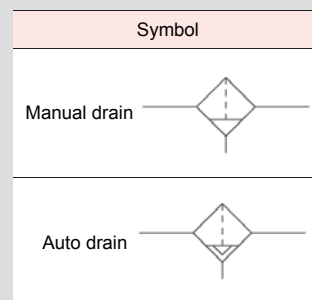


KAFL250~850 series



KAFL850-20



How to Order

KAFL 850 - 20 - -

① ② ③ ④ ⑤ ⑥ ⑦

① Series

KAFL	Main Line Filter
------	------------------

② Thread type

Nil	Rc(PT)
G	G

③ Body size

250	1/4
350	1/2
450	3/4
550	1
650	1 1/2
850	2

④ Port size

		Body size					
		250	350	450	550	650	850
02	Rc(PT)1/4	•					
03	Rc(PT)3/8	•	•				
04	Rc(PT)1/2		•				
06	Rc(PT)3/4			•	•		
10	Rc(PT)1				•		
14	Rc(PT)1 1/2					•	•
20	Rc(PT)2						•

⑥ Bowl

Nil	PC bowl
MeP	Metal bowl with pipe type sight glass
MeF	Metal bowl with flat type sight glass

⑦ Option

Nil	None
S	Differential pressure indicator

⑤ Accessory

Nil	Without bracket (Manual drain)
B	Bracket
D	Auto drain, One touch fitting(Ø6mm)
Dn	Auto drain, Nipple Rc(PT)1/8

□ Auto drain min. operating pressure: 1.5kgf/cm²

Specifications

Fluid	Compressed air
Max. operating pressure	10.0kgf/cm ² (1.0MPa)
Min. operating pressure	0.5kgf/cm ² (0.05MPa)
Proof pressure	15.0kgf/cm ² (1.5MPa)
Ambient & fluid temperature	5 ~ 60℃
Filtration	3 _{μm} (99.9% possible filtration particle)
Filter element	Glass fiber
Element service life	When pressure drop reaches at 1.0kgf/cm ² (0.1MPa)

Features

- KAFL series installed in the main line improve the function of later drier, prolong the expected life span of precision filter and prevent the troubles of machinery by eliminating the impurities such as moisture, oil, other foreign substances from the compressed air.

⚠ Precautions

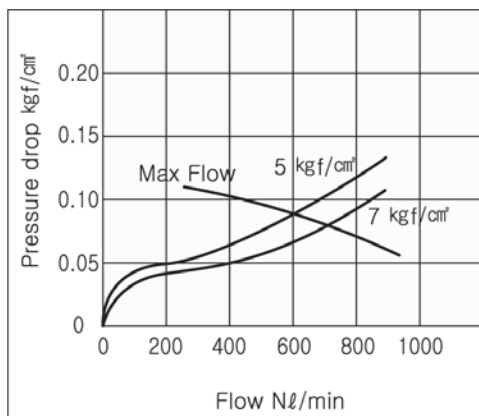
1. Filter element should be changed after 2 years of using or when pressure drops to 1.0kgf/cm².
2. When auto drain is used:
Drain piping should be both 4mm or greater in diameter and less than 1m in length. Also should avoid setting drain piping upwards.
3. When auto drain is out of order, it is possible to drain manually by operating one touch fitting vertically.
4. With a drain cock attached, drain can be done when the head of liquid is shown at the glass indication tube.

Flow Characteristics

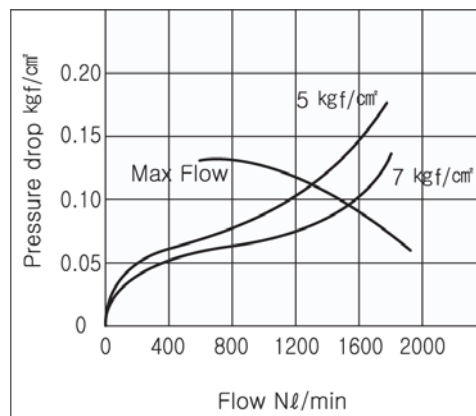
Oil saturated state of element

Note: If compressed air is over mas. flow, main line filter cannot be operated well or element may be damaged.

