

# PFH/PFU Series

Coalescing Filter 1/8", 1/4", 3/8", 1/2", 3/4" and 1"

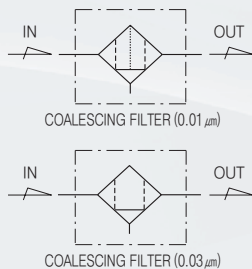


## Standard Specifications

Description	PFH/PFU2	PFH/PFU3	PFH/PFU4	PFH/PFU5	
Max. operating pressure (MPa)	1.0(140psi)				
Proof pressure (MPa)	1.5(200psi)				
Ambient and fluid temperature (°C)	-5 ~ 60(23~140° F) (Non-freezing)				
Flow rate ※ (Nℓ/min)	1/8" 200 1/4" (7scfm)	1/4" 450 3/8" (16scfm)	3/8" 1100 1/2" (39scfm)	3/4" 1100 1" (39scfm)	
Bowl material	Polycarbonate				
Bowl guard material	Nylon				
Filtration (μm)	PFH : 0.3, PFU : 0.01				
Drain capacity (cm <sup>3</sup> )	Manual	15(0.51oz)	38(1.28oz)	56(1.89oz)	156(5.27oz)
	Auto	21(0.71oz)	30(1.01oz)	68(2.3oz)	174(5.88oz)
Weight(kg)	0.14(0.31oz)	0.24(0.53oz)	0.5(1.1oz)	1.1(2.43oz)	

※ Test conditions : Supply pressure 0.6MPa(90psi), Pressure drop 0.07MPa(10psi)

### Symbol



## How to order

**PFH 4 — \* 04 B D — \***

Coalescing Filter

PFH	Filtration 0.3μm
PFU	Filtration 0.01μm

Series

2	PC2 Series	4	PC4 Series
3	PC3 Series	5	PC5 Series

Thread

Blank	Rc(PT)
N	NPT
G	G(PF)

Port size

01	1/8	PC2 Series
02	1/4	PC2,3 Series
03	3/8	PC3,4 Series
04	1/2	PC4 Series
06	3/4	PC5 Series
10	1	PC5 Series

Accessories

Symbol	Description	Applicable series
L	Life Indicator	PC4~5 Series
R	Flow direction : Right→Left	PC2~5 Series
XC16	Copper-free	PC2~5 Series

\*When specifying more than one symbol, indicate them alphabetically Ex) LRXC16

Drain Options

Symbol	Description	Applicable series
Blank	Manual Push Drain	PC2~PC5
D	Auto Drain (N.O Type)	PC2~PC5
D2	Auto Drain (piping exhaust)	PC2
D5	Manual Drain (piping exhaust)	PC2

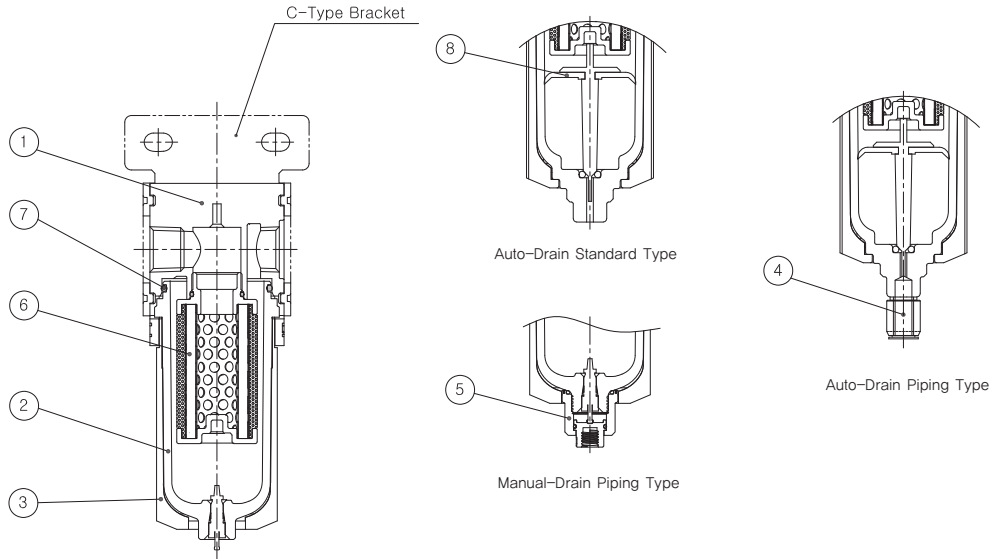
Note1) Min.operating pressure is 0.15MPa(20psi) for Auto Drain (N.O Type)

Bracket Option

Blank	None
B	Bracket

Note2) Separately packed, Not assembled.

