



Order example

MAMG45 – 15A – D – □

MODEL

BODY SIZE	PORT SIZE
35	10A:3/8 15A:1/2
45	15A:1/2 20A:3/4
55	20A:3/4 25A:1

PORT THREAD

Blank: Rc thread
G: G thread
NPT: NPT thread

Blank: Semi-automatic drain valve

D: Auto drain valve (FMRF300)

G: Water separator (Removal rate 99%)

B: 3 μm

D: 0.3 μm

M: 0.01 μm

F: 0.01 μm + Deodorization (*)

* Assembling a MAMD series as pre-filter of activated carbon.

Specification

Model	MAM*35		MAM*45		MAM*55	
Bore No.	10A	15A	15A	20A	20A	25A
Port size	3/8	1/2	1/2	3/4	3/4	1
Medium	Air					
Operating pressure range (*1)	0.05~1 MPa					
Proof pressure	1.5 MPa					
Ambient temperature	- 5~+60°C (No freezing)					
Filter element	MAMG: Water separator (Removal rate 99%) MAMB: 3μm MAMD: 0.3μm MAMM: 0.01μm MAMF: 0.01μm+Deodorization (*2)					
Attachment	L-type bracket					
Weight	870 g		1450 g		2250 g	

*1. Standard unit contains semi-auto-drain function when operating pressure below 0.05 MPa.

Choose auto-drain FMRF300, the pressure range is 0.15~1 MPa.

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

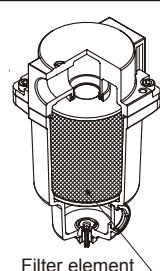
MAMG Series Water removal rate

Condition of inlet air	
Temperature (°C)	34.2
Pressure (MPa)	0.6
Liquid water content (g/m ³)	106.8
Water removal rate (%)	99±1

$$\text{Water removal rate (\%)} = \frac{\text{Removed water (water droplet) g}}{\text{Inflowed water (water droplet) g}} \times 100$$

* Water separator can remove water droplets, but it cannot remove moisture.

Selector table – Filter element

Model	Port size	Filter element *1	Residual oil content *2	Nominal flow capacity l/min(ANR) ^{*3}	Symbol for order	Features / Cautions	Maintenance
MAMG35	3/8, 1/2	EWS: water separator (removal rate 99%)	-	1350	EWS-G35	Separating the water droplet with a special filtration in the compressed air. * cannot remove moisture.	 <p>Filter element</p>
MAMG45	1/2, 3/4			2100	EWS-G45		
MAMG55	3/4, 1			3600	EWS-G55		
MAMB35	3/8, 1/2	E3: 3μm (filtration efficiency 99%)	-	1350	E3-B35	Removing the impurities which the particles are bigger than 3um in compressed air, and extending the life of precision filter in the down-stream, then preventing trouble with the equipment.	
MAMB45	1/2, 3/4			2100	E3-B45		
MAMB55	3/4, 1			3600	E3-B55		
MAMD35	3/8, 1/2	E03: 0.3μm (filtration efficiency 99.9%)	< 0.1 mg/m ³	1350	E03-D35	Removing the oil mist and impurities which the particles are bigger than 0.3um in compressed air.	
MAMD45	1/2, 3/4			2100	E03-D45		
MAMD55	3/4, 1			3600	E03-D55		
MAMM35	3/8, 1/2	E001: 0.01μm (filtration efficiency 99.9%)	< 0.01 mg/m ³	1000	E001-M35	Removing the oil mist and impurities which the particles are bigger than 0.3um in compressed air. The filter can be applied to requirement of high purity and extremely low oil mist.	Replace filter element at least once per year or when pressure drop reaches 0.07 MPa.
MAMM45	1/2, 3/4			2000	E001-M45		
MAMM55	3/4, 1			3600	E001-M55		
MAMF35	3/8, 1/2	E001D: 0.01μm + Deodorization (filtration efficiency 99.9%)	< 0.005 mg/m ³	1000	E001D-F35	Adsorbing the odor 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 or food and medical equipment. * Assembling a MAMD series as pre-filter to extend the life of activated carbon.	Replace filter element at least every 6 months or when pressure drop reaches 0.07 MPa.
MAMF45	1/2, 3/4			2000	E001D-F45		
MAMF55	3/4, 1			3600	E001D-F55		

