

Micro Mist Separator(AMD)



SAMD

◆ SAMD250~850 Series

· SAMD series separate and remove the oil particles or carbon and dust particles of size $0.01\mu\text{m}$ 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.



SAMD850

SAMD450

SAMD350

● How to order

SAMD 350 - 04 BD - Me

1 Micro 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

- 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 "

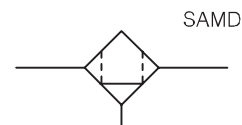
4 Accessory(Optional)

- Nil - Manual Drain
- B - Bracket
- D - Auto Drain

5 Option

- Nil - PC Bowl
- Me - Metal Bowl

● Symbol



● Specification

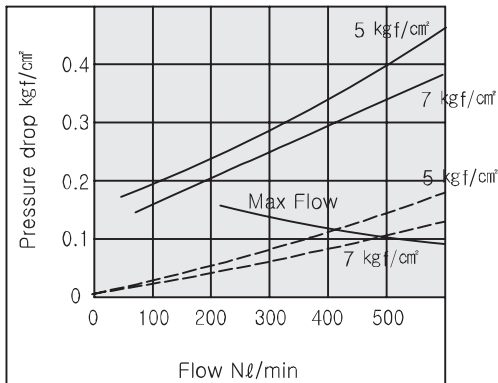
Fluid	Compressed air
Max. operating pressure	1.0MPa [10.2 kgf/cm ²]
Min. operating pressure	0.05MPa [0.5 kgf/cm ²]
Max. supply pressure	1.5MPa [15.3 kgf/cm ²]
Ambient and media temperature	0 ~ 60°C
Filtration	0.01 μm (95% possible filtration particle)
Filter material	Glass fiber
Life of element	When pressure drop reaches at 0.1MPa[1 kgf/cm ²]

● Precautions

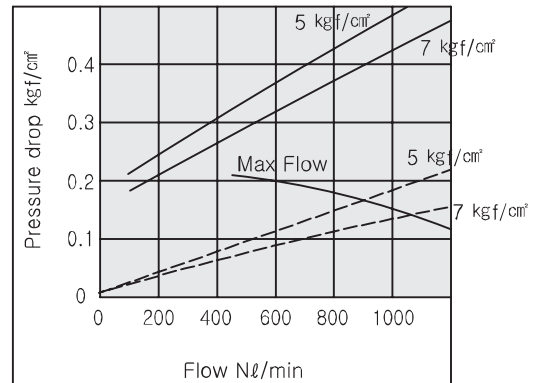
- ① Filter element should be changed after 2 years of using or when pressure drops to 1.0kgf/cm².
- ② When auto drain is used :
Drain piping should be both 4mm or greater in diameter and less than 1m in length.
Also should avoid setting drain piping upwards.
- ③ When auto drain is out of order, it is 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

