

Air Filter/AF20-A to AF40-06-A

Made to Order

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



② With Element Service Indicator

Clogging status of elements can be checked visually.

Applicable Model

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

AF **30** - **03** - **A-X2141**

① ② ③ ④ ⑤

• Option/Semi-standard: Select one each for a to f.
 • Option/Semi-standard symbol: When more than one specification is required, indicate in alphanumeric order.
 Example) AF30-03BD-2R-A-X2141

• With element service indicator

A special body type is required to mount the element service indicator. It cannot be mounted on a standard body.

		Symbol	Description	① Body size		
				20	30	40
②	Pipe thread type	Nil	Rc	●	●	●
		N ^{Note 1)}	NPT	●	●	●
		F ^{Note 2)}	G	●	●	●
+						
③	Port size	01	1/8	●	—	—
		02	1/4	●	●	●
		03	3/8	—	●	●
		04	1/2	—	—	●
		06	3/4	—	—	●
+						
④ Option	a Mounting	Nil	Without mounting option	●	●	●
		B ^{Note 3)}	With bracket	●	●	●
+						
④ Option	b Float type auto drain	Nil	Without auto drain	●	●	●
		C ^{Note 4)}	N.C. (Normally closed) Drain port is closed when pressure is not applied.	●	●	●
		D ^{Note 5)}	N.O. (Normally open) Drain port is open when pressure is not applied.	—	●	●
+						
⑤ Semi-standard	c Bowl ^{Note 6)}	Nil	Polycarbonate bowl	●	●	●
		2	Metal bowl	●	●	●
		6	Nylon bowl	●	●	●
		8	Metal bowl with level gauge	—	●	●
		C	With bowl guard	●	— ^{Note 7)}	— ^{Note 7)}
		6C	With bowl guard (Nylon bowl)	●	— ^{Note 8)}	— ^{Note 8)}
+						
⑤ Semi-standard	d Drain port ^{Note 12)}	Nil	With drain cock	●	●	●
		J ^{Note 9)}	Drain guide 1/8	●	—	—
		W ^{Note 13)}	Drain guide 1/4	—	●	●
			Drain cock with barb fitting (for ø6 x ø4 nylon tube)	—	●	●
+						
⑤ Semi-standard	e Flow direction	Nil	Flow direction: Left to right	●	●	●
		R	Flow direction: Right to left	●	●	●
+						
⑤ Semi-standard	f Pressure unit	Nil	Name plate and caution plate for bowl in imperial units: MPa	●	●	●
		Z ^{Note 10)}	Name plate and caution plate for bowl in imperial units: psi, °F	○ ^{Note 11)}	○ ^{Note 11)}	○ ^{Note 11)}

Note 1) Drain guide is NPT1/8 (applicable to the AF20-A) and NPT1/4 (applicable to the AF30-A to AF40-06-A).

The auto drain port comes with ø3/8" One-touch fitting (applicable to the AF30-A to AF40-06-A).

Note 2) Drain guide is G1/8 (applicable to the AF20-A) and G1/4 (applicable to the AF30-A to AF40-06-A).

Note 3) A bracket is not assembled and supplied loose at the time of shipment. Including 2 mounting screws.

Note 4) When pressure is not applied, condensate which does not start the auto drain mechanism will be left in the bowl.

Releasing the residual condensate before ending operations for the day is recommended.

Note 5) If the compressor is small (0.75 kW, discharge flow is less than 100 L/min (ANR)), air leakage from the drain cock may occur during start of operations. N.C. type is recommended.

Note 6) Refer to Chemical data on page 433 for chemical resistance of the bowl.

Note 7) A bowl guard is provided as standard equipment (polycarbonate).

Note 8) A bowl guard is provided as standard equipment (nylon).

Note 9) Without a valve function

Note 10) For pipe thread type: NPT. This product is for overseas use only according to the new Measurement Law. (The SI unit type is provided for use in Japan.)

Note 11) ○: For pipe thread type: NPT only

Note 12) The combination of float type auto drain: C and D is not available.

Note 13) The combination of metal bowl: 2 and 8 is not available.