Compressed Air Cleaning Filter Series

For Water, Solid/Oil Separation and Deodorization
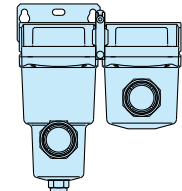
Modular connection, Space-saving design, Labor-saving in piping! (AMG□C, AFF□C, AM□C, AMD□C / AMH□C, AME□C, AMF□C)

Uses the same spacer as the F.R.L. combination AC series.
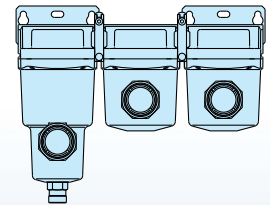Possible to make a modular connection with products such as AR series regulator.

Modular connection example

Spacer Note)

Note) Spacer with bracket cannot be mounted.
Use the attached bracket.

AMH + AME

AMH + AME + AMF

∗ The C type is only suitable for modular connection.

Options added (AMG□C, AFF□C, AM□C, AMD□C / AMH□C, AME□C, AMF□C)

Addition: **5** types

Differential pressure switch

| 1.6 MPa specifications |
| With differential pressure switch (125 VAC, 30 VDC) |
| With differential pressure switch (30 VDC) |
| Degreasing wash, white vaseline specifications |

Fluororubber specifications

Compact, Lightweight (AME□C, AMF□C)

Height and mass reduced by up to **40**%

New

Conventional

Water Separation
Water Separator/**AMG**

Solid/Oil Separation
Main Line Filter/**AFF**
Mist Separator/**AM**
Micro Mist Separator/**AMD**
Micro Mist Separator with Pre-filter/**AMH**
Super Mist Separator/**AME**
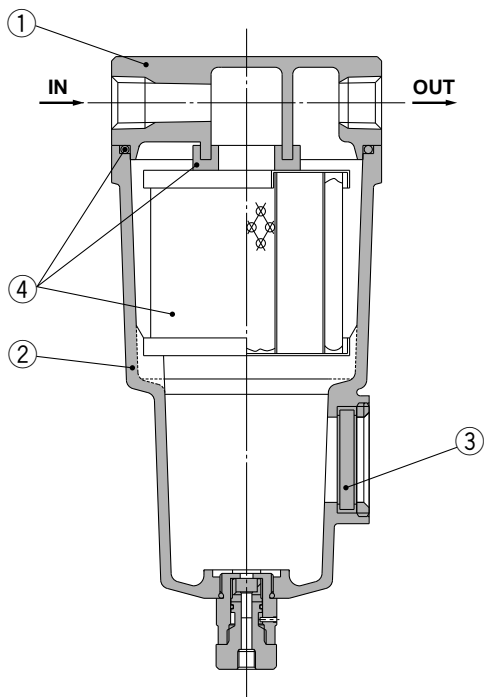
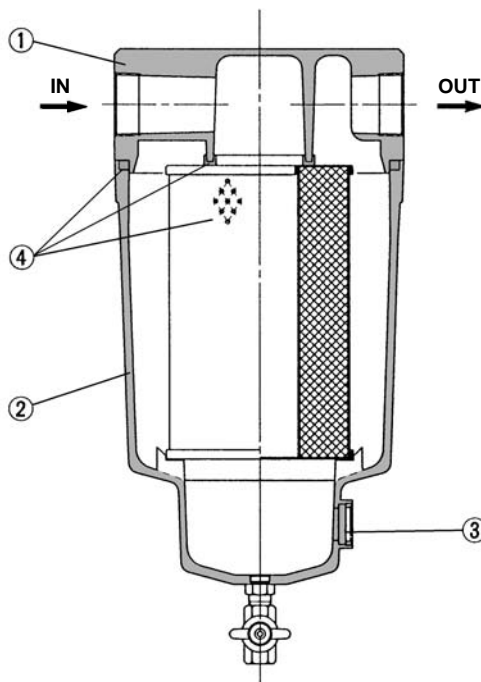### Deodorization
Odor Removal Filter/**AMF**

Series AM□/AFF

SMC

Construction

AMG150C to 550C, AMG650

IN → OUT →

④
④
②
③

AMG850

IN → OUT →

①
④
②
③

Component Parts

No.	Description	Material	Note
1	**Body**	Aluminum die-casted	Chrome treated Epoxy coating on inner surface
2	**Housing**	Aluminum die-casted※	
3	**Sight glass**	Tempered glass	—

∗ The AMG850 is aluminum casted.

📖 Note) Refer to "How to Order Bowl Assembly" on page 63.

🔍 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 7 through to 9 for details.
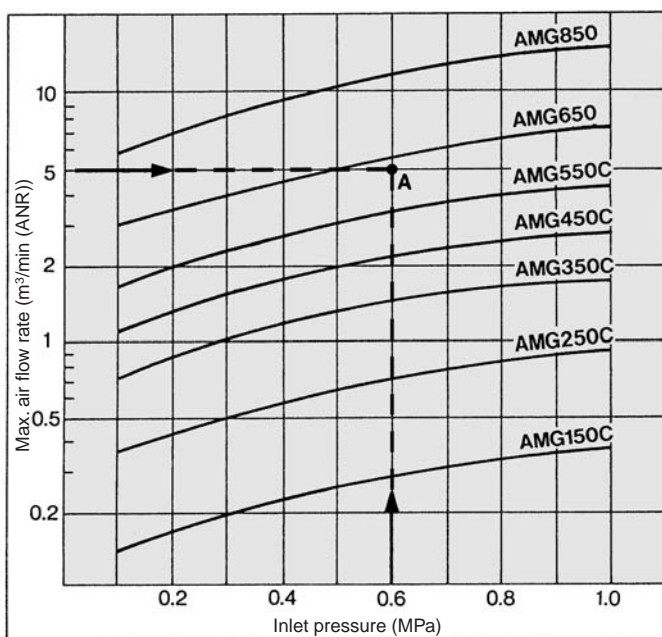
Replacement Parts

No.	Description	Material	Applicable model	Model						
				AMG150C	**AMG250C**	**AMG350C**	**AMG450C**	**AMG550C**	**AMG650**	**AMG850**
4	**Element assembly**	Resin, others	Except option F	AMG-EL150	AMG-EL250	AMG-EL350	AMG-EL450	AMG-EL550	AMG-EL650	AMG-EL850
			For option F	AMG-EL150-F	AMG-EL250-F	AMG-EL350-F	AMG-EL450-F	AMG-EL550-F	—	—

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

∗ Refer to back page 6 for replacement of auto drain.

∗ Element assemblies for Made to Order (X12, X15, X20, X26) are same as those for standard (see the above table).

Maximum Air Flow

Model Selection

Select a model in accordance with the following procedure taking the inlet pressure and the max. air flow rate into consideration.

(Example) Inlet pressure: 0.6 MPa
Max. air flow rate: 5 m³/min (ANR)

1. Obtain the intersecting point A of inlet pressure and max. air flow rate in the graph.

2. The AMG650 is obtained when the max. flow line is above the interecting point A in the graph.

🔍 Note) Make sure to select a model that has the max. flow line above the obtained intersecting point. With a model that has the max. flow line below the obtained intersecting point, the flow rate will be exceeded, thus leading to a problem such as being unable to satisfy the specifications.

SMC

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