

Air Filter

Series AF10 to 60

Features

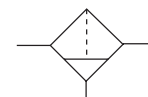
- Part of new modular FRL range.
- Replacement elements available.
- Integral water separator.
- Mounting bracket available.
- Port size M5 - 1".
- Autodrain available.
- New super efficient 5µm poly-element.



Standard specifications

Model	AF10	AF20	AF30	AF40	AF40-06	AF50	AF60
Fluid	Air						
Maximum operating pressure	1.0MPa						
Rated Flow	200	1500	3500	5500	6000	12000	13000
Ambient and fluid temperature	-5 to 60°C (with no freezing)						
Nominal filtration rating	5µm						
Bowl material	Polycarbonate						
Bowl guard	Standard						

Symbol



How to order

AF 30 - F 03 BD

Body size

10 20 30 40 50 60

Thread type

Nil*	Metric thread (M5)
F	G

*Only 10 series

Port size

Symbol	Port size	Body size					
		10	20	30	40	50	60
M5	M5	●	—	—	—	—	—
01	1/8	—	●	—	—	—	—
02	1/4	—	●	●	—	—	—
03	3/8	—	—	●	●	—	—
04	1/2	—	—	—	●	—	—
06	3/4	—	—	—	●	●	—
10	1	—	—	—	—	●	●

Accessories

Symbol	Description	Applicable model
Nil	—	—
B Note 1)	With bracket	AF20 to 60
C	Float type auto drain (N.C.)	AF10 to 60
D	Float type auto drain (N.O.)	AF30 to 60

Note 1) Bracket is not assembled and is supplied loose at the time of shipment.

* When more than one specification is required, indicate in ascending alphanumeric order.

⊙: Combination available

○: Varies depending on the model

—: Combination not available

Accessory/Optional specification combinations

Accessory/Optional specifications		Combination	Symbol	Accessory			Applicable filter		
				B	C	D	AF10	AF20	AF30 to 60
Accessories	With bracket		B		⊙	○		⊙	⊙
	Float type auto drain (N.C.)		C	○			⊙	⊙	⊙
	Float type auto drain (N.O.)		D	⊙					⊙

NOTE:) Contact SMC for other possible options, like metal bowls.

Accessory part no.

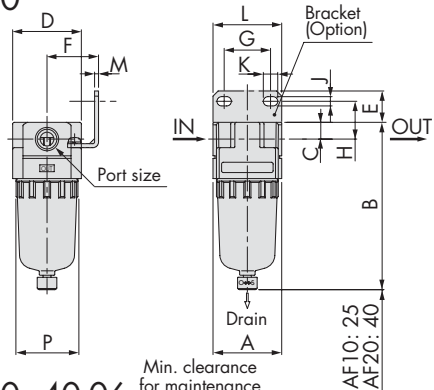
Applicable model		AF10	AF20	AF30	AF40	AF40-06	AF50	AF60
Bracket assembly Note 1)		—	AF20P-050AS	AF30P-050AS	AF40P-050AS	AF40P-070AS	AF50P-050AS	AF50P-050AS
Float type Note 2) auto drain Bowl Ass'y	N.O.	—	—	AD38	AD48	AD48	AD48	AD48
	N.C.	AD17	AD27	AD37	AD47	AD47	AD47	AD47

Note 1) Assembly includes a bracket and 2 mounting screws.

