

KAFL251~551 series



KAFL251-02

KAFL351-03

Feature

- Used in main line to remove foreign particles such as oil, water and dust
- Improve dryer performance
- Elongate life span of filter element
- Prevent machine from troubles

Symbol	
Manual drain	
Auto drain	

How to order

KAFL251 - **N** **02** **B** **D** **M** - **S**

① ② ③ ④ ⑤ ⑥ ⑦

① Model

KAFL251	Rc(PT) 1/4", 3/8"
KAFL351	Rc(PT) 3/8", 1/2"
KAFL551	Rc(PT) 3/4", 1"

② Thread type

Nil	Rc(PT) (Standard)
G	G
N	NPT

③ Port size

		KAFL		
		251	351	551
02	Rc(PT) 1/4"	●		
03	Rc(PT) 3/8"	●	●	
04	Rc(PT) 1/2"		●	
06	Rc(PT) 3/4"			●
10	Rc(PT) 1"			●

④ Bracket

Nil	None (Standard)
B	"L" bracket

⑤ Drain

Nil	Manual drain
D	Float type auto drain

⑥ Bowl

Nil	Polycarbonate bowl + Nylon case
M	Metal bowl (long sight glass)
MS	Metal bowl (round sight glass)*

* Non-applicable for KAFL251

⑦ Option

Nil	None
S	Differential pressure indicator

Specifications

Fluid	Compressed air		
Max. operating pressure	1.0MPa		
Min. operating pressure	0.15MPa		
Proof pressure	1.5MPa		
Ambient & fluid temperature	5 ~ 60°C		
Filtration grade	1 μ m(95% Filtration efficiency)		
Filter material	Glass fiber		
Bowl Material	Polycarbonated / Metal		
Element life span	Pressure drop reach 0.1Mpa		
Weight(g)	KAFL251	KAFL351	KAFL551
	600	900	1,800

⚠ Safety precaution

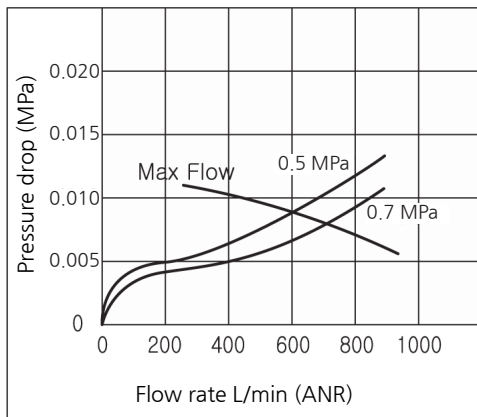
- Avoid using polycarbonated case in the environment with or exposed to chemical such as thinner, carbon tetrachloride, chloroform, acetic ester, cyclohexane, trichlorethylene, sulfuric acid, lactic and etc.
- For auto drain, the tube connected to the port should have diameter larger than $\varnothing 4$ and max length 1m. Please avoid upward drainage connection.
- When auto drain is not functioning, manual draining can be done by rotating the manual handle counter-clockwise.
- For manual drain, drainage should be done before the liquid surpass the sight glass
- Min. operation pressure for auto drain is 0.15MPa

Flow rate

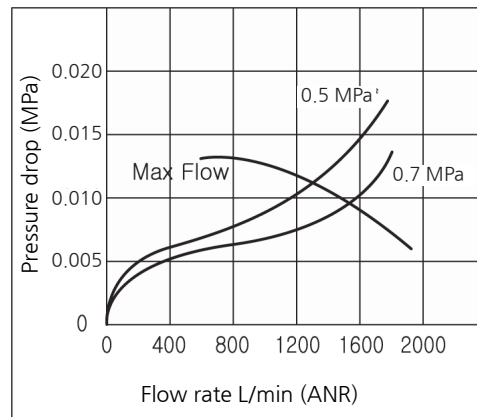
Element oil saturation

Caution: If the air flow exceeds the maximum flow rate, the drain separator cannot operate normally.

