

Series 10-21-AF Air filter

How to Order

Clean series

10-AF 30-F 03 B-J

21-AF 30-F 03 B-J

* "J" must always be selected.

Copper, fluorine and silicon-free + Low particle generation

Air filter

Body size

20 30 40 50 60

Thread type

Nil	Rc
N Note 1)	NPT
F Note 2)	G

Note 1) Drain guide is NPT 1/8 (applicable to size 20), and NPT 1/4 (applicable to size 30 to 60).

Note 2) Drain guide is G 1/8 (applicable to size 20), and G 1/4 (applicable to size 30 to 60).

Port size

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

Accessory

Symbol	Description	Applicable model
Nil	—	—
B Note 3)	With bracket	20 to 60

Note 3) Bracket is not assembled and is supplied loose at the time of shipment.

Option

Symbol	Description	Applicable model
2	Metal bowl	20 to 60
6	Nylon bowl	20 to 60
8	Metal bowl with level gauge	30 to 60
C	With bowl guard	20
J Note 4)	Drain guide 1/8	20
J	Drain guide 1/4	30 to 60
R	Flow direction: Right to left	20 to 60
Z Note 5)	Name plate and caution plate for bowl in imperial units (PSI, °F)	20 to 60

Note 4) Without a valve function.

Note 5) For NPT thread type. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan).



Accessory/Optional specifications combinations

Combination		Symbol	Accessory	Optional specifications							Applicable filter	
				B	2	6	8	C	J	R	Z	10-/21-AF20
Accessory/Optional specifications												
Accessory	With bracket	B		○	○	○	○	○	○	△	○	○
	Metal bowl	−2	○					○	○	△	○	○
	Nylon bowl	−6	○				○	○	○	△	○	○
	Metal bowl with level gauge	−8	○					○	○	△		○
	With bowl guard	−C	○		○			○	○	△	○	
	Drain guide	−J	○	○	○	○	○		○	△	○	○
	Flow direction: Right to left	−R	○	○	○	○	○	○		△	○	○
	Name plate and caution plate for bowl in imperial units (PSI, °F)	−Z	△	△	△	△	△	△	△		△	△

Standard specifications

Model	10-/21-AF20	10-/21-AF30	10-/21-AF40	10-/21-AF40-06	10-/21-AF50	10-/21-AF60
Port size	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1
Fluid	Air					
Proof pressure	1.5 MPa					
Maximum operating pressure	1.0 MPa					
Ambient & fluid temperature	-5 to 60°C (No freezing)					
Nominal filtration rating	5 μm					
Air flow capacity Note 6)	800 (1/8)	1600 (1/4)	1600 (1/4)	4200 (3/4)	6100 (3/4)	8200 (1)
(ℓ/min (ANR))	1000 (1/4)	2100 (3/8)	2800 (3/8)		7000 (1)	
			3700 (1/2)			
Drain capacity (cm³)	8	25	45	45	45	45
Drain guide port size	1/8	1/4	1/4	1/4	1/4	1/4
Grease	10-: Fluorine grease 21-: Lithium soap based grease					
Particle generation grade	10-: Grade 1					
(Refer to front matter pages 13 to 22 for details.)	21-: Grade 1					

Note 6) Inlet side pressure: 0.5 MPa, Pressure drop: 0.05 MPa (Representative value).

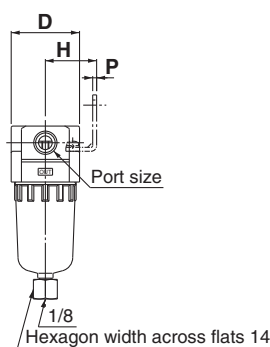
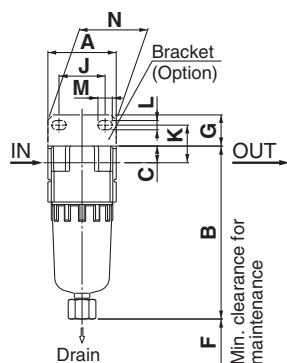
Accessory part no.

