WATER SEPARATOR

PRECISION FILTER

MAM G

MAM B D M F



MAMG

EWS

Water separator

Removal rate 99%±1



Separating the water droplet with a special filtration in the compressed air. * cannot remove moisture.

MAMB

E3

3 μm

Filtration efficiency 99%



Removing the impurities which the particles are bigger than 3μm in compressed air, and extending the life of precision filter in the down-stream, then preventing trouble with the equipment.

MAMD

E03

0.3 μm

Filtration efficiency 99.9%



Removing the oil mist and impurities which the particles are bigger than 0.3μm in compressed air.

MAMM

E001

0.01 μm

Filtration efficiency 99.9%



Removing the oil mist and impurities which the particles are bigger than 0.01μm in compressed air. The filter can be applied to requirement of high purity and extremely low oil mist.

MAMF

E001D

0.01 μm + Deodorization

Filtration efficiency 99.9%



Adsorbing the order and efficiently removing oil mist with an activated carbon element in compressed air. The filter can be applied to requirement of high purity and oil-free, such as precision painting operations.

* Assembling a MAMD series as pre-filter to extend the life of activated carbon.

Body & Port size

[Rc, G, NPT thread]

MAM*25 1/4, 3/8
MAM*35 3/8, 1/2
MAM*45 1/2, 3/4
MAM*55 3/4, 1

Model & Filter element

Water separator

MAMG

Precision filter

MAMB 3 μm
MAMD 0.3 μm
MAMM 0.01 μm
MAMF 0.01 μm + Deodorization

Maintenance

Replace filter element at least once per year or when pressure drop reaches 0.07 MPa.
(E001D every 6 months)





(Option)

Differential pressure indicator

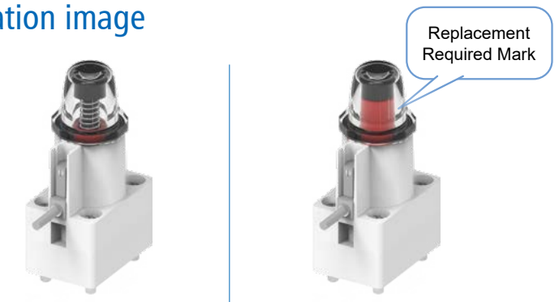
Double-check with a **Sensor Switch** and an indicator to achieve preventative maintenance.

⚠ Caution

This product can't be operated in a location in which pulsations frequently occur.

The indicator is only available with Indicator (Q) and Indicator with switch (QR) models.

Operation image



Initial (No clogging)

Replacement recommended

An indicator that can confirm intuitively.
A clear cover and colorful lamp enables high visibility.
A mark that help you know when it is time to replace the filter element.

Sensor switch (Option)



RDC(V), RQC(V)
Non-contact, NPN & PNP, N.O.
Operating voltage: 5~30V DC
Switching current: 80mA max.

* Refer to RDC series.

A hint for preventative maintenance

Generally speaking, the filter element should be replaced about once a year. This is just a guideline. The air cleanliness of the secondary side depends on working conditions. To keep your system at optimal conditions, we recommend that

Customers replace filter elements regularly / follow the Replacement mark

Modular combination example (Option)

Model	Joiner set	Air unit	Shutoff valve	Soft start-up valve
MAM*25	BS-MACP403	MA*401-W MA*403	MVHR400	MAVS400
MAM*35				
MAM*45	BS-MACP501	MA*501	–	–
MAM*55				

● Space-saving ● Various combinations available ● Easy assembly (DIY)

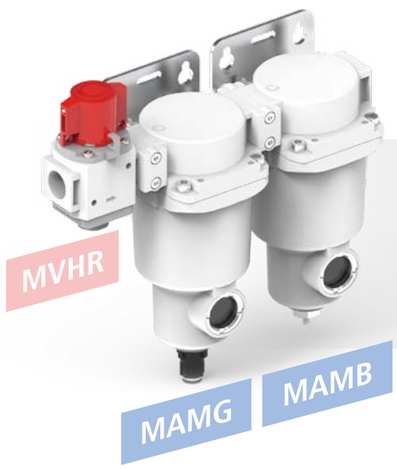


EXAMPLE

MAMG35 + **MAMB35** + **MAVS400**

Water separator | 3 μm | Shutoff valve

Applicable to the dangerous pneumatic machinery. The valve will control the pressure to increase gradually when the air supply start up, which avoids the accident and machinery damage caused by the sudden action of the actuators.



EXAMPLE

MVHR400 + **MAMG35** + **MAMB35**

Shutoff valve | Water separator | 3 μm

Applicable to the pneumatic circuit to switch the air supply on and off promptly and release residual pressure while the valve is off.



EXAMPLE

MAMG45 + **MAMB45**

Water separator | 3 μm

Applicable to the main line of the pneumatic circuit or the instance of low compressed air quality demand. For example, the main circuit of the pneumatic system in the factory.

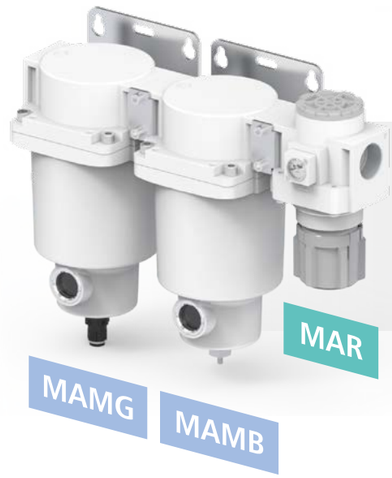
EXAMPLE

MAMB45 + **MAMD45** + **MAMM45**

3 μm | 0.3 μm | 0.01 μm

Applicable to the instance of high compressed air quality demand.





EXAMPLE

MAMG55 + **MAMB55** + **MAR501**

Water separator | 3 μm | Regulator

Applicable to the instance of pressure regulation requirement. For example, automation industry and machine tool.

EXAMPLE

MAMG55 + **MAMB55** + **MAL501**

Water separator | 3 μm | Lubricator

Applicable to the instance of lubrication requirement. For example, automation industry and machine tool.