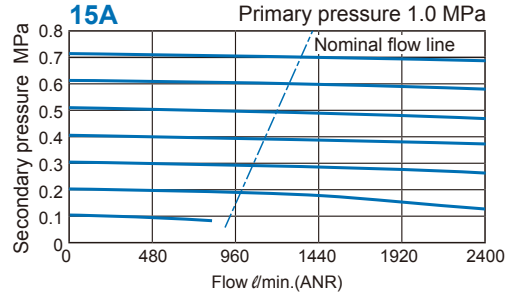
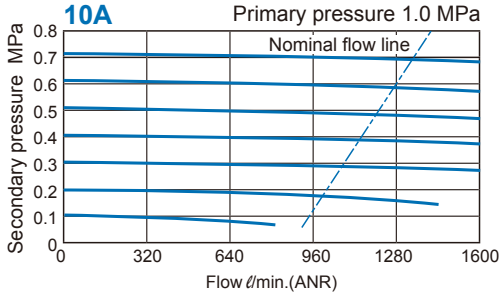
*1. Tested according to ISO8573.

*2. Tested according to ISO12500-1, inlet concentration 10mg/m³.

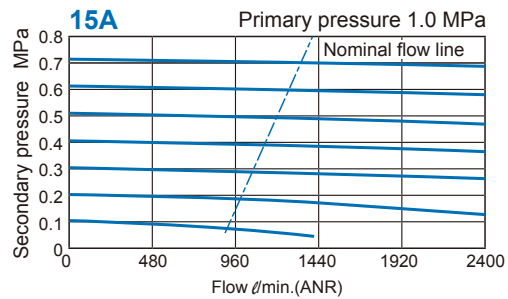
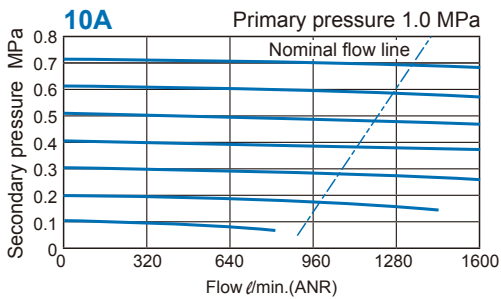
*3. Nominal flow capacity is at 0.7Mpa, and it varies depending on the operating pressure. If flow rate is over nominal flow capacity, may not meet the specifications of the product.

⚠ If flow rate is over nominal flow capacity, may not meet the specifications of the product.

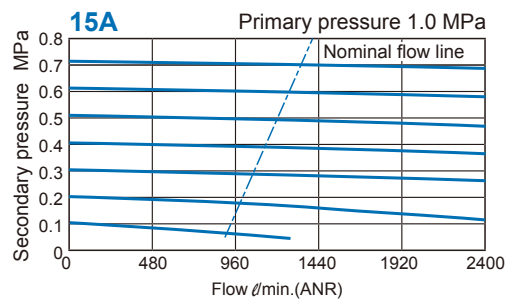
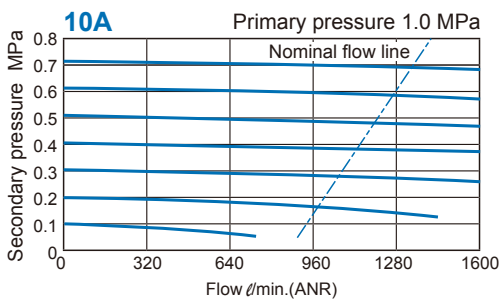
MAMG35 Filter element: Water separator (Removal rate 99%)



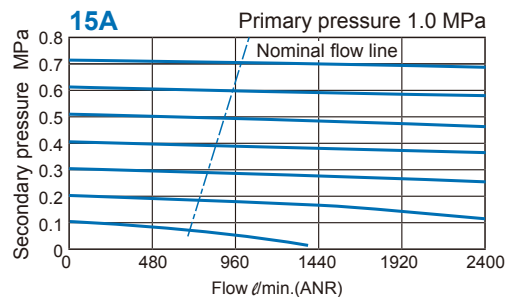
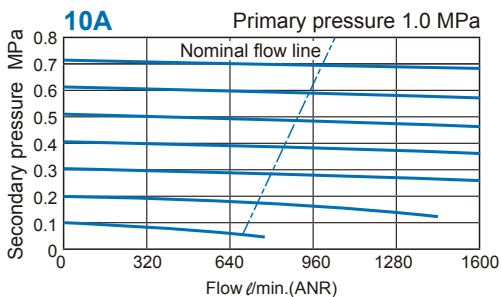
MAMB35 Filter element: 3 μm



