Micro Mist Separator

SAMD250~850 Series

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

■ How to order

SAMD 350 - 04 BD - MeP - S

① Micor Mist Separator

② **Body Size**
- 250 - 1/4
- 350 - 1/2
- 450 - 3/4
- 550 - 1
- 650 - 1 1/2
- 850 - 2

③ **Port Size**

	Body size					
	250	350	450	550	650	850
02 (Rc1/4)	●					
03 (Rc3/8)	●	●				
04 (Rc1/2)		●				
06 (Rc3/4)			●	●		
10 (Rc1)				●		
14 (Rc 1 1/2)					●	●
20 (Rc2)					●	●

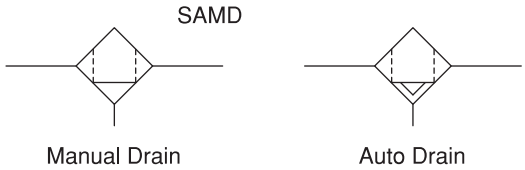
④ **Accessory(Optional)**
- Nil - None bracket / Manual Drain
- B - Bracket
- D - Auto Drain

Symbol	Drain connect	Material
D	One-touch fitting(Φ6mm)	Acetal
Dn	Nipple(PT 1/8)	Brass

⑤ **Bowl**
- Nil - PC Bowl
- MeP - Metal Bowl with pipe type sight glass
- MeF - Metal Bowl with flat type sight glass

⑥ **Option**
- Nil - None
- S - Differential Pressure Indicator

■ Symbol



■ Specification

Fluid	Compressed air
Max. operating pressure	1.0MPa [10.2 kgf/㎠]
Min. operating pressure	0.15MPa [1.5 kgf/㎠]
Max. supply pressure	1.5MPa [15.3 kgf/㎠]
Ambient and media temperature	5 ~ 60℃
Filtration	0.01μm(95% possible filtration particle)
Filter material	Glass fiber
Life of element	When pressure drop reaches at 0.1MPa[1 kgf/㎠]

■ Precautions

① Filter element should be changed after 2 years of using or when pressure drops to 1.0kgf/㎠.

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.

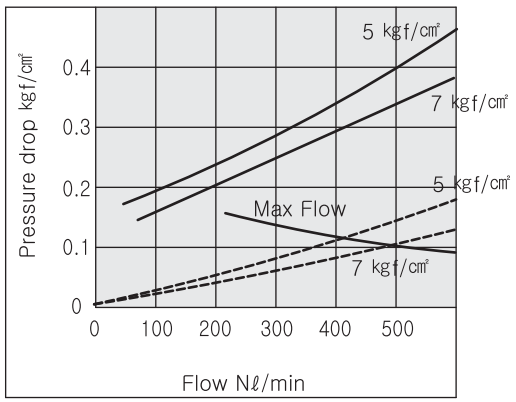
FLOW CHARACTERISTICS

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

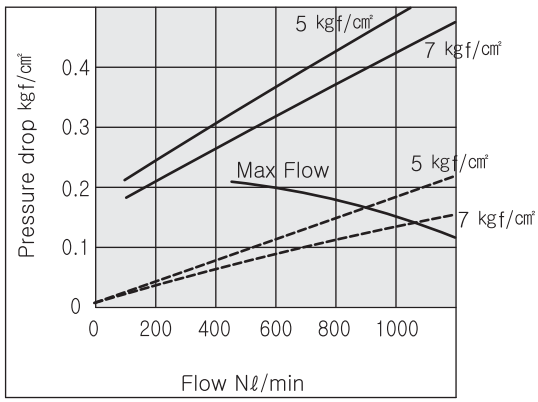
—— Element oil saturation ----- Initial condition

