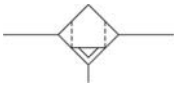
KAMD250~850 series

KAMD850-20

Symbol	
Manual Drain	
Auto Drain	

How to Order

KAMD ① [ ] ② [850] ③ - [20] ④ [ ] ⑤ - [ ] ⑥ - [ ] ⑦

① Series

KAMD	Micro Mist Separator

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						●

⑤ Accessory

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

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

Specifications

Fluid	Compressed air
Max. operating pressure	10.0kgf/cm² (1.0MPa)
Min. operating pressure	1.5kgf/cm² (0.15MPa)
Proof pressure	15.0kgf/cm² (1.5MPa)
Ambient & fluid temperature	5 ~ 60℃
Filtration	0.01㎛ (99.9% possible filtration particle)
Filter With fiber glass	Glass fiber
Service life of element	When pressure drop reaches at 1.0kgf/cm² (0.1MPa)

Features

● KAMD series separate and remove the oil particles or carbon and dust particles of size 0.01㎛ or greater in the air sol state. Accordingly KAMD series are ideal for filtering the compressed air necessary for precision measuring instruments and clean room.

⚠ Precautions

1. Filter element should be changed after 2 years of using or when pressure drops to 0.1MPa.
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

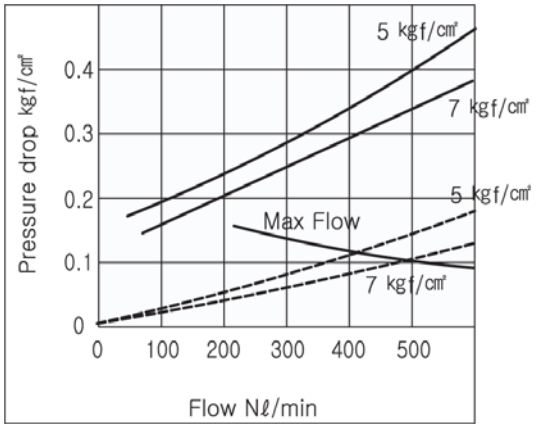
Select the model taking the max. flow capacity into consideration.

Note: If compressed air is above max. flow, micro mist separator cannot operate well.

