

Air Filter (SAF)

SAF100~600 Series



SAF100



SAF200



SAF300



SAF400



SAF600

How to order

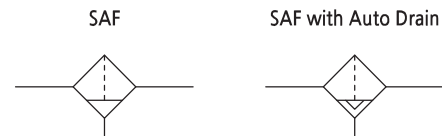
SAF 4 00 - 04 BD - MeP

- ① Air Filter
- ② Body Size
 - 1 - 1/8
 - 2 - 1/4
 - 3 - 3/8
 - 4 - 1/2, 3/4
 - 6 - 1
- ③ Thread type
 - Nil - Rc(PT)
 - N - NPT
 - G - G(PF)
- ④ Port Size

Symbol	Size	Body size				
		1	2	3	4	6
M5	M5	●				
01	1/8		●			
02	1/4		●	●		
03	3/8			●		
04	1/2				●	
06	3/4				●	●
10	1					●
- ⑤ Accessory(Optional)
 - Nil - None Bracket / Manual Drain
 - B - Bracket
 - Note) SAF100 is no bracket options.
 - D - Auto Drain

Symbol	Description	Body				
		1	2	3	4	6
D	One-touch fitting type	●	●	●	●	●
Dn	Nipple(PT1/8) type	-	-	●	●	●
Df	SAF200 Float type	-	●	-	-	-
- ⑥ Bowl
 - Nil - PC bowl
 - MeP - Metal bowl with pipe type sight glass

Symbol



Specification

Fluid	Compressed Air
Max. operating pressure	10bar (1.0MPa)
Max. supply pressure	15bar (1.5MPa)
Ambient and Media temp.	-5 ~ 60℃ (No freezing)
Filtration	10μm (option: 2, 5, 20, 40)
Bowl material	Poly-carbonate (option: ALDC)

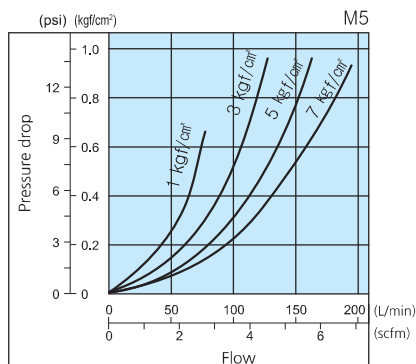
Precautions

- ① Do not use Poly-carbonate bowls in an environment where they are exposed to or come in contact with organic solvents, chemicals, cutting oil, synthetic oil, alkali, and thread lock solutions.
- ② Components with a bowl must be installed vertically with the bowl downward so that faulty drain discharge and dripping can be verified.
- ③ 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.
- ④ When auto drain is used it is recommended to use at least 1.5bar pressure.
- ⑤ When auto drain is inoperable, drain manually by pushing the one-touch fitting upward.
- ⑥ 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.

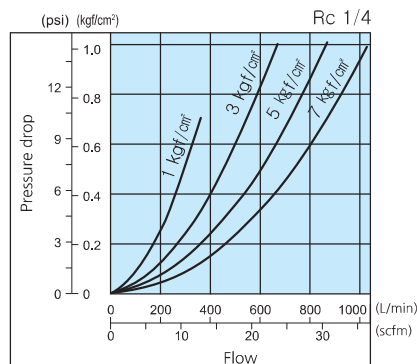
FLOW CHARACTERISTICS

Note : Replace the element every 2 years or when the pressure drop becomes 1bar(0.1Mpa), whichever comes first, to prevent damage to the element.