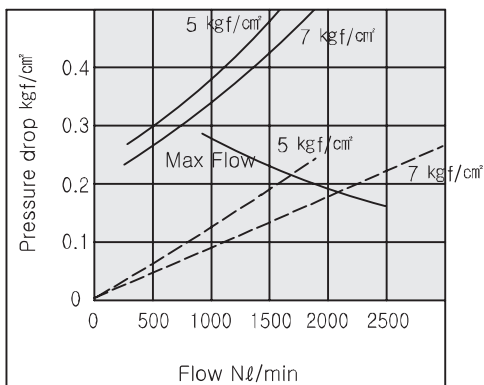
SAMD 250



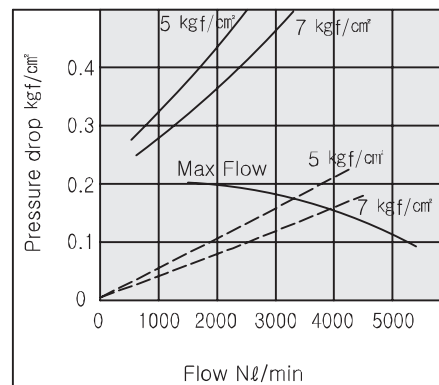
SAMD 350



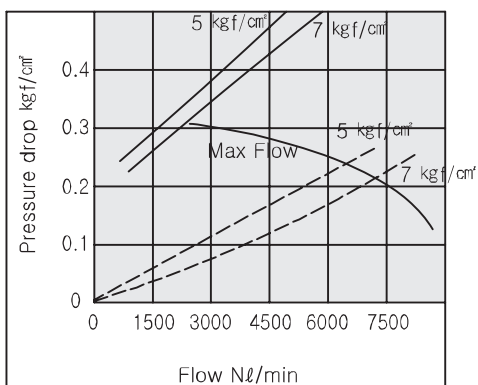
SAMD 450



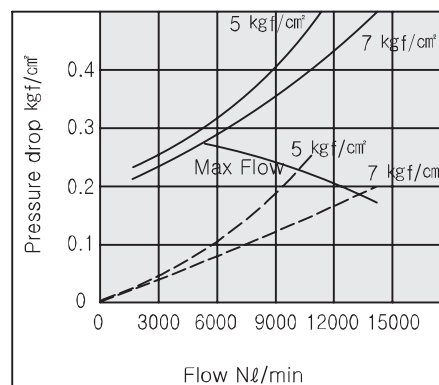
SAMD 550



SAMD 650

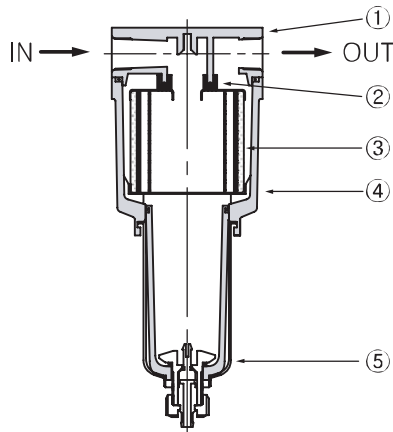


SAMD 850

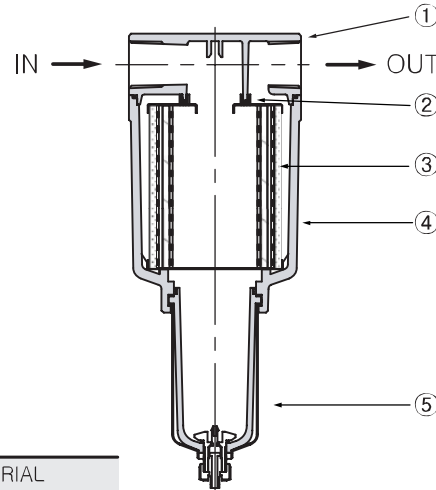


● STRUCTURE / PARTS

SAMD 250

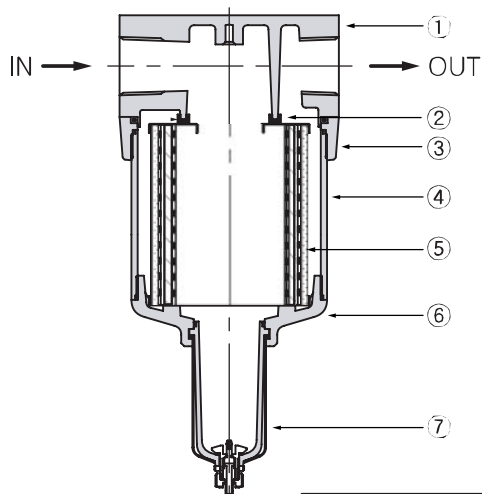


SAMD 350 · 450 · 550

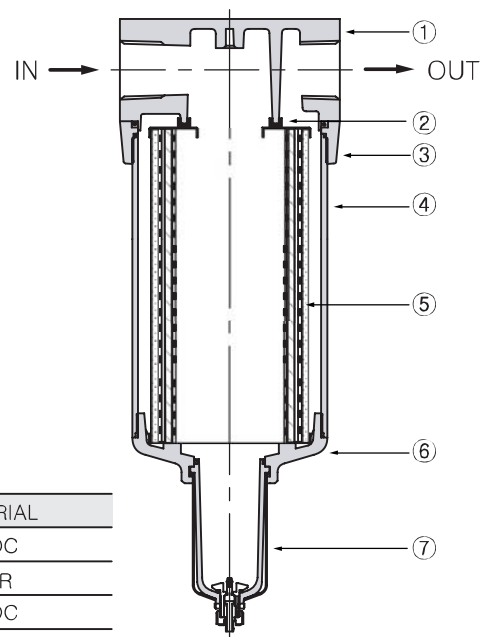


No.	PARTS	MATERIAL
1	Body	ALDC
2	Packing	NBR
3	Element	Glass fiber
4	Cover	ALDC
5	Bowl	PC

