

AF20-A to AF60-A Air Filter Made to Order

Please contact SMC for detailed dimensions, specifications and lead times.



③ Special Temperature Environment

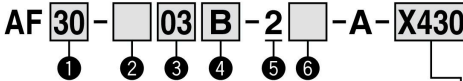
Special materials are used in the manufacturing of seals and resin parts to allow them to withstand various temperature conditions in cold or tropical (hot) climates.

Specifications

Made-to-order part no.	-X430	-X440
Environment	Low temperature	High temperature
Ambient temperature [°C]	-30 to 60	-5 to 80
Fluid temperature [°C]	-5 to 60 (with no freezing)	
Material	Rubber parts	Special NBR
	Main parts	Metal (Aluminum die-cast, etc.)

Applicable Model

Model	AF30-A	AF40-A	AF40-06-A	AF50-A	AF60-A
Port size	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1



- Semi-standard: Select one each for a to c.
- Semi-standard symbol: When more than one specification is required, indicate in alphabetic order.
Example) AF30-03B-2R-A-X430

For high/low temperature

X430	Low temperature
X440	High temperature

	Symbol	Description	① Body size				
			30	40	50	60	
② Pipe thread type	Nil	Rc	●	●	●	●	
	N*1	NPT	●	●	●	●	
	F*2	G	●	●	●	●	
③ Port size	+						
	02	1/4	●	●	—	—	
	03	3/8	●	●	—	—	
	04	1/2	—	—	—	—	
	06	3/4	—	●	●	—	
④ Option (Mounting)	Nil	Without mounting option	●	●	●	●	
	B*3	With bracket	●	●	●	●	
⑤ Bowl *4	+		●	●	●	●	
	2	Metal bowl	●	●	●	●	
⑥ Semi-standard	a	Nil	With drain cock	●	●	●	●
		J*5	Drain guide 1/4	●	●	●	●
	b	Nil	Flow direction: Left to right	●	●	●	●
		R	Flow direction: Right to left	●	●	●	●
	c	Nil	Name plate and caution plate for bowl in SI units: MPa	●	●	●	●
		Z*6	Name plate and caution plate for bowl in imperial units: psi, °F	○*7	○*7	○*7	○*7

- *1 Drain guide is NPT1/4.
- *2 Drain guide is G1/4.
- *3 A bracket is not assembled and supplied loose at the time of shipment. Including 2 mounting screws
- *4 Only metal bowl 2 is available.
- *5 Without a valve function
- *6 For pipe thread type: NPT. This product is for overseas use only according to the new Measurement Act. (The SI unit type is provided for use in Japan.)
- *7 ○: For pipe thread type: NPT only

④ High Pressure

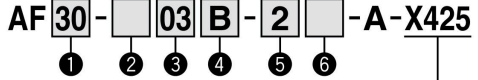
Strong materials are used in the manufacturing of air filters intended for high pressure operation.

Specifications

Made-to-order part no.	-X425
Proof pressure [MPa]	3.0
Maximum operating pressure [MPa]	2.0
Ambient and fluid temperature [°C]	-5 to 60 (with no freezing)

Applicable Model

Model	AF20-A	AF30-A	AF40-A	AF40-06-A	AF50-A	AF60-A
Port size	1/8, 1/4	1/4, 3/8	1/4, 3/8, 1/2	3/4	3/4, 1	1



For high pressure

- Semi-standard: Select one each for a to c.
- Semi-standard symbol: When more than one specification is required, indicate in alphabetic order.
Example) AF30-03B-2R-A-X425

	Symbol	Description	① Body size				
			20	30	40	50	60
② Pipe thread type	Nil	Rc	●	●	●	●	
	N*1	NPT	●	●	●	●	
	F*2	G	●	●	●	●	
③ Port size	+						
	01	1/8	●	—	—	—	
	02	1/4	●	●	—	—	
	03	3/8	—	●	—	—	
	04	1/2	—	—	●	—	
	06	3/4	—	—	—	●	
④ Option (Mounting)	Nil	Without mounting option	●	●	●	●	
	B*3	With bracket	●	●	●	●	
⑤ Bowl *4	+		●	●	●	●	
	8	Metal bowl with level gauge	—	—	●	●	
⑥ Semi-standard	a	Nil	With drain cock	●	●	●	●
		J*5	Drain guide 1/8 Drain guide 1/4	●	—	—	—
	b	Nil	Flow direction: Left to right	●	●	●	●
		R	Flow direction: Right to left	●	●	●	●
	c	Nil	Name plate and caution plate for bowl in SI units: MPa	●	●	●	●
		Z*6	Name plate and caution plate for bowl in imperial units: psi, °F	○*7	○*7	○*7	○*7

- *1 Drain guide is NPT1/8 (applicable to the AF20-A) and NPT1/4 (applicable to the AF30-A to AF60-A).
- *2 Drain guide is G1/8 (applicable to the AF20-A) and G1/4 (applicable to the AF30-A to AF60-A).
- *3 A bracket is not assembled and supplied loose at the time of shipment. Including 2 mounting screws
- *4 Only metal bowl 2 and 8 are available.
- *5 Without a valve function
- *6 For pipe thread type: NPT. This product is for overseas use only according to the new Measurement Act. (The SI unit type is provided for use in Japan.)
- *7 ○: For pipe thread type: NPT only