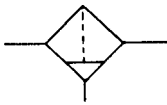


Series *PF* 2000 • 3000 • 4000 • 5000

Air Filters



Symbol



Specifications

Model	PF2000	PF3000	PF4000	PF5000
Port size (NPT)	1/8", 1/4"	1/4", 3/8"	3/8", 1/2"	3/4", 1"
Max. Supply Pressure	213PSI {1.5MPa}			
Max. Operating Pressure	150PSI {990KPa}			
Ambient and Media Temperature	40~140 ° F (5~60°C)			
Filtration	Standard: 10µm			
Bowl Material	Polycarbonate			
Bowl Capacity (oz)	0.9	2.0	6.0	11
Weight Lbs. (kgf)	0.42(0.19)	0.64(0.29)	1.21(0.55)	1.85(0.84)

Accessories(Optional)

Name	Part No.			
	PF2000	PF3000	PF4000	PF5000
Bracket	PF2000-43-6034	TAF3000-43-6004	TAF4000-08-6003	PC5000-08-60075
Auto drain	N·O ※PF2000-01A-6039	TAF3000-01A-6008	TAF4000-01A-6009	PC5000-01A-6071

- Min Operating Pressure : 1kgf/cm²(15PSI)

※ Differential Pressure type

How to Order

UPF **30** 00 — **03** **B** — ○

1 2 3 4 5

1 Air Filter

2 Body Size

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

3 Port Size (NPT)

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

4 Accessory

B : Bracket

D : Auto drain(N·O)

※ UPF2000 : Differential Pressure type

5 Bowl Guard Option

(Series 2000, 3000 Only)

Blank : None(Standard Type)

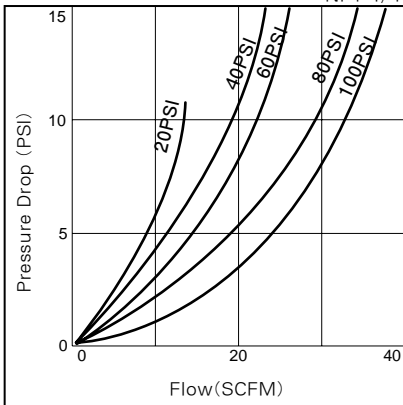
C : Metal Bowl Guard

XC16 : Copper-free

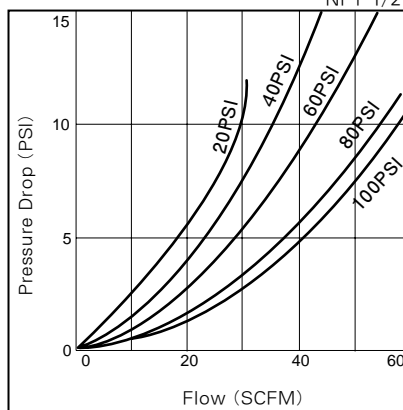
Series PF

Flow Characteristics

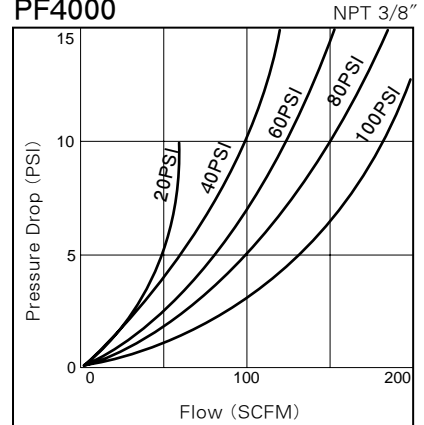
PF2000



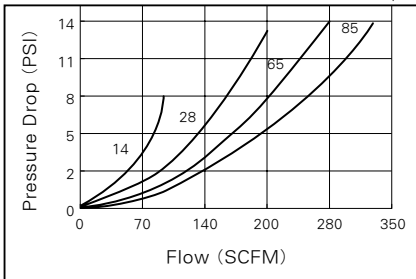
PF3000



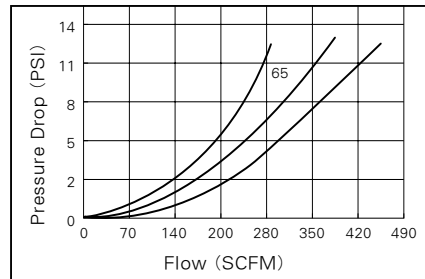
PF4000



PF5000



PF5000



Precautions

Installation

Flush piping before installation.

Atmosphere

Polycarbonate bowls may be damaged and could fail if exposed to synthetic oils, thinner solvents, trichloroethylene, kerosene or other aromatic hydrocarbons.