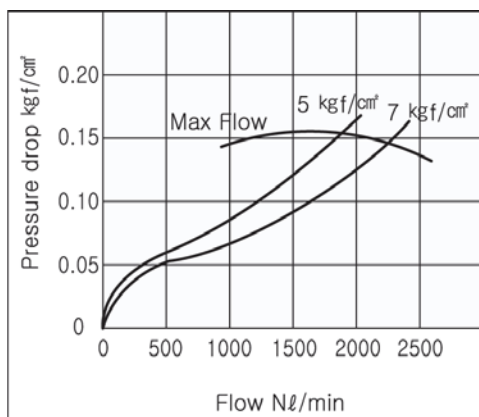
KAFL 250



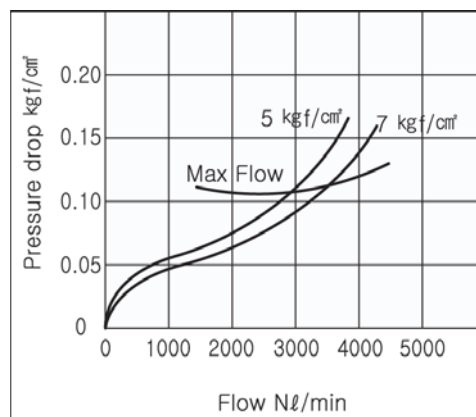
KAFL 350



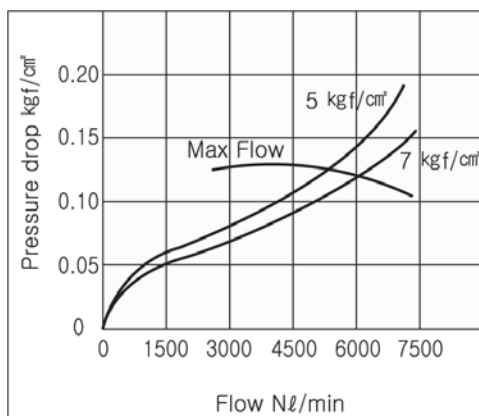
KAFL 450



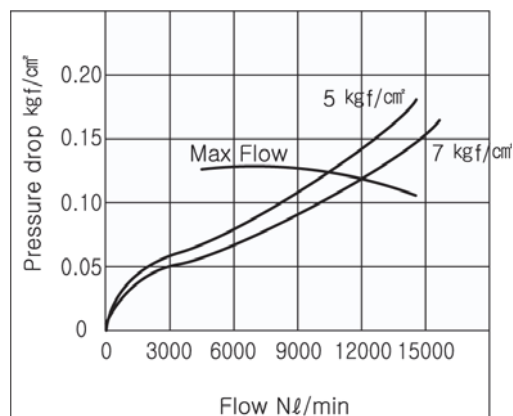
KAFL 550



KAFL 650



KAFL 850



Air Clean Unit

KAMG

KAFL

KAM

KAMD

KAMH

KAD402

BRACKET

KAU

KAW

