

Micro Mist Separator (SAMD)

SAMD150~850 Series



SAMD650



SAMD350



SAMD150

150-550 series can be combined with other modular equipment.

- SAMD series separate and remove the oil particles or carbon and dust particles of size 0.01μm 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 - 03 BD - MeP - S

① Micro Mist Separator

② Body Size

150 - 1/8
250 - 1/4
350 - 1/2
450 - 3/4
550 - 1
650 - 1 1/2
850 - 2

③ Thread type

Nil - Rc(PT)
N - NPT
G - G(PF)

④ Port Size

Symbol	Size	Body size						
		150	250	350	450	550	650	850
01	1/8	●						
02	1/4	●	●					
03	3/8		●	●				
04	1/2			●				
06	3/4				●	●		
10	1					●		
12	1 1/4						●	
14	1 1/2						●	●
20	2							●

⑤ Accessory(Optional)

Nil - None Bracket / Manual Drain
B - Bracket
D - Auto Drain

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

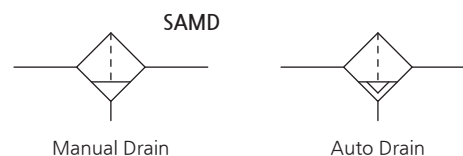
⑥ Bowl

Nil - PC bowl
MeP - Metal bowl with pipe type sight glass
MeF - Metal bowl with flat type sight glass
Note) 150 and 250 are the integral cover and bowl(MeF type).

⑦ Option

Nil - None
S - Differential Pressure Indicator

Symbol



Specification

Fluid	Compressed Air
Max. operating pressure	10bar (1.0MPa)
Min. operating pressure	1.5bar (0.15MPa)
Max. supply pressure	15bar (1.5MPa)
Ambient and Media temp.	5~60℃
Filtration	0.01μm (Filtration efficiency: 99%)
Life of element	When pressure drop reached at 1bar

Precautions

- Filter element should be changed after 2years of use or when pressure drop reached at 1bar(0.1MPa).
- When auto drain is used, drain piping should be both 4mm or greater in diameter and less than 1m in length. Avoid installing drain piping upwards.
- When auto drain is used it is recommended to use at least 1.5bar pressure.
- When auto drain is inoperable, drain manually by pushing the one-touch fitting upward.
- Before disassembling the equipment on the compressed air side to inspect the auto drain or to replace the filter element, confirm that the pressure is set to zero.
- Please consult with SKP when using the product in applications other than compressed air.

SAMU

SAMG

SAFL

SAM

SAMD

SAMH

SAD402

BRACKET

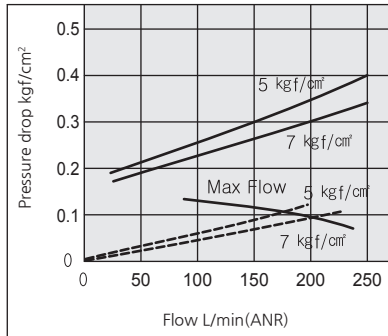
CAUTION

■ FLOW CHARACTERISTICS

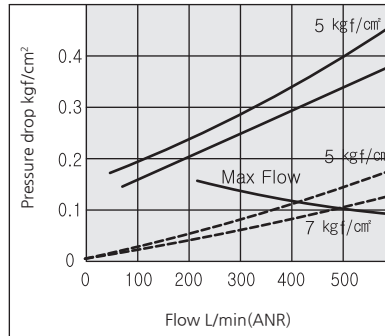
(— Element oil saturation ---- Initial condition)

Note : Compressed air over max. flow line in the table below may not meet the specifications of the product.
It may cause damage to the element.

