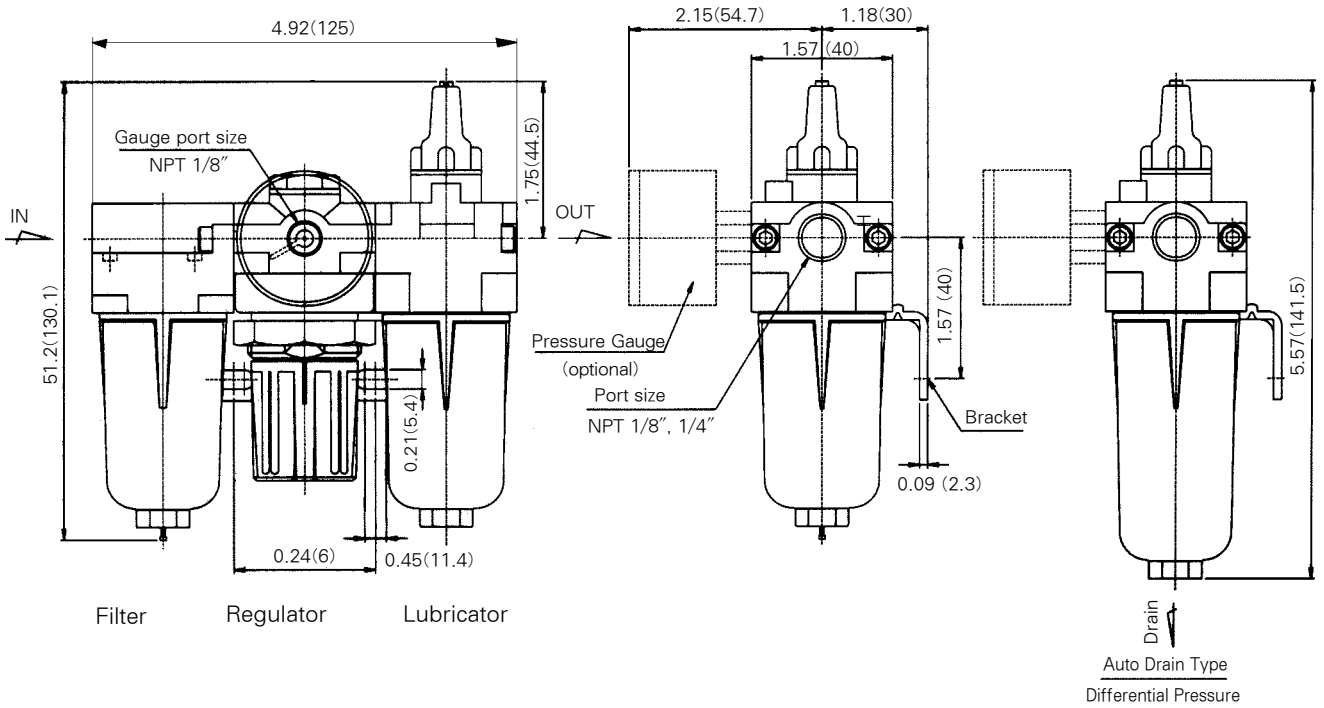
SH

Series PC

Dimensions

inch(mm)