KAF

KAFM

KAFD

KAR

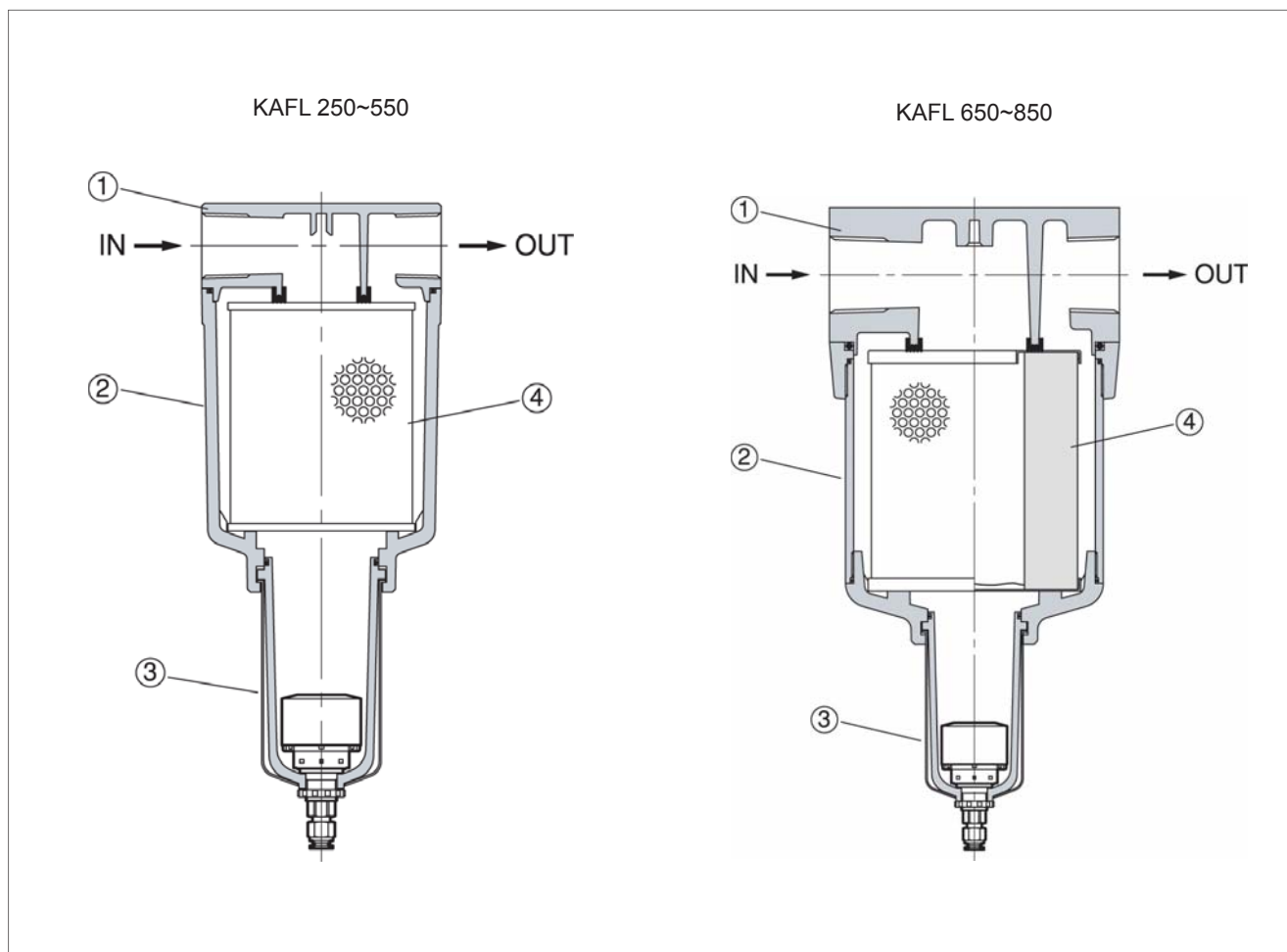
KAL

AD

ACC

KWS

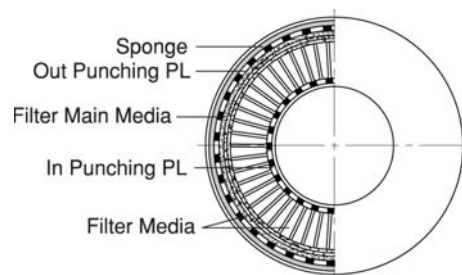
Structure



Parts

Part no.	Parts	With fiber glass
1	Body	AL D/C
2	Housing	AL D/C
		Pipe
3	Bowl	PC + Guard
		AL D/C (MeF type)
		AL D/C (MeP type)

Sectional drawing (KAFL Filter)