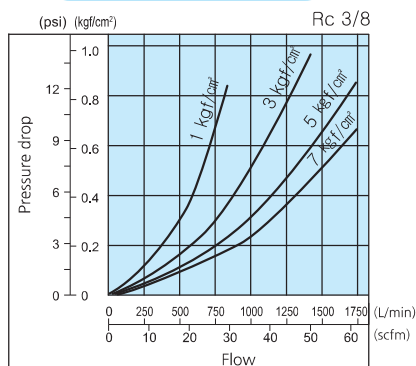
SAF 100



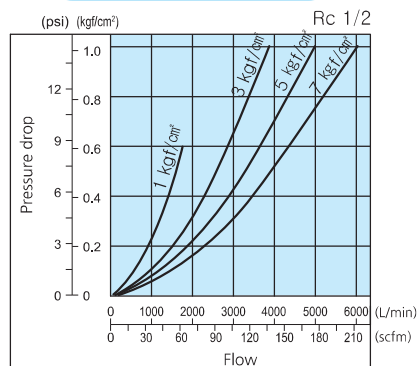
SAF 200



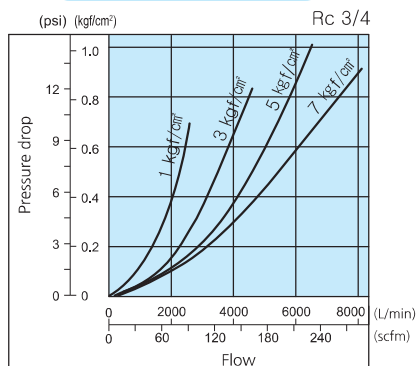
SAF 300



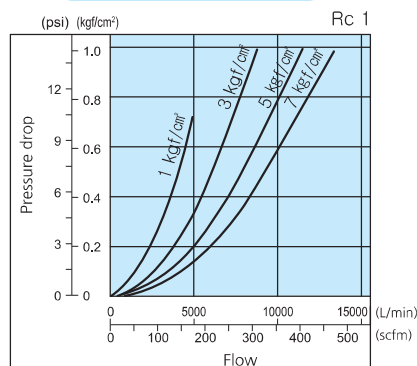
SAF 400-04



SAF 400-06



SAF 600



SAU

SAU
LARGE FLOW

SAU
HIGH PRESS.

SAW

SAW
HIGH PRESS.

SAWM
SAWD

SAF

SAF
LARGE FLOW

SAFM
SAFD

SAR

SAR
LARGE FLOW

SAR
T-HANDLE

SAR
HIGH PRESS.

SRP

SAL

SAL
LARGE FLOW

AUTO-DRAIN
KITS

SHVS

SPS100

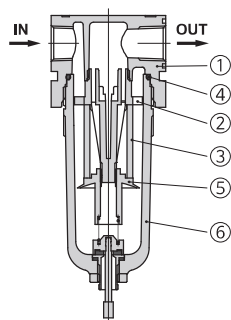
ACCESSORY

CAUTION

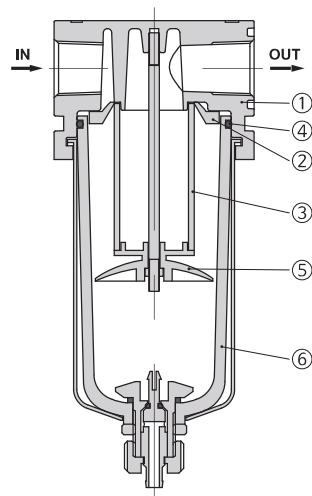
Series SAF100~600

STRUCTURE / PARTS

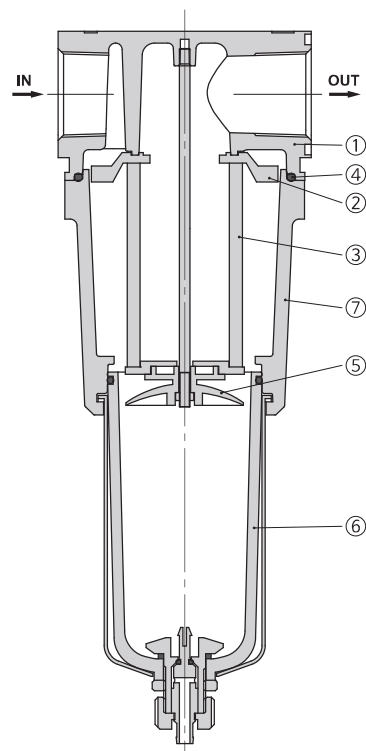
SAF100, SAF200



SAF300, SAF400



SAF600



■ Component Parts

No.	PARTS	MATERIAL
①	Body	ALDC
②	Impeller	ABS
⑤	Baffle	ABS
⑥	Bowl Ass'y ¹⁾	PC
⑦	Housing	ALDC

1) Bowl Ass'y for the SAF300 to SAF600 models comes with a bowl guard (steel band material).