SAMD 650



SAMD 850



No.	PARTS	MATERIAL
1	Body	ALDC
2	Packing	NBR
3	U-Cover	ALDC
4	Pipe	AL
5	Element	Glass fiber
6	L-Cover	ALDC
7	Bowl	PC

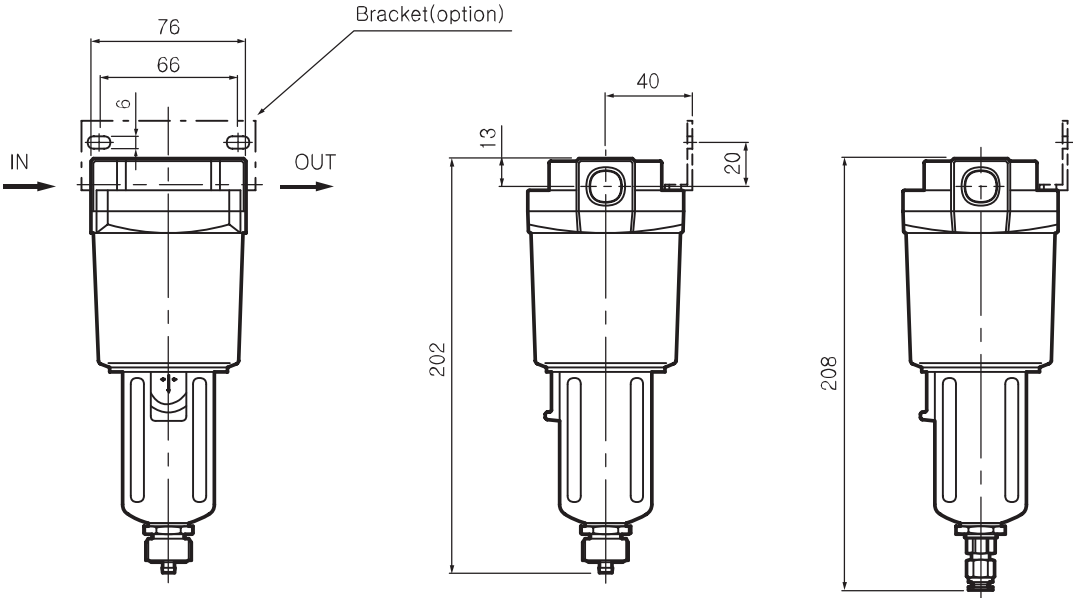
SAMD

SAMD Series



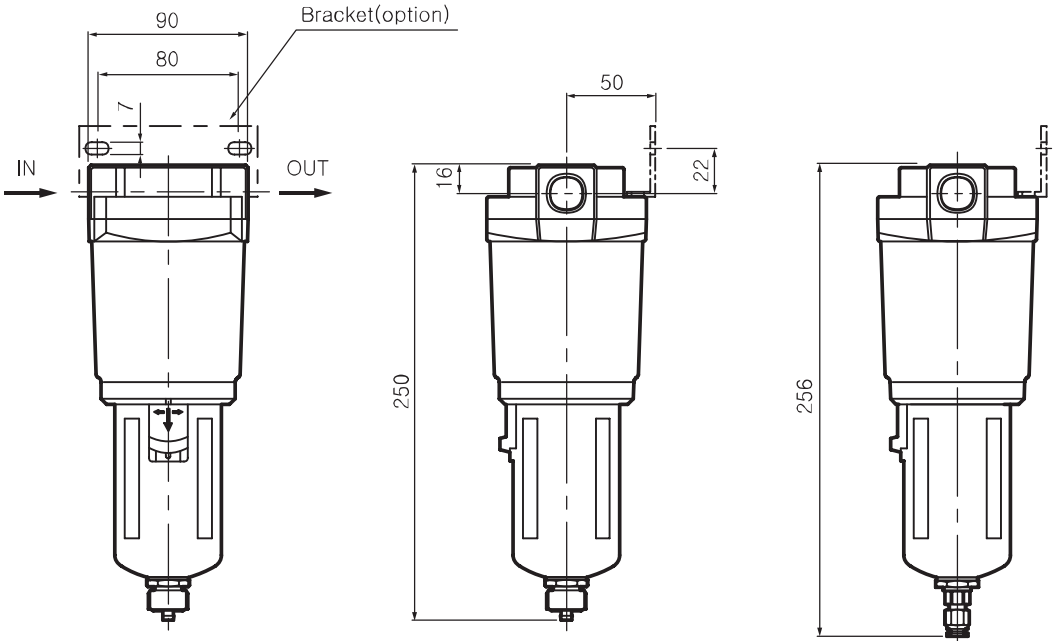
● DIMENSIONS(mm)