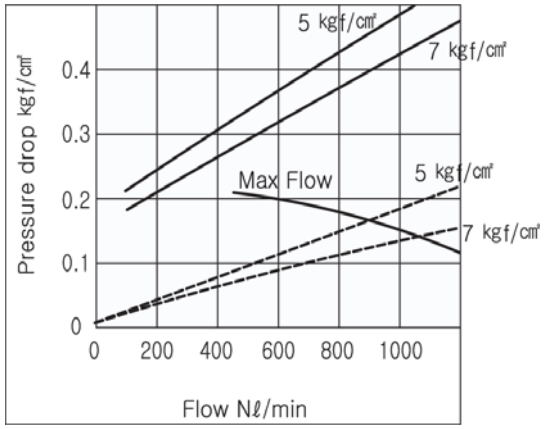
——— Element oil saturation

- - - - Initial condition

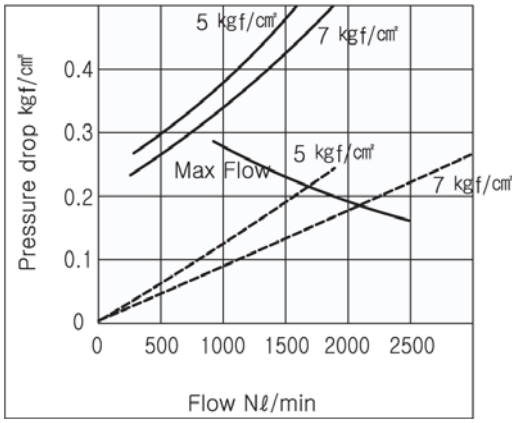
KAMD 250



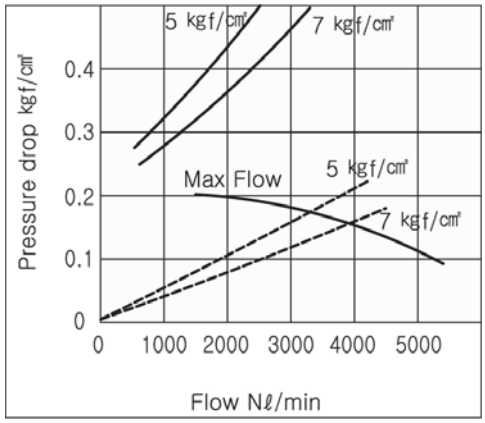
KAMD 350



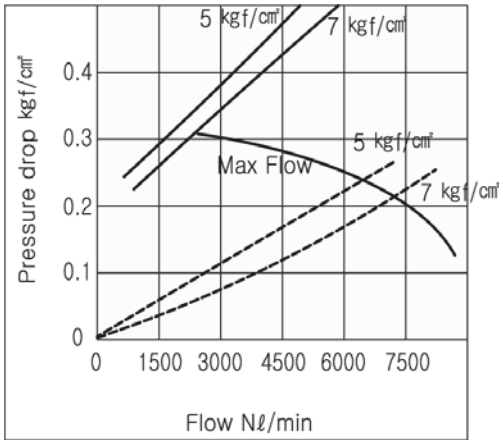
KAMD 450



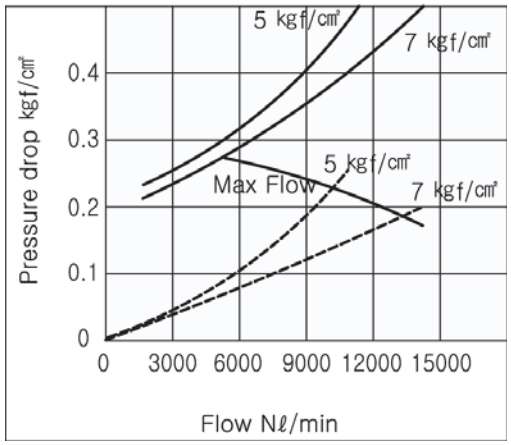
KAMD 550



KAMD 650

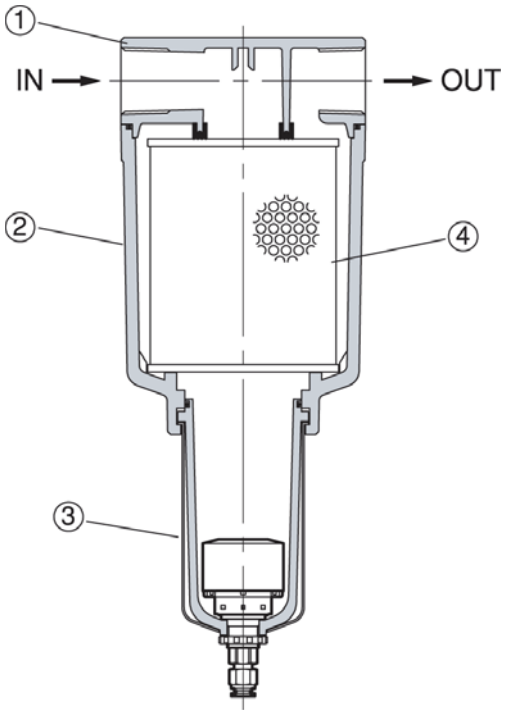


KAMD 850

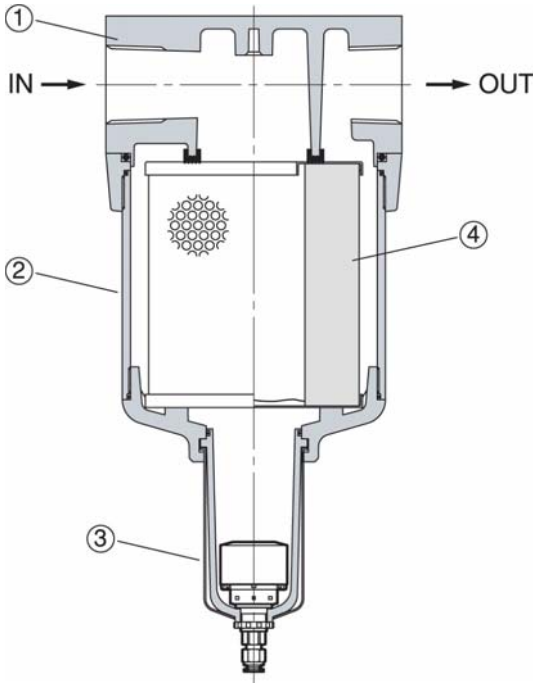


Structure

KAMD 250~550



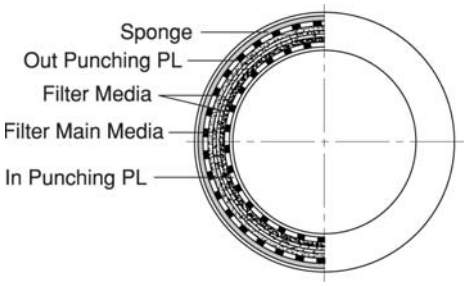
KAMD 650~850



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(KAMD Filter)