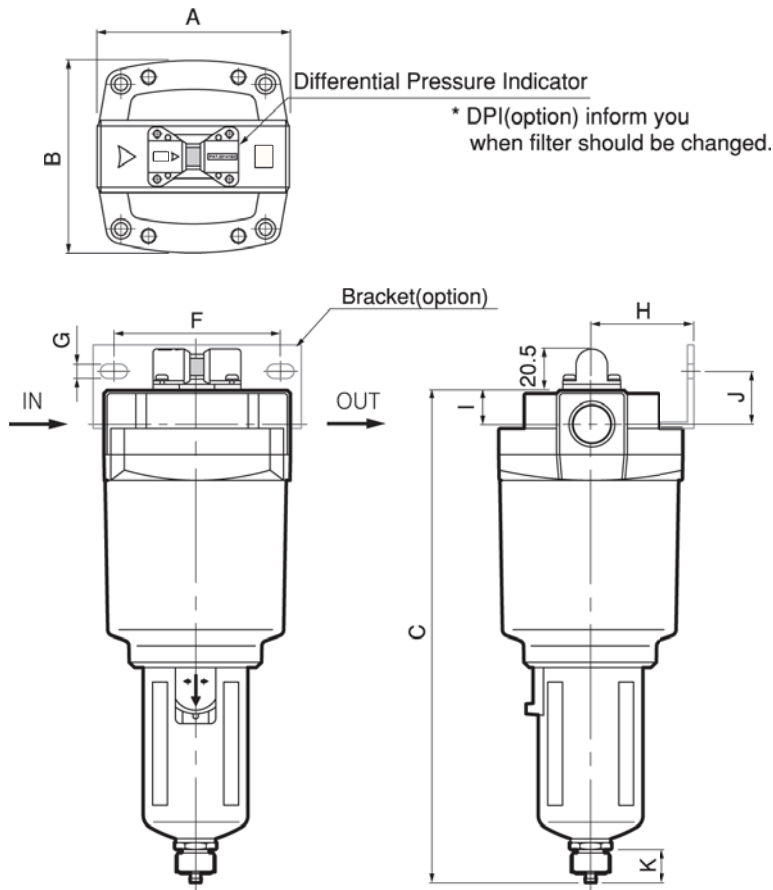


Replacement Parts

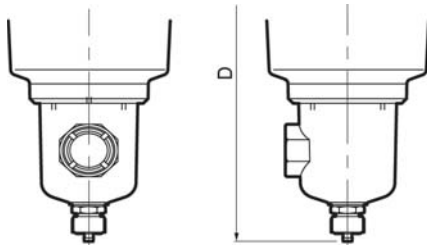
Part no.	Parts	With fiber glass	Part no.	Size (Ø×Height) (mm)
4	Element	Glass fiber	KAFL-EL250	58×52.5
			KAFL-EL350	70×77
			KAFL-EL450	82×87
			KAFL-EL550	95×117
			KAFL-EL650	130×150
			KAFL-EL850	130×260

Dimensions

KAFL 250~850

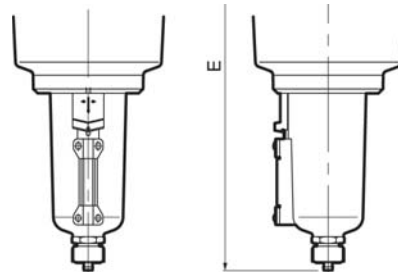


MeF: Metal bowl with flat type sight glass



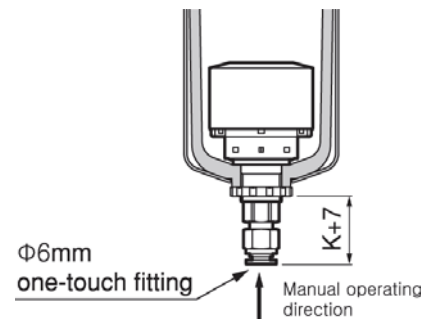
MeF type bowl not available for all 250 series.

MeP: Metal bowl with pipe type sight glass

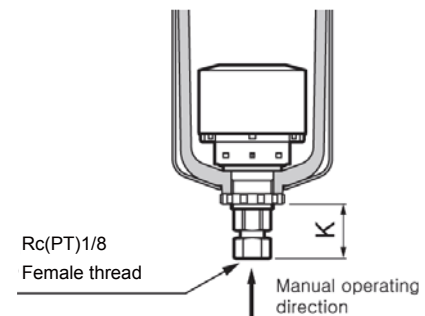


Accessory(Optional)

D : Auto drain (N.O)



Dn : Auto drain (N.O)



Air Clean Unit

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KAR

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AD

ACC

KWS

Model	Port size Rc(PT)	A	B	Height(without auto drain)			F	G	H	I	J
				C	D(MeF)	E(MeP)					
KAFL 250	1/4	76	76	202	-	225	66	6	40	13	20
KAFL 350	3/8, 1/2	90	90	250	217	252	80	7	50	16	22
KAFL 450	3/4	106	106	283	250	285	90	9	55	19	25
KAFL 550	3/4, 1	122	122	320	287	322	100	9	65	22	30
KAFL 650	1 1/2	180	180	396	363	398	150	13	100	42	30
KAFL 850	1 1/2, 2	180	180	507	474	509	150	13	100	42	30