SAMD 250



With float type auto drain

SAMD 350

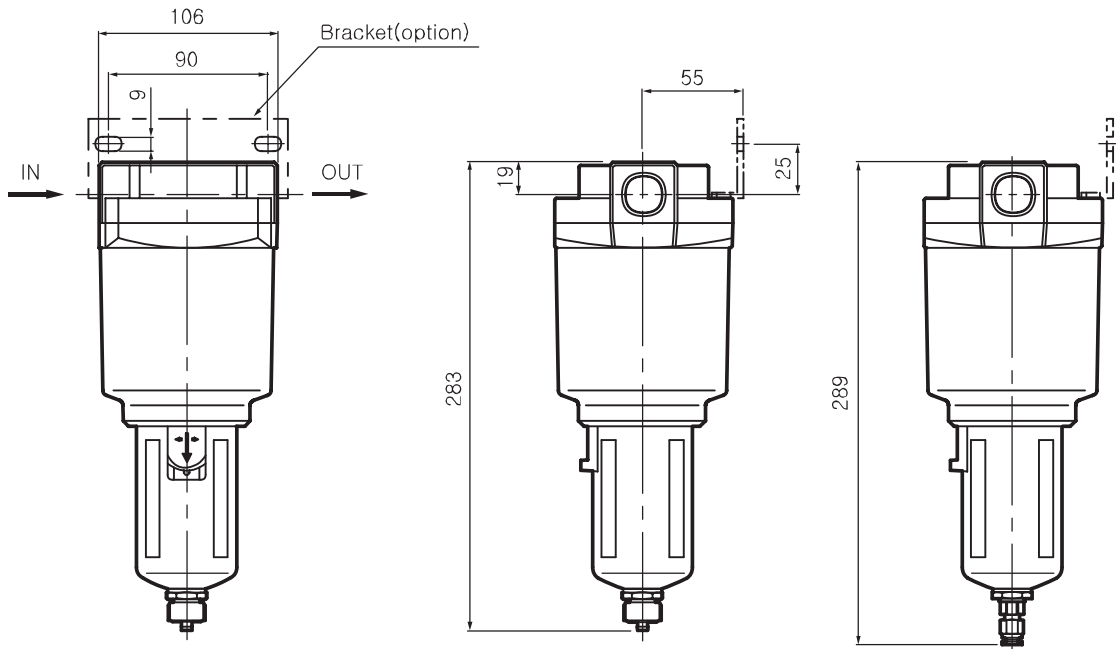


With float type auto drain

SAMD

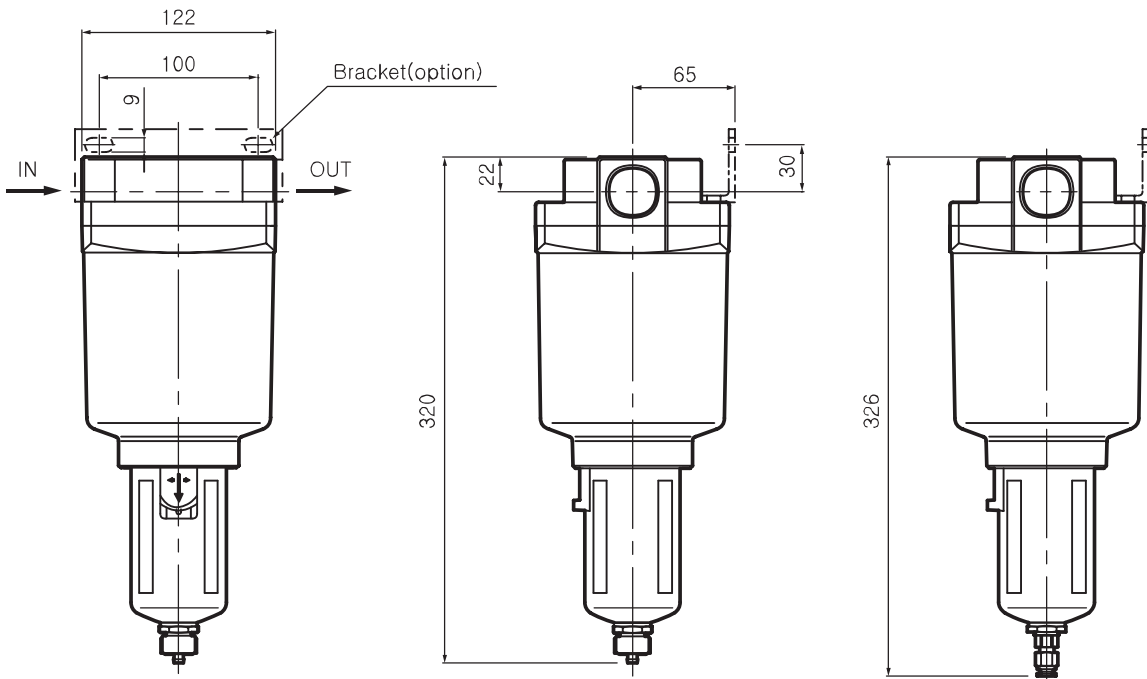
● DIMENSIONS(mm)

