

Odor Removal Filter

AMF Series

RoHS

Efficiently can remove odor in compressed air with an activated carbon element. Use this unit for applications sensitive to odors, such as for clean rooms.

Can remove odor and gas ingredients in compressed air.
Activated carbon element with large filtration area.
Easy replacement of elements.

Caution

Be sure to use the AME series as a pre-filter.

Modular connection is possible with AMF150C to 550C.
(For details, refer to page 266.)



AMF150C to 350C AMF450C/550C



AMF650/850

Symbol



Made to Order
(For details, refer to page 272.)

Model

Model	AMF150C	AMF250C	AMF350C	AMF450C	AMF550C	AMF650	AMF850
Rated flow (L/min (ANR))	200	500	1000	2000	3700	6000	12000
Port size	1/8, 1/4	1/4, 3/8	3/8, 1/2	1/2, 3/4	3/4, 1	1, 1 1/2	1 1/2, 2
Weight (kg)	0.3	0.48	0.8	1.3	2.0	4.2	10.5

Note) Max. flow capacity at 0.7 MPa.

Max. flow capacity varies depending on the operating pressure.

Refer to "Flow Rate Characteristics" (page 260) and "Maximum Flow Capacity Line" (page 259).

Specifications

Fluid	Compressed air
Max. operating pressure	1.0 MPa
Min. operating pressure	0.05 MPa
Proof pressure	1.5 MPa
Ambient and fluid temperature	5 to 60°C
Nominal filtration rating	0.01 μm (Filtration efficiency: 99.9%)
Cleanliness at outlet	Less than 100 particles of 0.3 μm or larger per cubic foot [Less than 35 particles per 10 liters (ANR)] (The "AME" series is required on the inlet side.)
Oil mist density at outlet	Max. 0.004 mg/m ³ (ANR) (= 0.0032 ppm) (The "AME" series is required on the inlet side.)
Element replacement period	1. Replace the element when you notice an odor coming from the outlet side. 2. Even if the deodorization performance is normal, the replacement interval for the element is when the pressure drop reaches 0.1 MPa or after two years of operation, whichever comes first.

Accessory Part No.

Applicable model	AMF150C	AMF250C	AMF350C	AMF450C	AMF550C	AMF650	AMF850
Bracket assembly (with 2 mounting screws)	AM-BM101	AM-BM102	AM-BM103	AM-BM104	AM-BM105	BM56	BM57

Caution

Be sure to read this before handling the products.
Refer to back page 50 for Safety Instructions and pages 6 to 8 for Air Preparation Equipment Precautions.

How to Order



AMF150C to 550C

AMF 550 C - 10 -

Size

150
250
350
450
550

Thread type

Symbol	Type
Nil	Rc
F	G
N	NPT

Option

- Multiple options can be selected.
- Indicate symbols in alphabetical order.

Symbol	Description
Nil	—
F	Rubber material: FKM
H	For medium air pressure (1.6 MPa)
R	IN-OUT reversal direction
V	White vaseline

Accessory

Symbol	Description
Nil	—
B	Bracket *

* Bracket is included,
(but not assembled).

Port size

Symbol	Port size	Applicable size				
		150	250	350	450	550
01	1/8	●				
02	1/4	●	●			
03	3/8		●	●		
04	1/2			●	●	
06	3/4				●	●
10	1					●

Options

Symbol F: Rubber material: FKM

FKM is used for the parts
such as O-ring and gasket.

Symbol H: For medium air pressure
(1.6 MPa)

Can be used up to 1.6 MPa at
maximum.

Symbol R: IN-OUT reversal direction

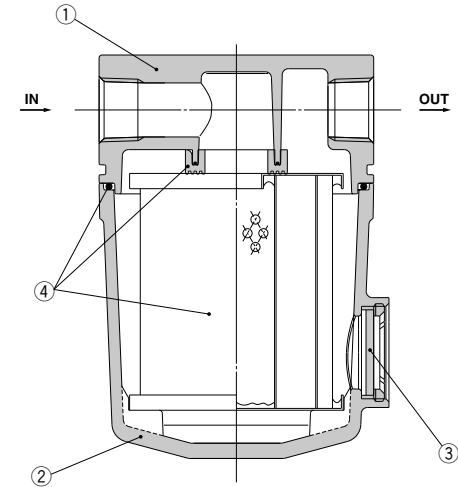
Flow direction: Right to left
(Flow direction of the standard: Left to
right.)

Symbol V: White vaseline

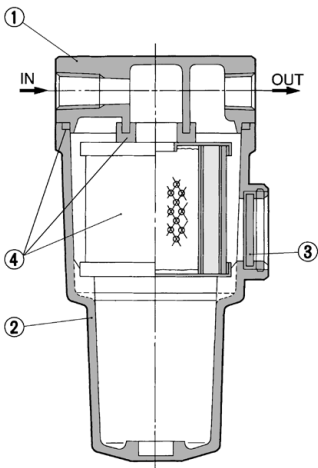
The body/housing is degreased, and the
grease used for the parts requiring
lubrication has been changed to white
vaseline.

Construction

AMF150C to 550C



AMF650/850



Component Parts

No.	Description	Material	Note
1	Body	Aluminum alloy	Inner/outer surface coating
2	Housing (Case)	Aluminum alloy	
3	Sight glass	Tempered glass	—

Note) Sight glass is indicated in the figure for easy understanding of component parts. However, it differs from the actual construction. Refer to dimensions on pages 262 to 264 for details.

Replacement Parts

No.	Description	Material	Applicable model	Model						
				AMF150C	AMF250C	AMF350C	AMF450C	AMF550C	AMF650	AMF850
4	Element assembly	Glass fiber, others	Except option F	AMF-EL150	AMF-EL250	AMF-EL350	AMF-EL450	AMF-EL550	AMF-EL650	AMF-EL850
			For option F	AMF-EL150-F	AMF-EL250-F	AMF-EL350-F	AMF-EL450-F	AMF-EL550-F	—	—

• Element assembly: With gasket (1 pc.) and O-ring (1 pc.)

HAA
HAW
AT
IDF
IDU
IDF
FS
IDFA
IDFB
IDH
ID
IDG
IDK
AMG
AFF
AM
AMD
AMH
AME
AMF
ZFC
SF
SFD
LLB
AD
GD