### PFH2 Construction



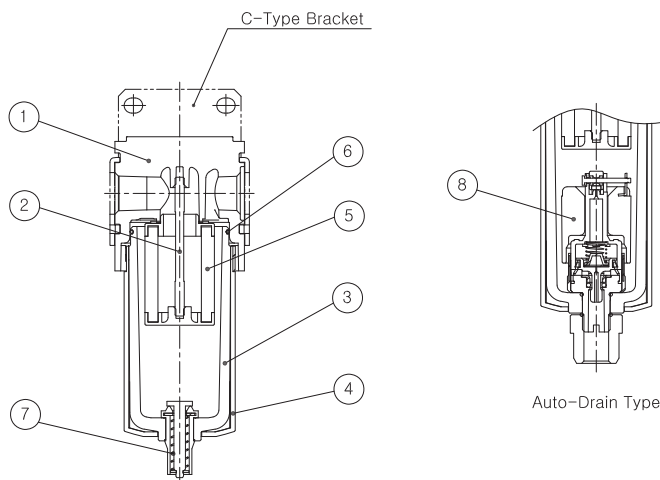
Main Parts / Parts List

No.	Description	Material	Remarks
①	Body	Aluminum	
②	Bowl	Polycarbonate	
③	Bowl guard	Nylon	
④	Fitting	-	
⑤	Manual drain piping ass'y	-	

Replacement Parts / Parts List

No.	Description	Material	Part No.
⑥	Coalescing filter element ass'y	-	PFH2-24A030-01
⑦	Bowl o-ring	NBR	DX2R-53-3000
⑧	Auto drain ass'y	-	PF2-26A002-01

### PFH3 Construction



Main Parts / Parts List

No.	Description	Material	Remarks
①	Body	Aluminum	
②	Baffle shaft	Rolled steel	
③	Bowl	Polycarbonate	
④	Bowl guard	Nylon	

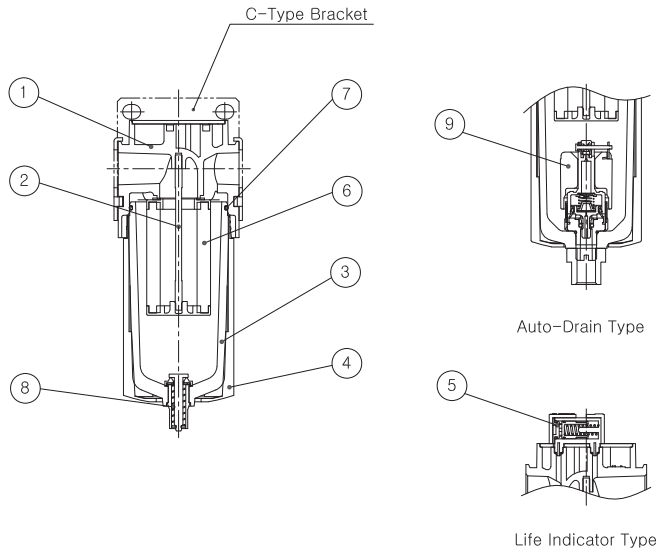
Replacement Parts / Parts List

No.	Description	Material	Part No.
⑤	Coalescing filter element ass'y	-	PFH3000-005A-6081
⑥	Bowl o-ring	NBR	PL3-04-001-01
⑦	Drain ass'y	-	TAF3000-10A-6004
⑧	Auto drain ass'y	-	TAF3000-04A-6008

# PFH2~PFH5 Series

Coalescing Filter 1/8", 1/4", 3/8", 1/2", 3/4" and 1"