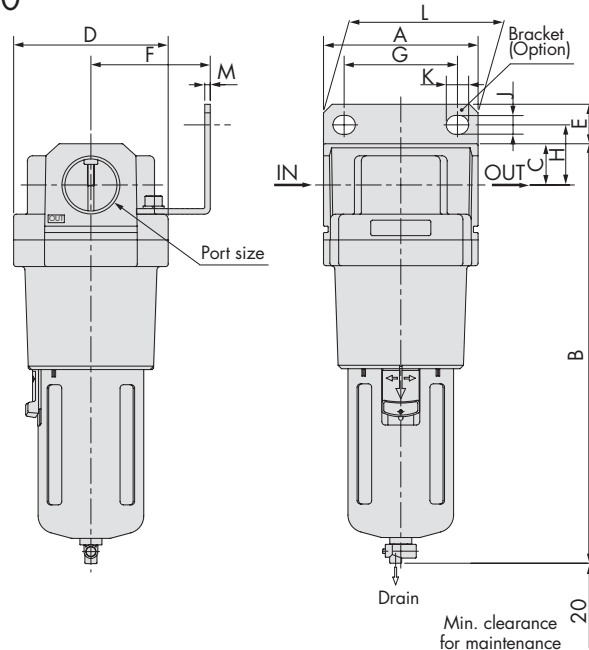
Note 2) Minimum operating pressure: N.O. type-0.1MPa; N.C. type-0.1MPa (AD17/27) and 0.15MPa (AD37/47).

Dimensions

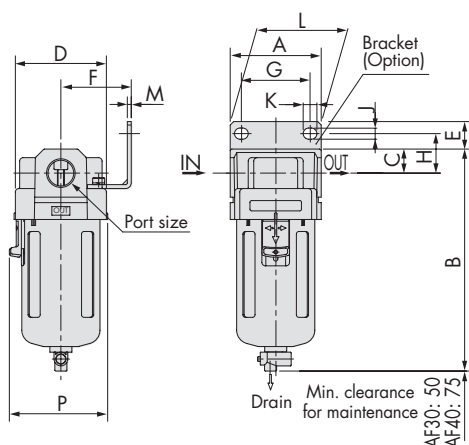
AF10, 20



AF50, 60



AF30, 40, 40-06



Applicable model	AF10, AF20	AF30, AF40, AF40-06, AF50, AF60
Optional specifications	With auto drain (N.C.) 	With auto drain (N.O./N.C.)

Model	Port size	Standard specification					Accessory specification									
							Bracket mounting size									
		A	B	C	D	P	E	F	G	H	J	K	L	M	With auto drain	
AF10	M5	25	67	7	25	28	—	—	—	—	—	—	—	—	85	
AF20	1/8, 1/4	40	97	10	40	—	18	30	27	22	5.4	8.4	40	2.3	115	
AF30	1/4, 3/8	53	129	14	53	57	16	41	40	23	6.5	8	53	2.3	170	
AF40	1/4, 3/8, 1/2	70	165	18	70	73	17	50	54	26	8.5	10.5	70	2.3	204	
AF40-06	3/4	75	169	20	70	73	14	50	54	25	8.5	10.5	70	2.3	208	
AF50	3/4, 1	90	245	24	90	—	23	70	66	35	11	13	90	3.2	284	
AF60	1	95	258	24	95	—	23	70	66	35	11	13	90	3.2	297	

Air filter replacement parts

No.	Description	Material	Part no.						
			AF10	AF20	AF30	AF40	AF40-06	AF50	AF60
2	Filter element	Non-woven fabric	AF10P-060S	AF20P-060S	AF30P-060S	AF40P-060S	AF40P-060S	AF50P-060S	AF60P-060S
3	Baffle	PBT	AF10P-040S Note 1)	AF20P-040S	AF30P-040S	AF40P-040S	AF40P-040S	AF50P-040S	AF60P-040S
4	Bowl O-ring	NBR	C1SFP-260S	C2SFP-260S	C3SFP-260S	C4SFP-260S	C4SFP-260S	C4SFP-260S	C4SFP-260S
5	Manual bowl assembly	PC	C1SF	C2SF	C3SF Note 2)	C4SF Note 2)	C4SF Note 2)	C4SF Note 2)	C4SF Note 2)

Note 1) The material of the baffle for AF10 (AF10P-040S) only is POM.

Note 2) Bowl assembly for AF30 to 60 models comes with a bowl guard (steel band material).



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