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

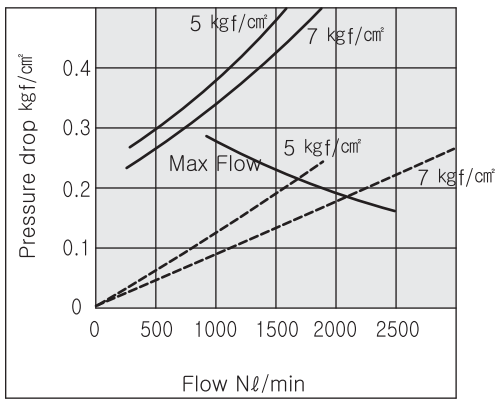
SAMD 250



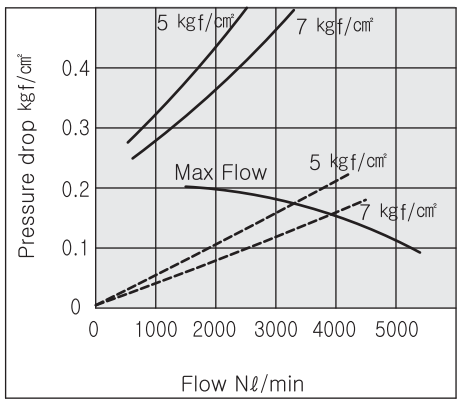
SAMD 350



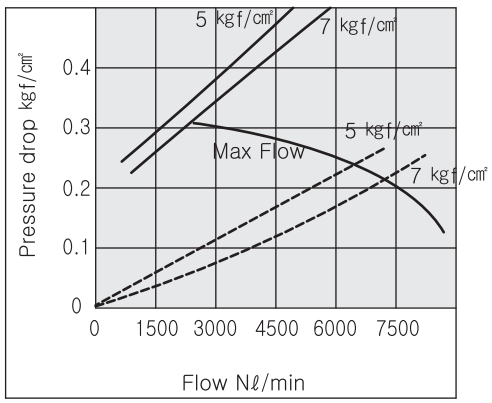
SAMD 450



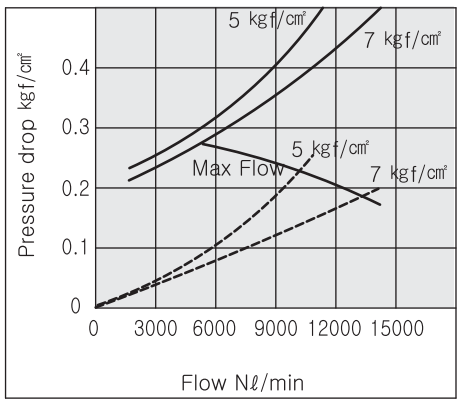
SAMD 550



SAMD 650

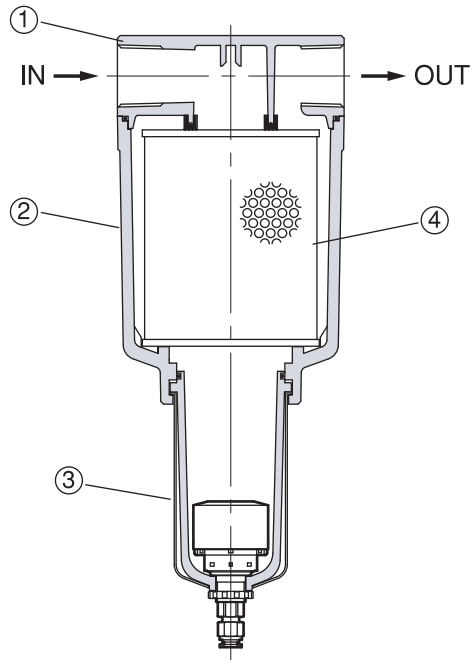


SAMD 850

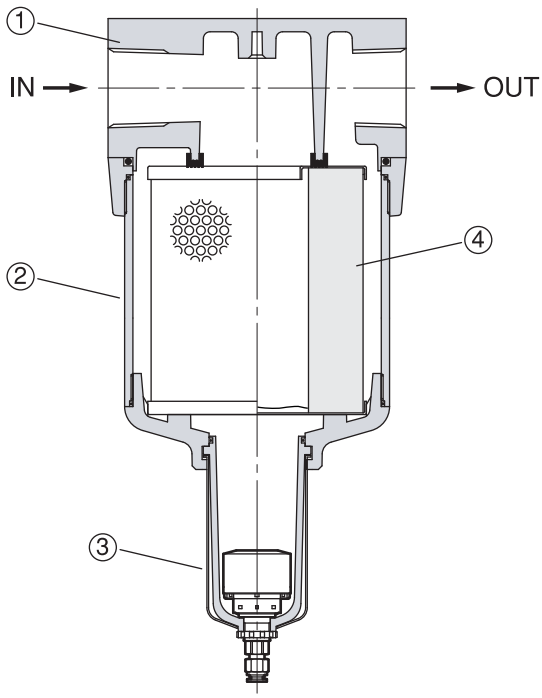


STRUCTURE / PARTS

SAMD 250 ~ 550



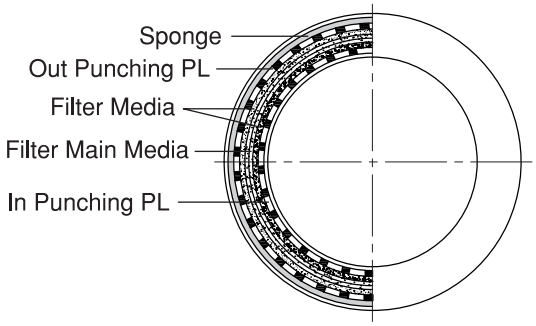
SAMD 650 ~ 850



▪ Component Parts

No.	PARTS	MATERIAL
①	Body	Aluminum die cast
②	Housing	Aluminum die cast
		Pipe
③	Bowl	PC + Guard
		ALDC (MeF type)
		ALDC(MeP type)