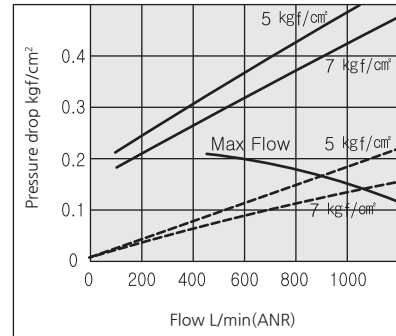
SAMD 150



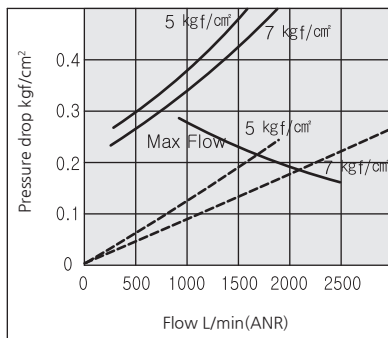
SAMD 250



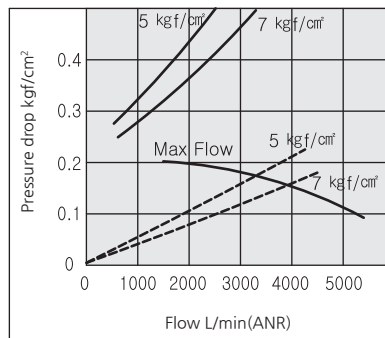
SAMD 350



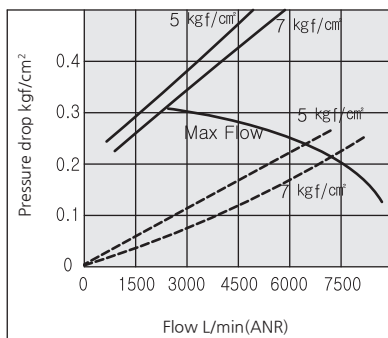
SAMD 450



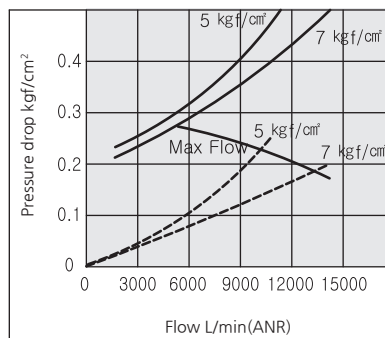
SAMD 550



SAMD 650

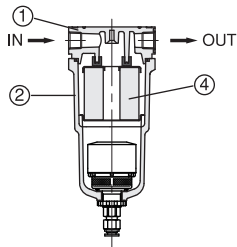


SAMD 850

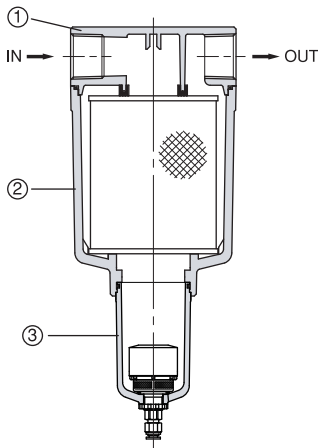


■ STRUCTURE / PARTS

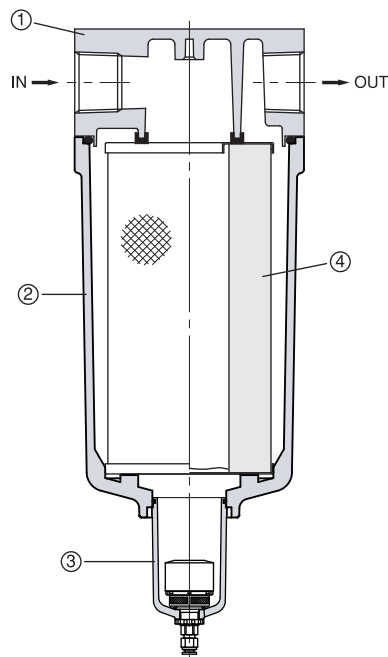
SAMD 150~250



SAMD 350~650



SAMD 850



■ Component Parts

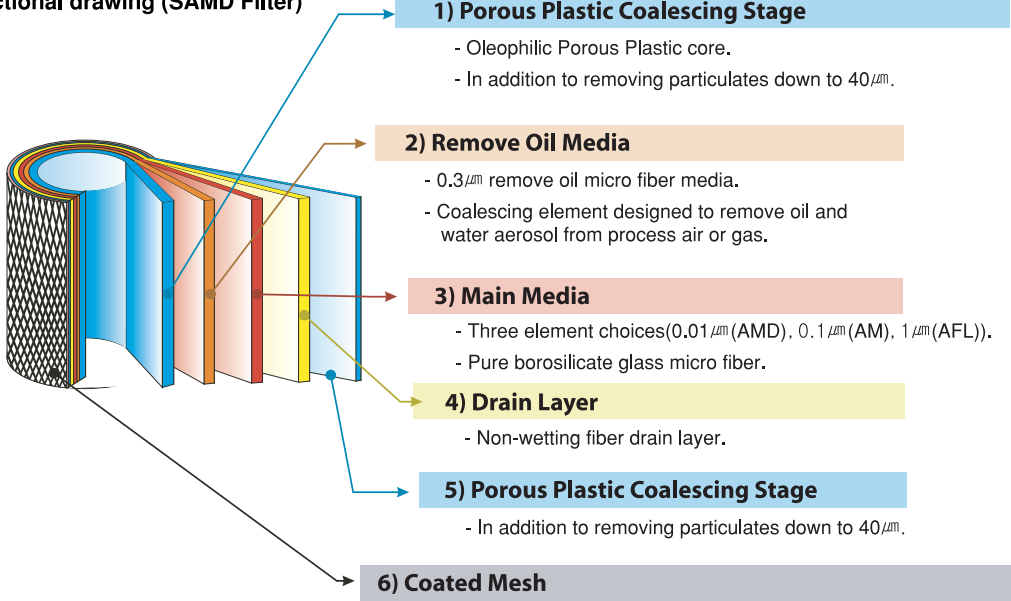
No.	PARTS	MATERIAL
①	Body	ALDC
②	Housing	ALDC
③	Bowl Ass'y	PC + Guard
		ALDC (MeP type)
		ALDC (MeF type)

■ Replacement Parts

(mm)