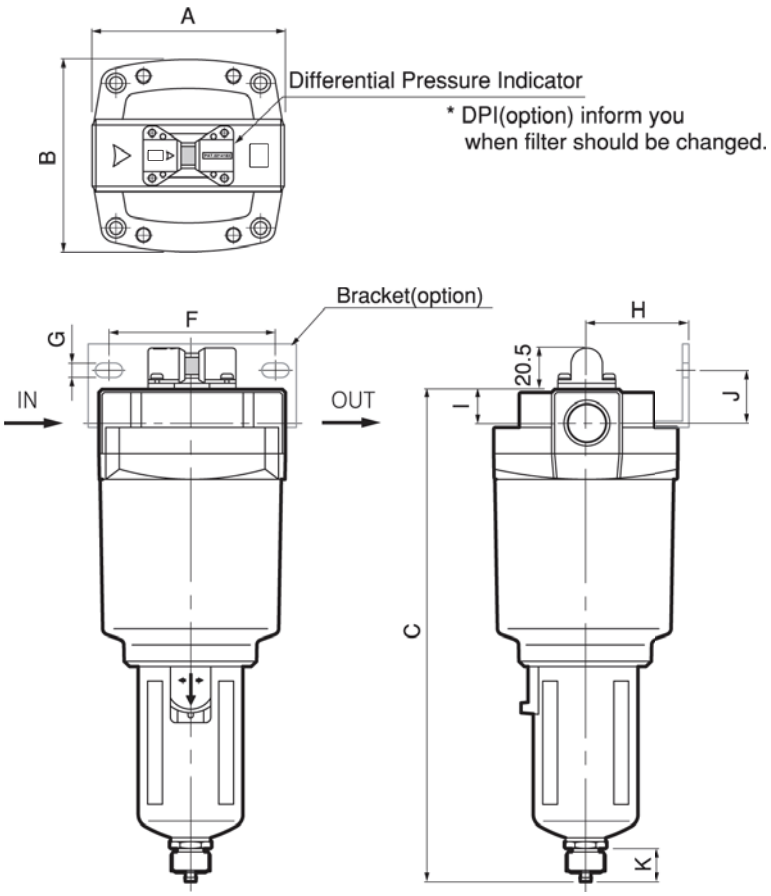


Replacement Parts

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

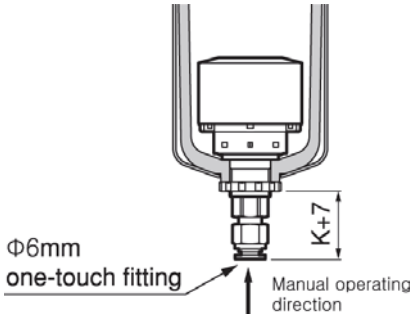
Dimensions

KAMD 250~850

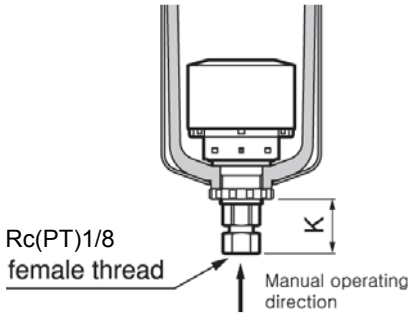


Accessory(Option)

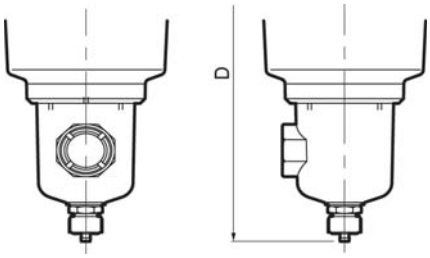
D : With auto drain (N.O)



Dn : With auto drain (N.O)

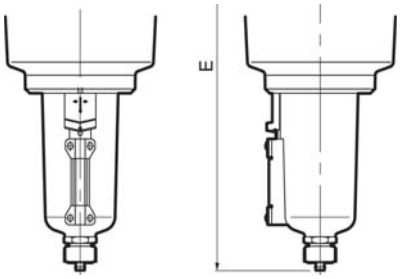


MeF: Metal bowl with flat type sight glass



MeF type bowl not available for all 250 series.

MeP: Metal bowl with pipe type sight glass



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