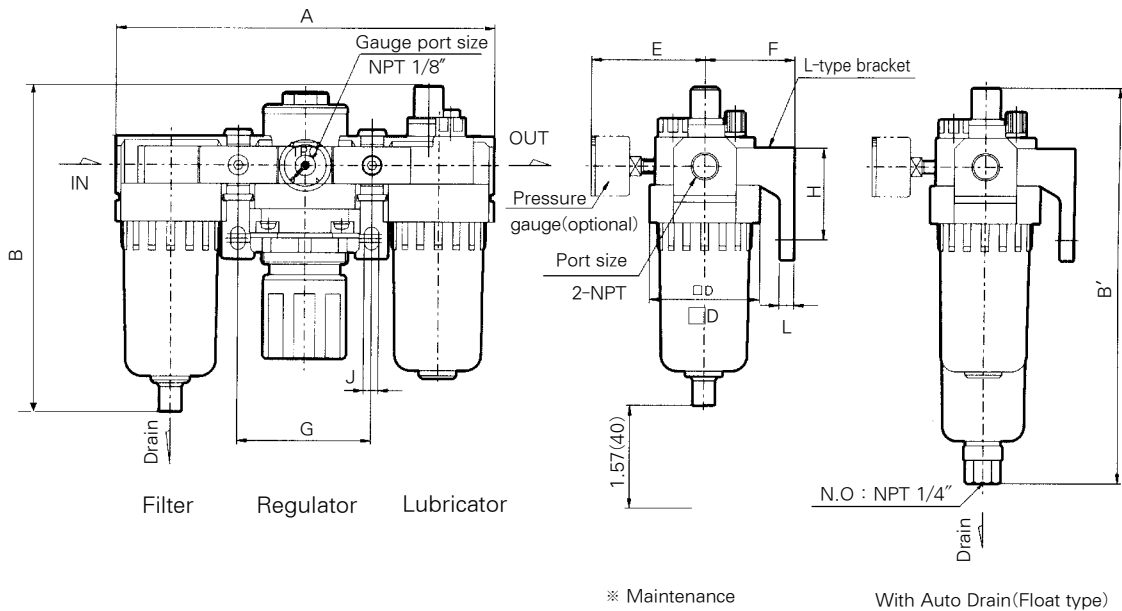
PC2000



Dimensions

inch(mm)

PC3000



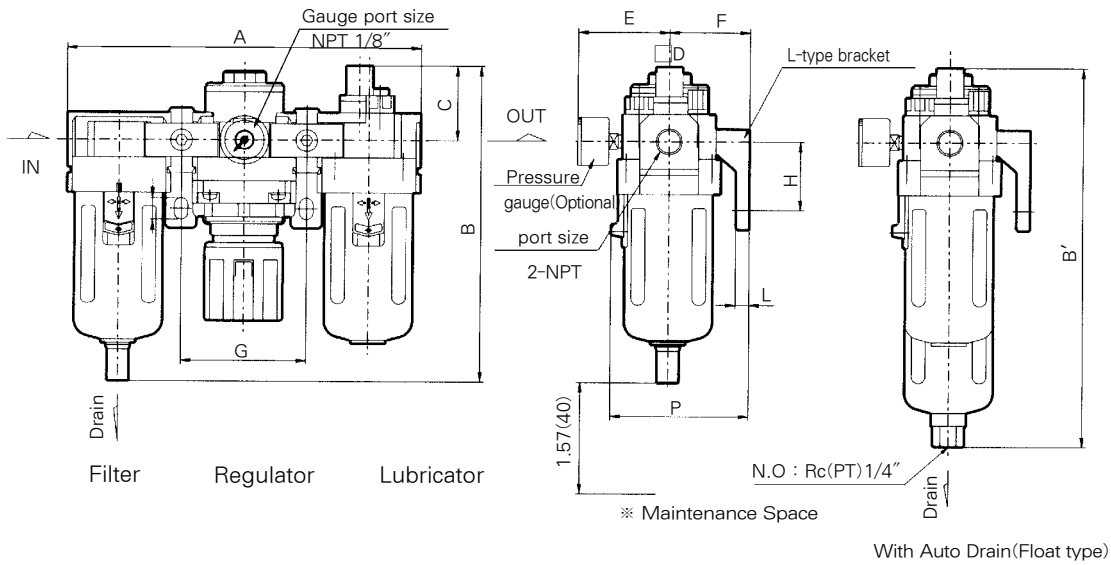
inch(mm)

Model	Port Size (NPT)	A	B	C	D	E	F	G	H	J	K	L	P	With auto drain
														Float type N-O
														B'
PC3000	1/4" · 3/8"	6.14 (156.5)	6.12 (155.5)	1.50 (38)	2.09 (53)	2.42 (66.5)	1.61 (41)	2.52 (64)	1.73 (44)	0.63 (16)	0.43 (11)	0.28 (7)	2.66 (67.5)	7.13 (181)

Dimensions

inch (mm)