SAMD 450



With float type auto drain

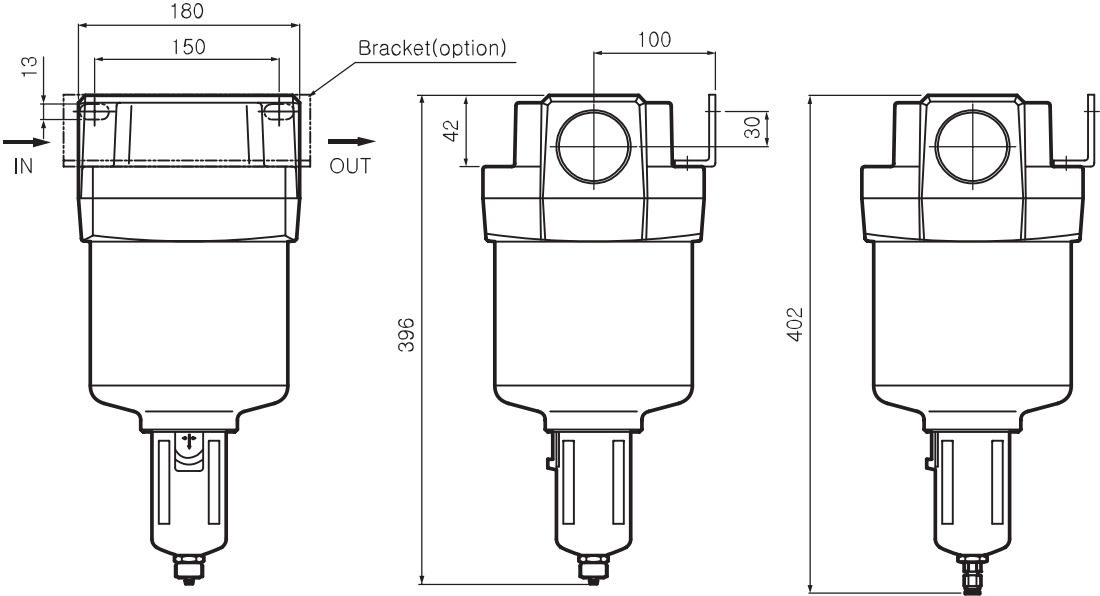
SAMD 550



With float type auto drain

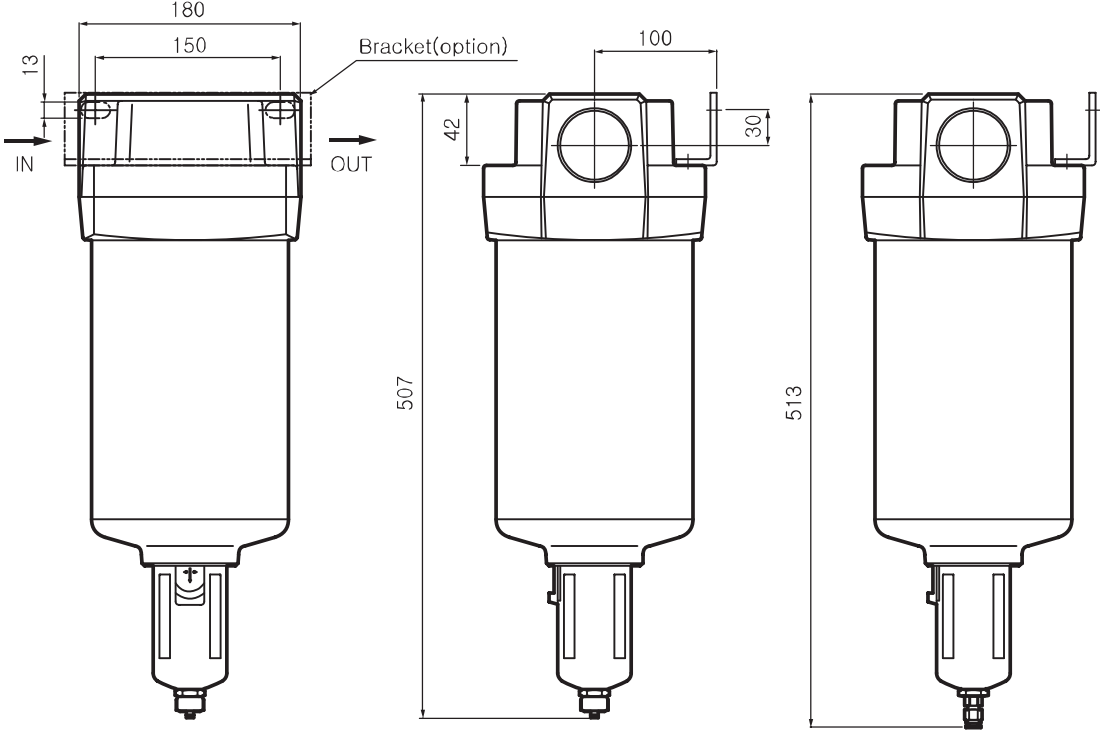
● DIMENSIONS(mm)