Auto Drain

Float type (Normally Open) (PF3000, 4000, 5000)

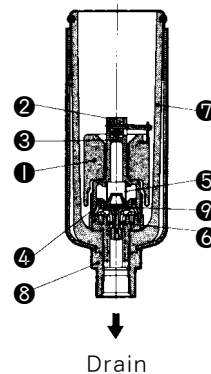
- ① Drain line should be 5/16 inch (8mm) or more and should be less than 16.5ft (5m). Be sure not to have any upward turns in the drain line which would prevent drainage.
- ② Unsuitable for flow below 3.5 SCFM (100N l/min).
- ③ Min. operating pressure 1kgf/cm² (15 PSI)
Soft nylon tube of more than ϕ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

Maintenance

Filter element should be changed after 1 year or when a pressure drop of 1 kgf/cm² (15 PSI) is reached.

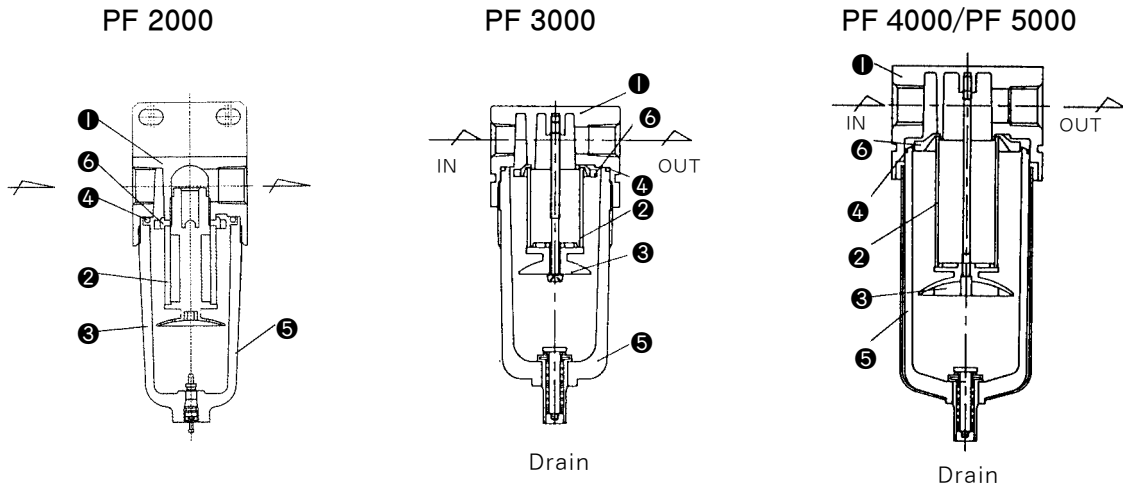
Float Type

N:O Type
/PF2000-01A-6039
/TAF3000-01A-6008
/TAF4000-01A-6009
/PF5000-01A-0671



Without pressure inside the bowl, float ① is down by gravity and valve ② closes chamber hole ③. Piston ④ is pushed down by spring ⑤ and condensate passes through ⑦ into drain housing and exhausted. With pressure inside the bowl ⑦, the piston raises by overcoming spring ⑤ force. When condensate collects, the float ① goes up by buoyancy, and opens the bleed hole ③ and spring force and condensate is exhausted through drain guide ⑧.

Construction/Parts List



- PC
- PF
- PFH
PFU
- PR
- PL
- PW
- SH

Main Parts

No.	Name	PF Material		Note
		PF2000	PF3000 · 4000 · 5000	
①	Body	Zinc Die cast	Aluminum Die Cast	Baked Enamel Painting(Powder Coating)