PC4000

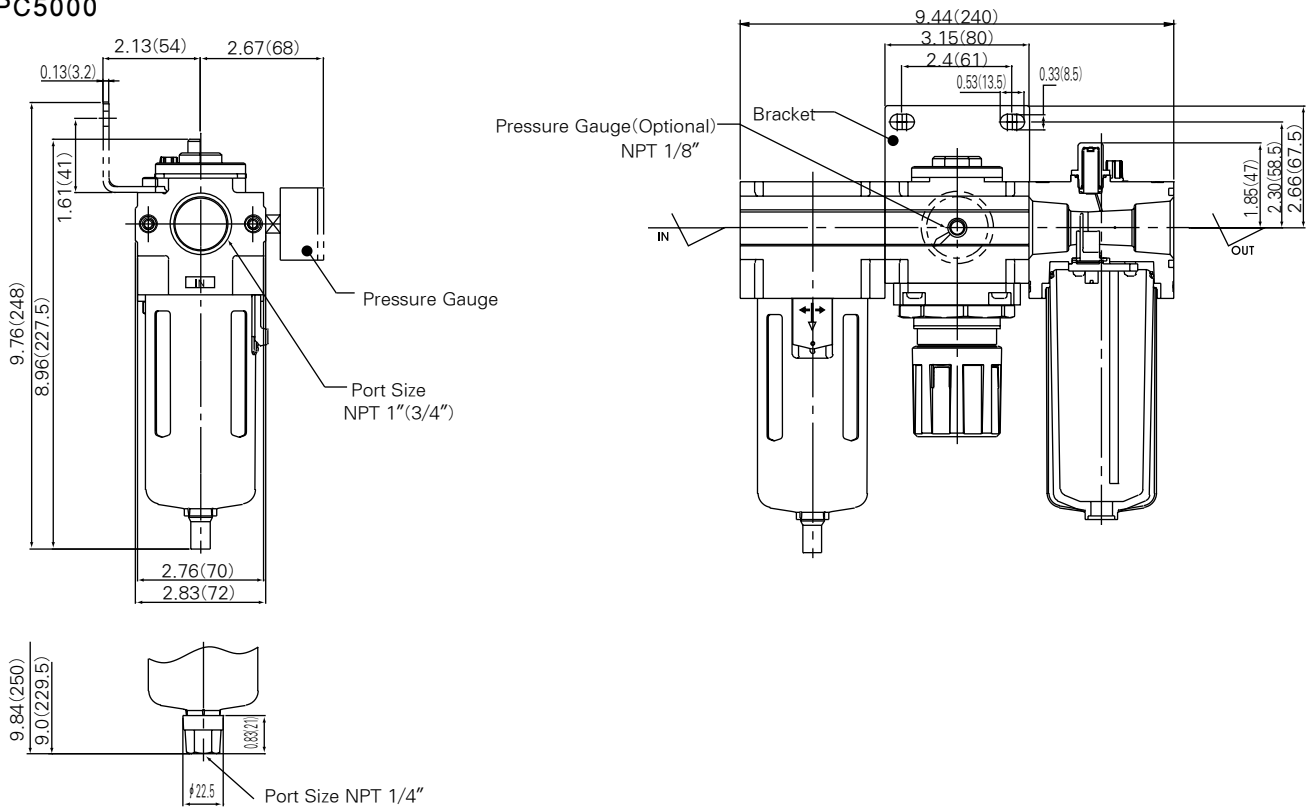


Model	Port Size (NPT)	A	B	C	D	E	F	G	H	J	K	L	P	With auto drain
														Float type N·O
														B'
PC4000	3/8" · 1/2"	9.37 (238)	7.68 (195)	1.61 (41)	2.76 (70)	2.58 (65.5)	1.97 (50)	3.31 (84)	1.57 (40)	0.35 (9)	0.51 (13)	0.28 (7)	3.46 (88)	8.50 (216)

Dimensions

inch (mm)

PC5000



Auto Drain Type

PC

PF

PFH
PFU

PR

PL

PW

SH

Precautions

Installation

- ① Flush piping before installation.
- ② The use of the piping adapters will make installation easier.
- ③ The regulator may be installed with the adjustment knob up or down.

Atmosphere

- ① Polycarbonate bowls may be damaged and possibly fail if exposed to synthetic oils, thinner solvents, trichlorethylene, kerosene or other aromatic hydrocarbons.

Auto Drain

Float type (Normally Open)(PC3000, 4000, 5000)

- ① Drain line should be 5/16 inch(8mm) or more and should be less than 16.5ft(5m)long. Be sure not to have any upward turns in the drain line which would prevent drainage.
 - ② Unsuitable for flow below 3.5 SCFM(100N l /min)
 - ③ Min. operating pressure is 15 PSI (1kgf/cm²)
 - ④ Soft nylon tube of more than 3/32 inch(φ 2.5)O.D, is recommended for drain pipe. The length should be less than 16 ft.(5m)long.
 - ⑤ Should be installed vertically.
- ※ Semi-Automatic Drain Type(UPC2000)

Accessory(Optional)

Name		Part No.			
		PC2000	PC3000	PC4000	PC5000
Pressure gauge	150 PSI	TAR4000-16-6001			
Auto drain	N·O	※PF2000 -01A-6039	TAF3000 -01A6008	TAF4000- 01A-6009	PC5000- 01A-6071

- Min. operating pressure:N·O 1kgf/cm²(15PSI)

※ Differential Pressure type