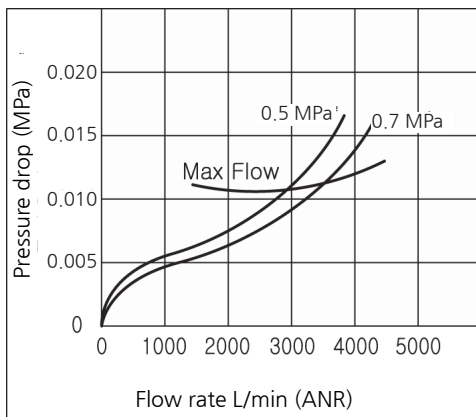
KAFL 251



KAFL 351

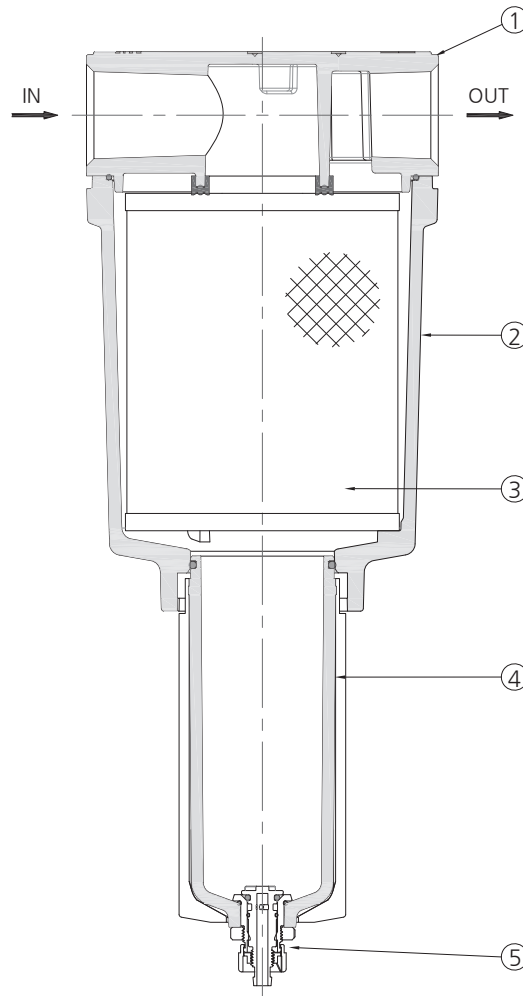


KAFL 551



Structure

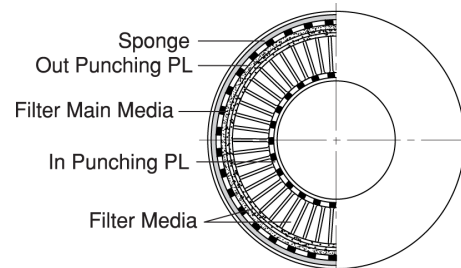
KAFL 251 ~ 551



Parts

No	Parts	Materials
1	Body	ALDC
2	Bowl Housing	ALDC
3	Filter Element	Glass fiber
4	Bowl	PC / Nylon / ALDC
5	Manual Drain ass'y	Nylon