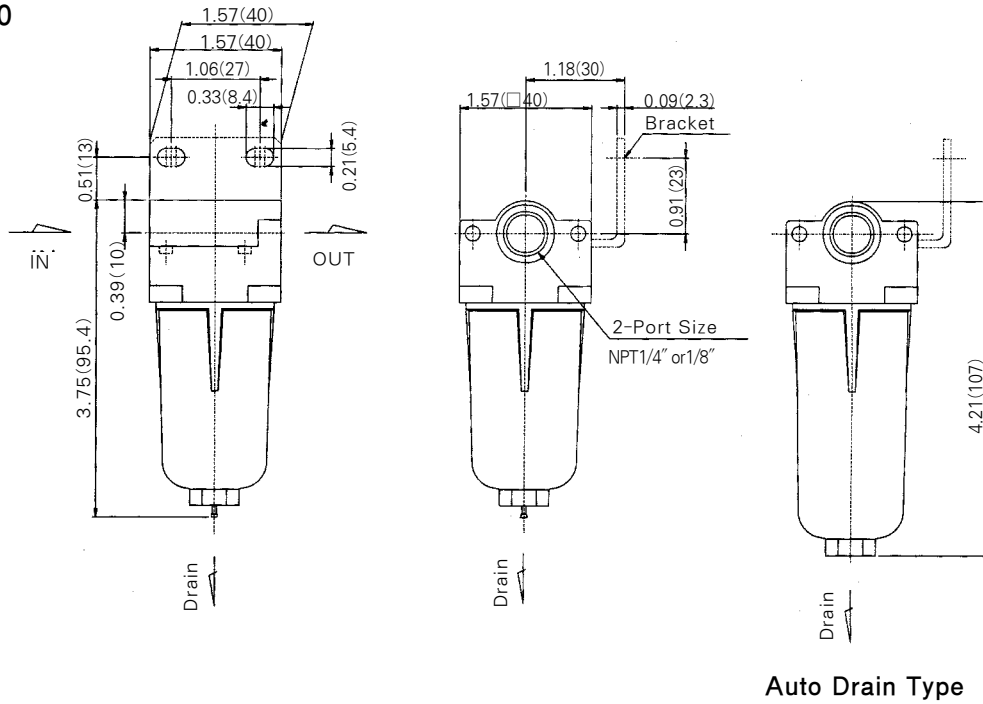
Parts List

No.	Name	Part No.			
		PF2000	PF3000	PF4000	PF5000
②	Filter Element	PF2000-05-6034	TAF3000-05-6004	TAF4000-05-6000	TAF4000-05-6000
③	Baffle	-	-	-	-
④	O-ring	-	-	-	-
⑤	Bowl Assembly	PF2000-07-6034	TAF3000-07-6004	TAF4000-07-6000	PF5000-07-6071
⑥	Deflector	-	-	-	-

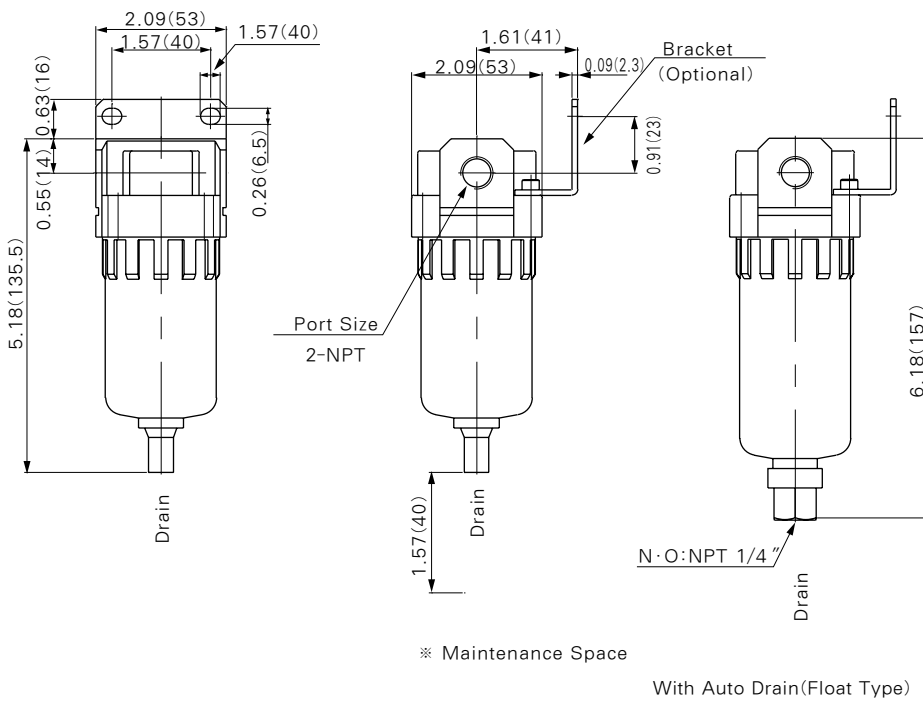
Dimensions

inch(mm)