## PFH4 Construction



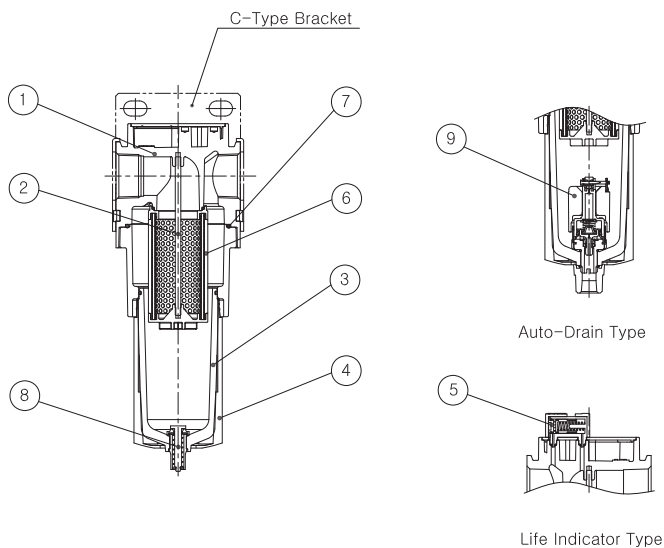
### Main Parts / Parts List

No.	Description	Material	Remarks
①	Body	Aluminum	
②	Baffle shaft	Rolled steel	
③	Bowl	Polycarbonate	
④	Bowl guard	Nylon	
⑤	Life indicator	-	Option

### Replacement Parts / Parts List

No.	Description	Material	Part No.
⑥	Coalescing filter element ass'y	-	PFH4000-005A-6083
⑦	Bowl o-ring	NBR	TAF4000-08-6000
⑧	Drain ass'y	-	TAF3000-10A-6004
⑨	Auto drain ass'y	-	TAF3000-04A-6008