Accessory	Applicable model	10-/21-AF20	10-/21-AF30	10-/21-AF40	10-/21-AF40-06	10-/21-AF50	10-/21-AF60
Bracket assembly Note 7)		AF20P-050AS	AF30P-050AS	AF40P-050AS	AF40P-070AS	AF50P-050AS	AF50P-050AS

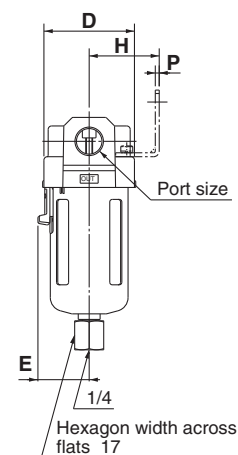
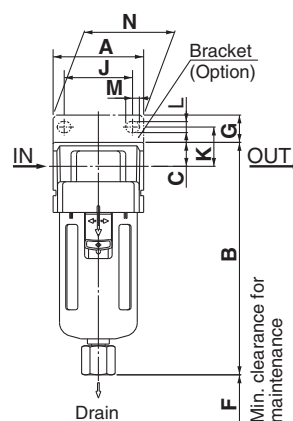
Note 7) Assembly includes a bracket and 2 mounting screws.

Dimensions

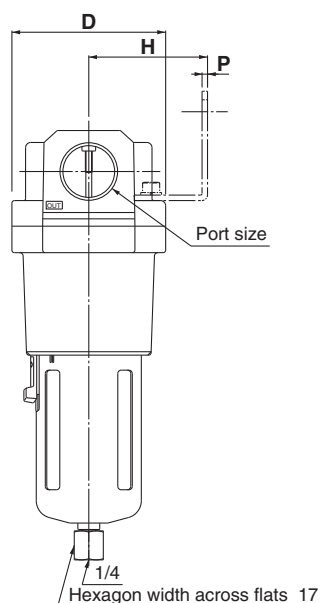
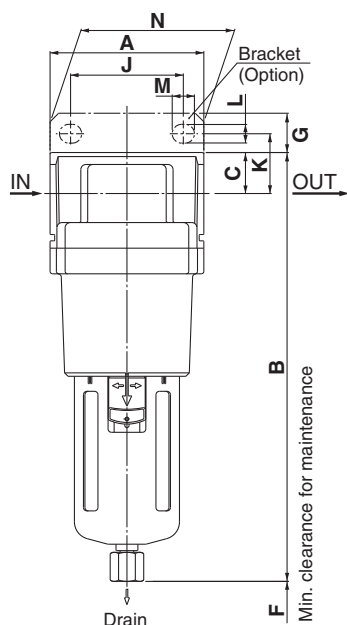
10-21-AF20



10-21-AF30 to 40-06



10-21-AF50/60



Applicable model	10-21-AF20				10-21-AF30 to 60			
Optional specifications	With bowl guard	Metal bowl			Metal bowl	Metal bowl with level gauge		
Dimensions								

Model	Port size	Standard specifications							Accessory specifications							Optional specifications		
									Bracket mounting size							With bowl guard	Metal bowl	Metal bowl with level gauge
		A	B	C	D	E	F	G	H	J	K	L	M	N	P			
10-21-AF20	1/8, 1/4	40	101	10	40	—	40	18	30	27	22	5.4	8.4	40	2.3	101	104	—
10-21-AF30	1/4, 3/8	53	136	14	53	30	50	16	41	40	23	6.5	8	53	2.3	—	136	156
10-21-AF40	1/4, 3/8, 1/2	70	172	18	70	38	75	17	50	54	26	8.5	10.5	70	2.3	—	172	192
10-21-AF40-06	3/4	75	176	20	70	38	75	14	50	54	25	8.5	10.5	70	2.3	—	176	196
10-21-AF50	3/4, 1	90	252	24	90	—	20	23	70	66	35	11	13	90	3.2	—	252	272
10-21-AF60	1	95	265	24	95	—	20	23	70	66	35	11	13	90	3.2	—	265	285