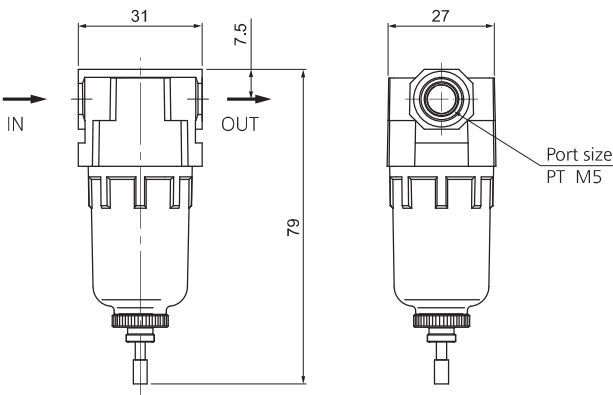
■ Replacement Parts

No.	PARTS	MATERIAL	Part no.				
			SAF100	SAF200	SAF300	SAF400	SAF600
③	Element	-	F100-EL	F200-EL	F300-EL	F400-EL	F600-EL
④	O-ring	NBR	S22	U024	38x2	U137	U137

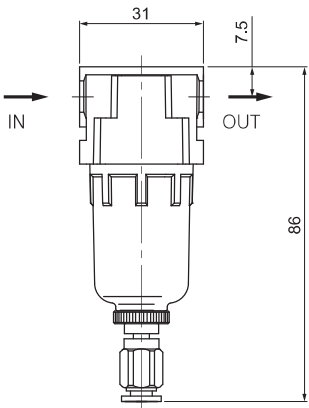
DIMENSIONS (mm)

SAF 100

■ SAF100-□01(M5)□



■ Dimensions of each model with an option attached



with Auto Drain
(Differential pressure type)

Option	D : Auto Drain (Differential pressure type)
Model	Technical drawing of the SAF 100 air filter with an auto-drain option. The front view shows the same cylindrical body as the standard model, but with an additional auto-drain fitting at the bottom. The top flange has an outer diameter of 31 mm and a central port with a diameter of 7.5 mm. The main body has a diameter of 27 mm. The total height is 86 mm. Arrows indicate 'IN' and 'OUT' ports. Φ4mm one-touch fitting

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SRP

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AUTO-DRAIN
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SPS100

ACCESSORY

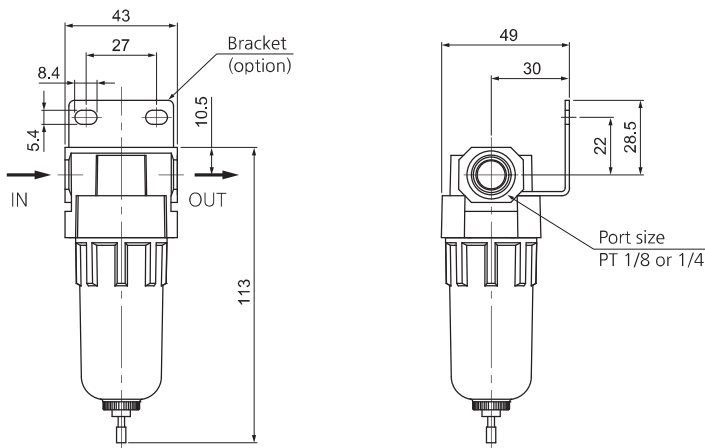
CAUTION

Series SAF100~600

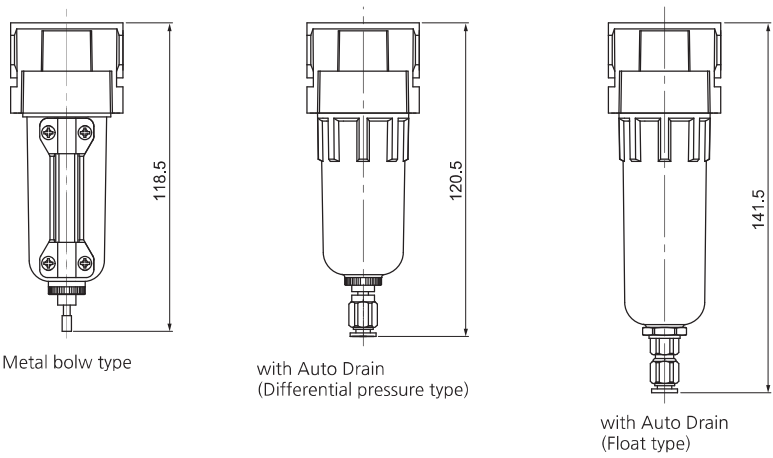
DIMENSIONS (mm)

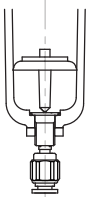
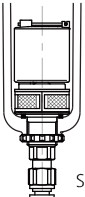
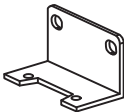
SAF 200