No.	PARTS	Part No. & Size(Φ x Height)						
		AMD-EL150	AMD-EL250	AMD-EL350	AMD-EL450	AMD-EL550	AMD-EL650	AMD-EL850
④	Filter	45 x 42	58 x 52.5	70 x 77	82 x 87	95 x 117	122 x 144	130 x 260

■ Sectional drawing (SAMD Filter)



SAMU

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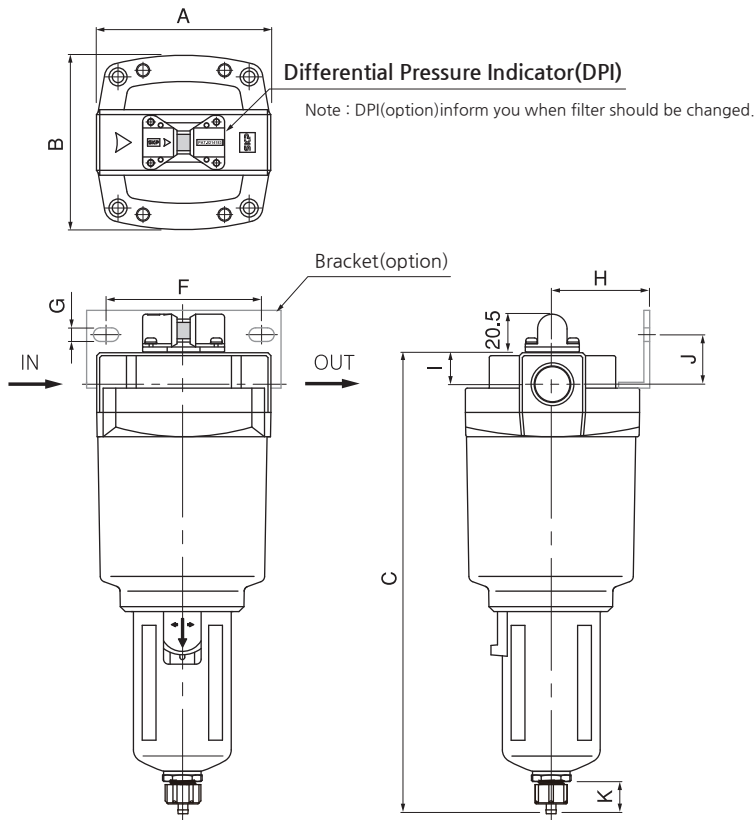
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CAUTION

Series SAMP

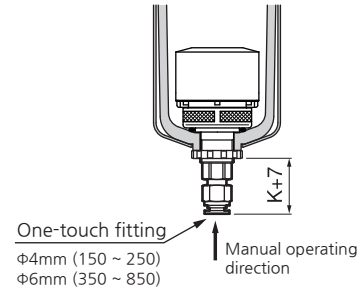
■ Dimensions (mm)

SAMP 150~850

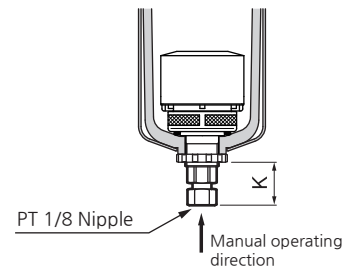


Auto Drain (option)

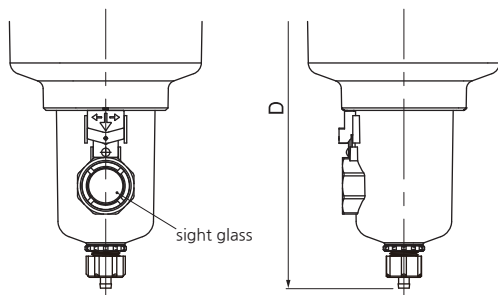
D : Auto Drain with one-touch fitting



Dn : Auto Drain with Nipple

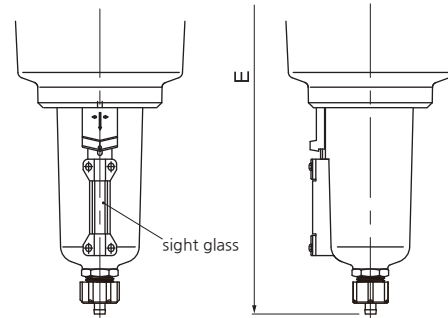


• MeF - Metal Bowl with flat type sight glass



Note : 150 and 250 are the integral cover and bowl(MeF type)

• MeP - Metal Bowl with pipe type sight glass



Model	Port size	A	B	Height(manual drain)			F	G	H	I	J
				C	D(MeF)	E(MeP)					
SAMP 150	1/8, 1/4	67	63	-	160	-	56	5.5	35	10.5	14.5
SAMP 250	1/4	76	76	-	177	-	66	6	40	13	20
SAMP 350	3/8, 1/2	90	90	250	217	252	80	7	50	16	22
SAMP 450	3/4	106	106	283	250	285	90	9	55	19	25
SAMP 550	3/4, 1	122	122	320	287	322	100	9	65	22	30
SAMP 650	1 1/2	160	160	378	342	382	150	13	93	32	27
SAMP 850	1 1/2, 2	180	180	507	474	509	150	13	100	42	30