## PFH5 Construction



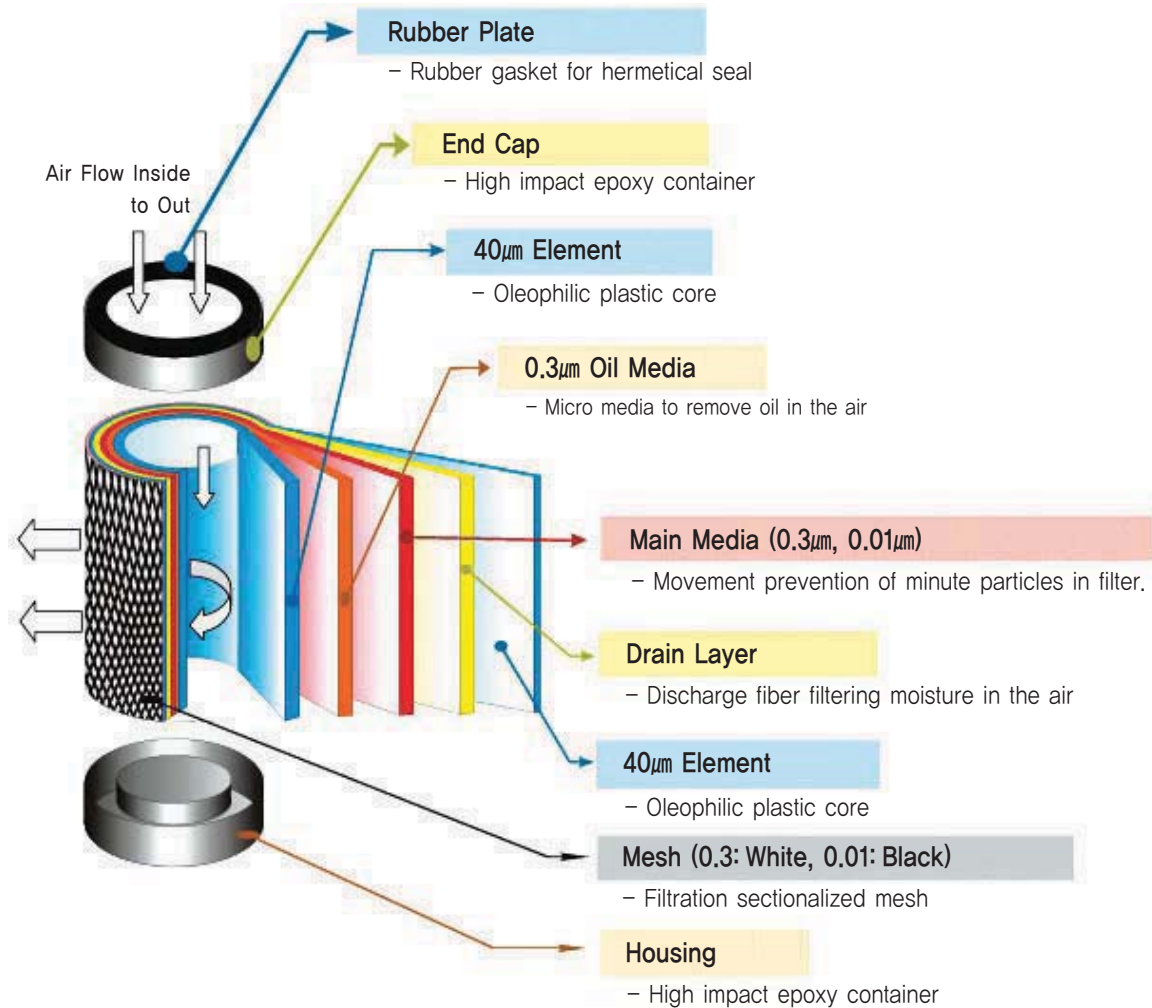
### Main Parts / Parts List

No.	Description	Material	Remarks
①	Body	Aluminum	
②	Baffle shaft	Rolled steel	
③	Bowl	Polycarbonate	
④	Bowl guard	Nylon	
⑤	Life indicator	-	Option

### Replacement Parts / Parts List

No.	Description	Material	Part No.
⑥	Coalescing filter element ass'y	-	PFH5-24A030-01
⑦	Bowl o-ring	NBR	TAF4000-08-6000
⑧	Drain ass'y	-	TAF3000-10A-6004
⑨	Auto drain ass'y	-	TAF3000-04A-6008

## ■ Construction of Coalescing Filter Element



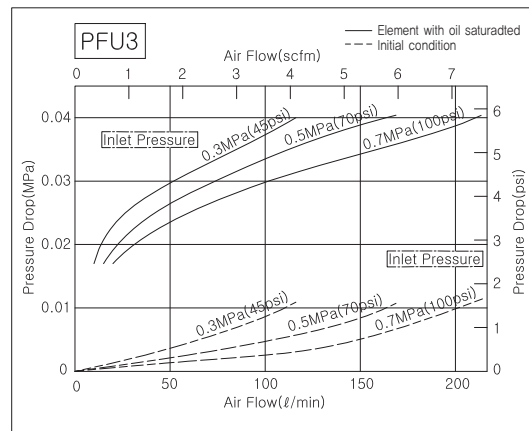
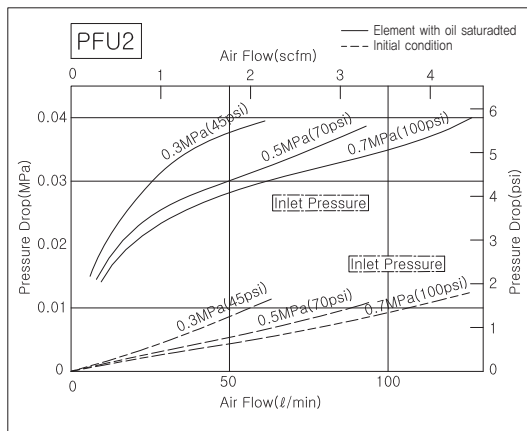
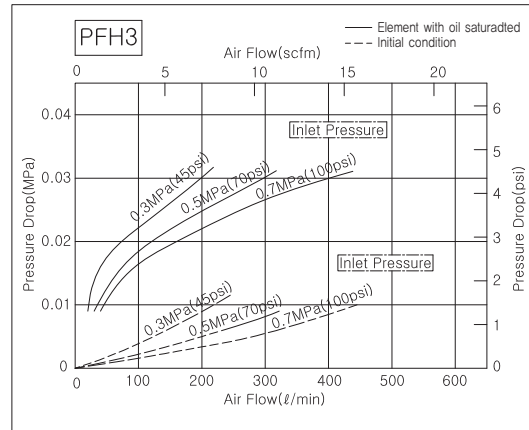
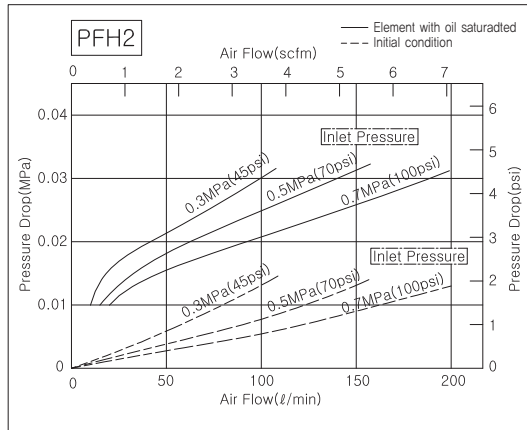
### Media Characteristics