■ SAF200-□02□□



■ Dimensions of each model with an option attached

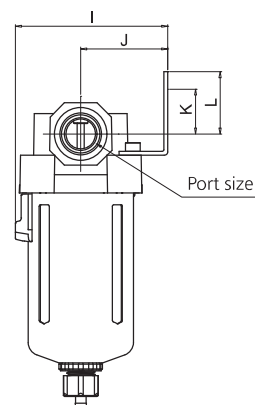
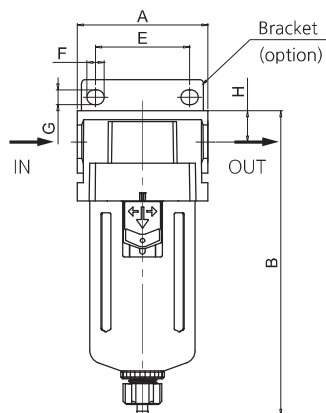


Option	Auto Drain		B : Bracket
	D : Differential pressure type	Df : Float type	
Model		 SAD200	 B200

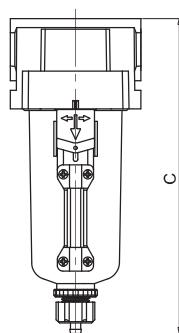
DIMENSIONS (mm)

SAF 300~400

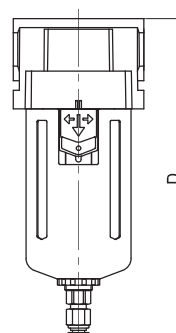
- SAF300-□03□□
- SAF400-□04(06)□□



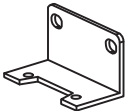
- Dimensions of each model with an option attached



Metal bowl type



with Auto drain

Option	B : Bracket	D : Auto Drain
Model	 SAF300 : B300 SAF400 : B400	 SAF300 : SAD300 SAF400 : SAD400

Model	Port size	A	B	C	D	E	F	G	H	I	J	K	L
SAF300-03	1/4, 3/8	57	143	151	149	40	7.9	6.3	14	65	36.5	14	21
SAF400-04	1/2	75	174	179	181	54	10	8.5	17.9	85	50	25.7	35.7
SAF400-06	3/4	75	178	183	185	54	10	8.5	19.8	85	50	25.1	35.1

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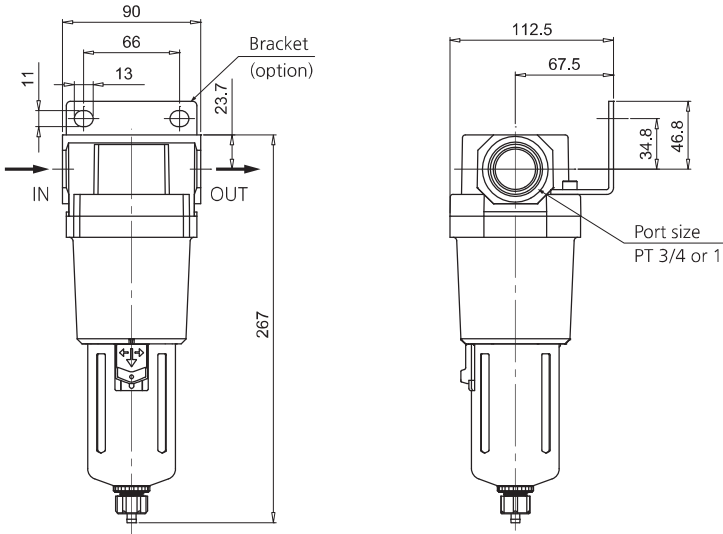
CAUTION

Series SAF100~600

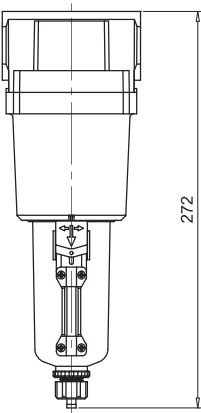
DIMENSIONS (mm)

SAF 600

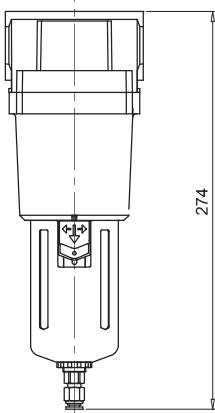
- SAF600-□06□□
- SAF600-□10□□



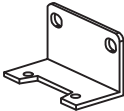
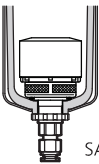
- Dimensions of each model with an option attached



Metal bowl type



with Auto drain

Option	B : Bracket	D : Auto Drain
Model	 B600	 SAD400