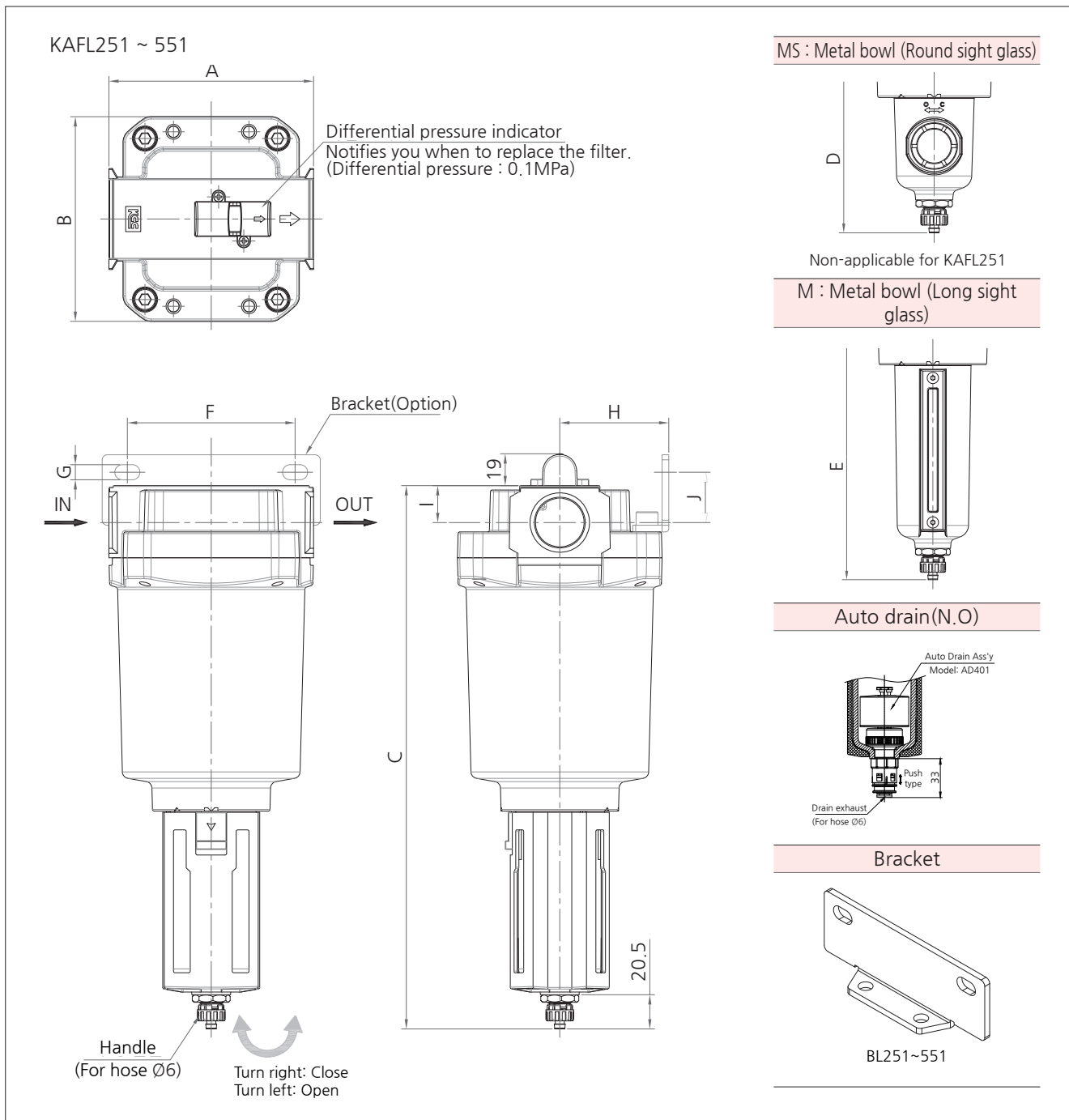
Filter Element



Replacement parts

Parts	Materials	Parts code	Size (Bore×Height) (mm)
Filter Element	Glass fiber	KAFL-EL251	58×52.5
		KAFL-EL351	70×77
		KAFL-EL551	95×117

Dimensions



Model	Port size Rc(PT)	A	B	Height (Excluding auto drain)			F	G	H	I	J
				C	D(MS)	E(M)					
KAFL 251	1/4", 3/8"	76	76	207	-	245	66	6	40	13	20
KAFL 351	3/8", 1/2"	90	90	266	220	276	80	7	49	16	25
KAFL 551	3/4", 1"	122	122	324	278	334	100	9	65	22	30