NO	Grade	D.O.P. efficiency 0.3 to 0.6µm	Oil content	Color
1	0.01 µm	99.99%	0.01ppm	White
2	0.3 µm	99.97%	0.05ppm	Black

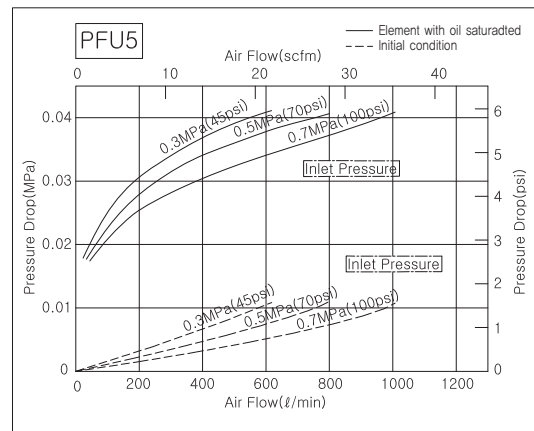
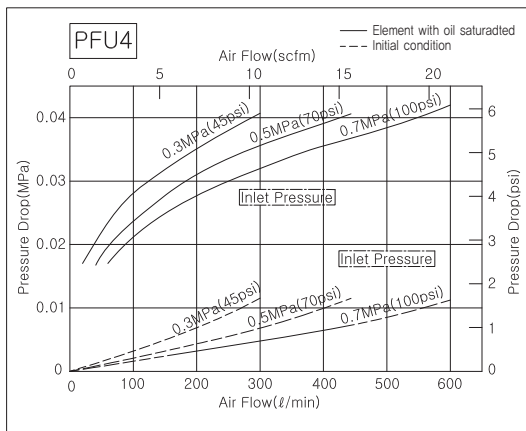
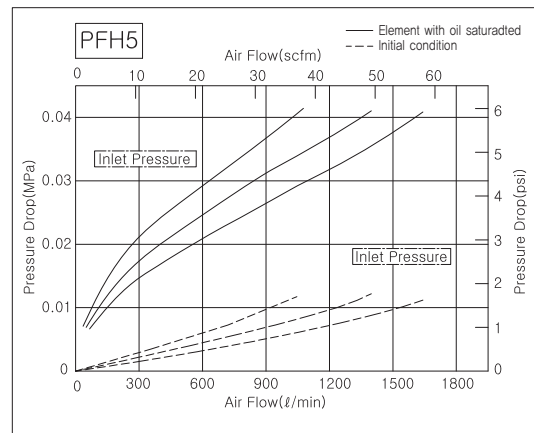
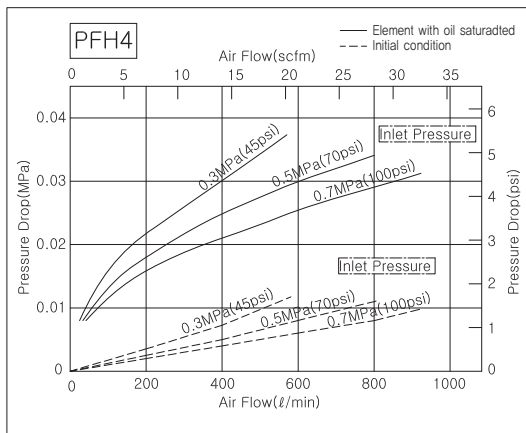
# PFH2~PFH5 Series

Coalescing Filter 1/8", 1/4", 3/8", 1/2", 3/4" and 1"

## Flow Characteristics



## Flow Characteristics



Calescing Filter