PF 2000



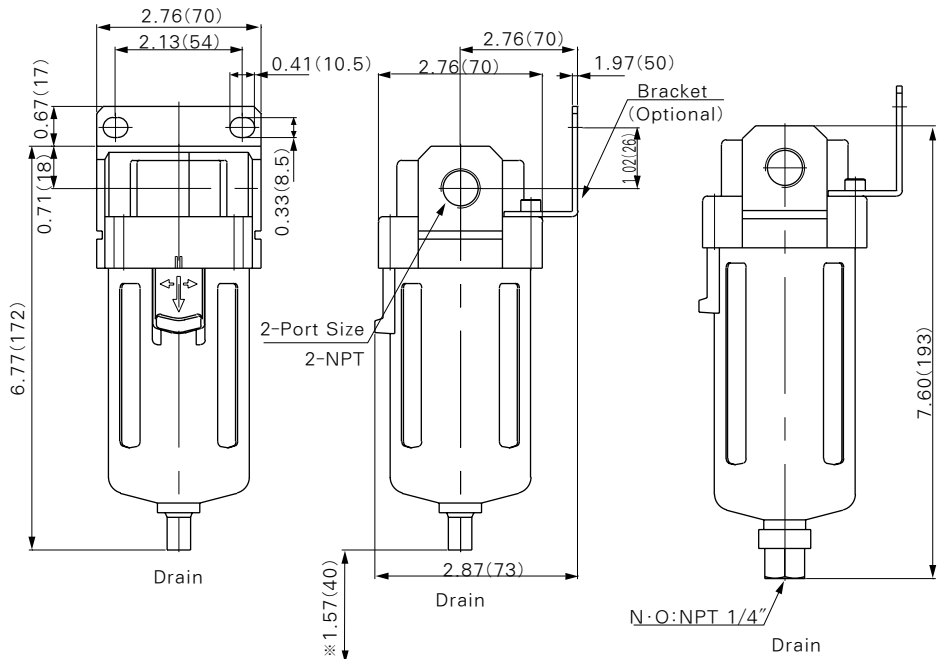
PF 3000



Dimensions

inch(mm)

PF 4000



※ Maintenance Space

With Auto Drain(Float type)

PC

PF

PFH
PFU

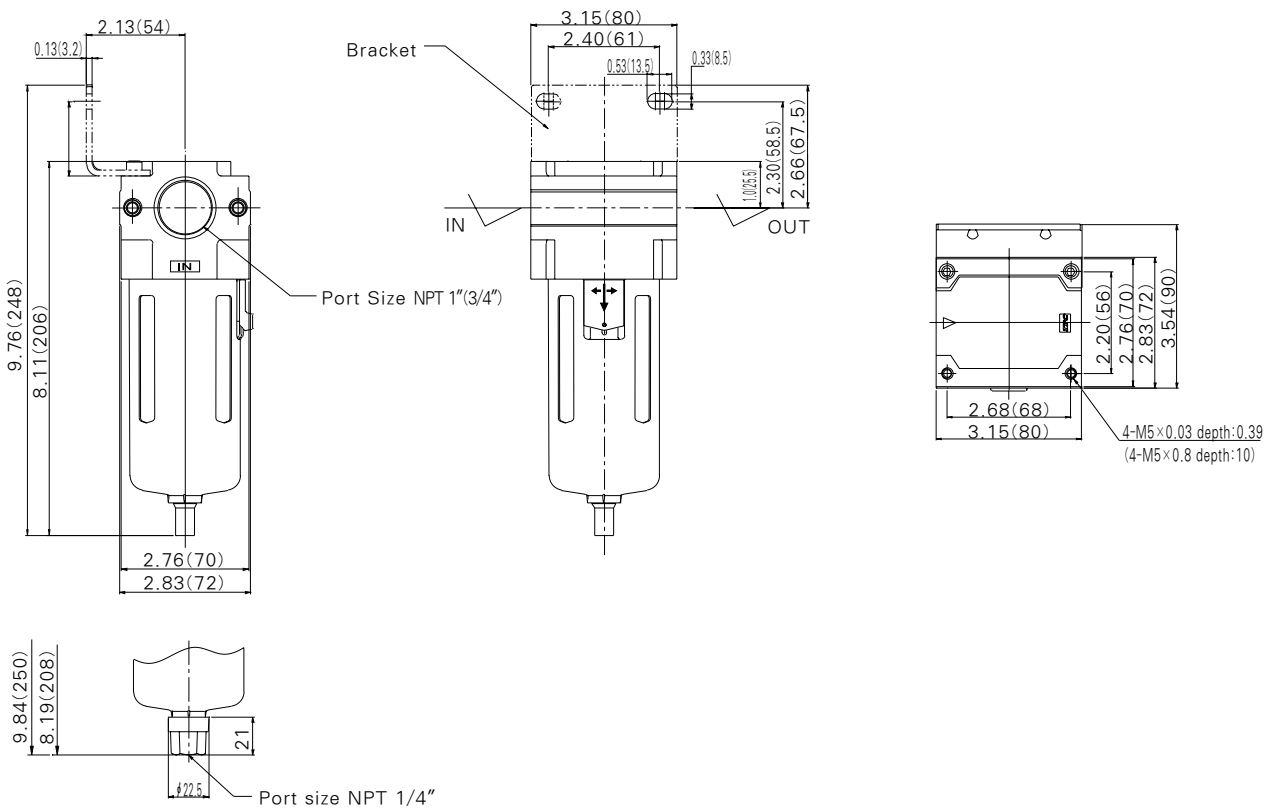
PR

PL

PW

SH

PF5000



Auto Drain Type