▪ Sectional drawing (SAMD Filter)

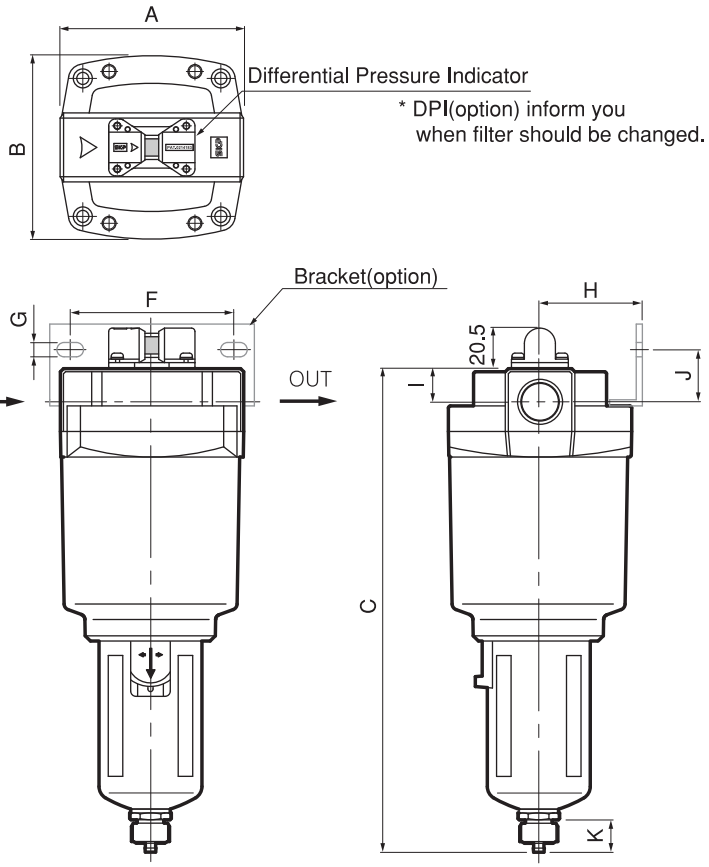


▪ Replacement Parts

No.	PARTS	MATERIAL	Part No.	Size (Φ x height) (mm)
④	Element	with Fiber Glass	**AMD-EL250**	58 x 52.5
			AMD-EL350	70 x 77
			AMD-EL450	82 x 87
			AMD-EL550	95 x 117
			AMD-EL650	130 x 150
			AMD-EL850	130 x 260

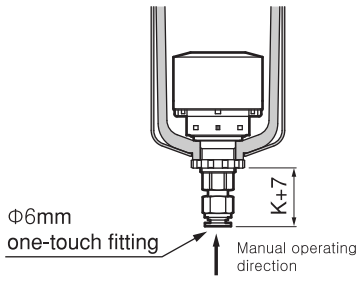
DIMENSIONS (mm)

SAMD 250~850

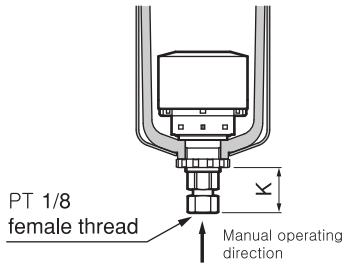


Accessary(option)

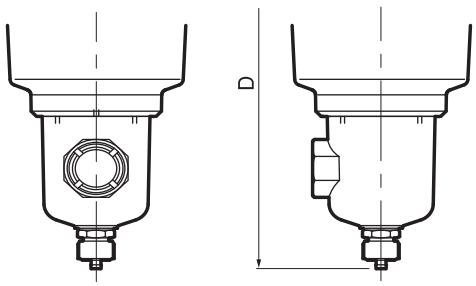
D : With auto drain (N.O.)



Dn : With auto drain (N.O.)

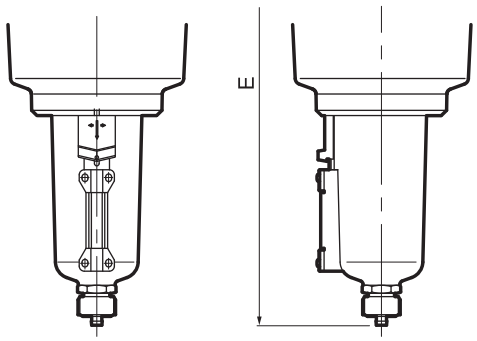


• **MeF** : Metal Bowl with flat type sight glass



* MeF type bowl not available for all 250 series.

• **MeP**: Metal Bowl with pipe type sight glass



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