SAMD 650



With float type auto drain

SAMD 850

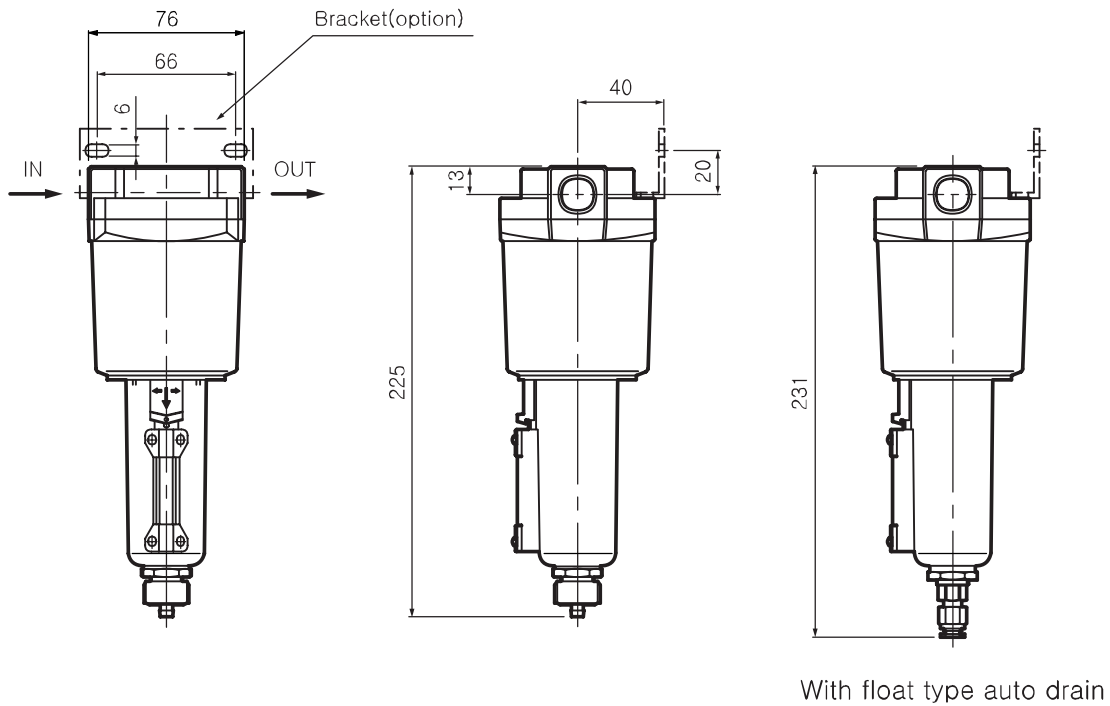


With float type auto drain

SAMD

● DIMENSIONS(mm) – Metal Bowl

SAMD 250-Me



SAMD 350-Me