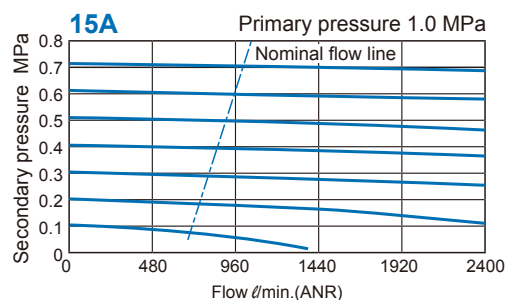
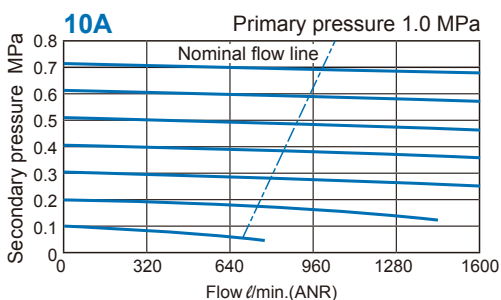
MAMD35 Filter element: 0.3 μm



MAMM35 Filter element: 0.01 μm

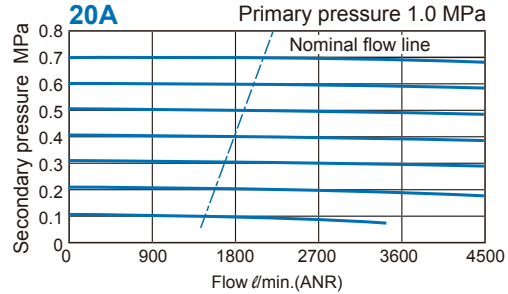
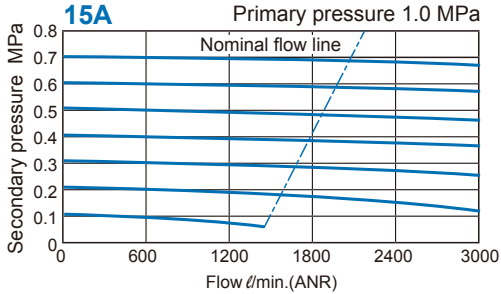


MAMF35 Filter element: 0.01 μm + Deodorization

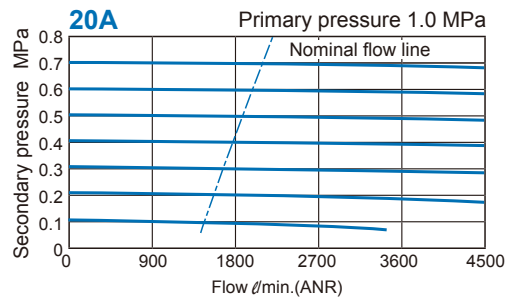
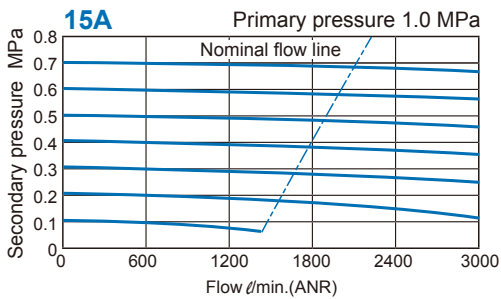


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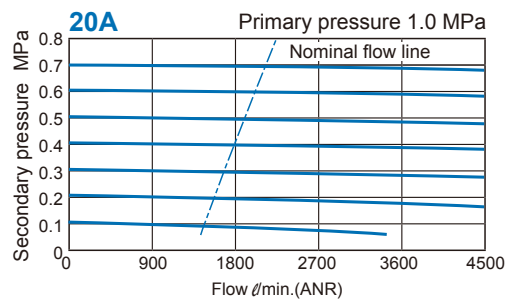
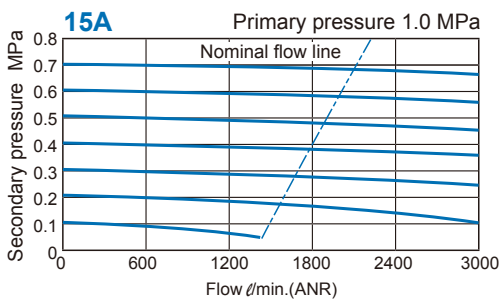
MAMG45 Filter element: Water separator (Removal rate 99%)



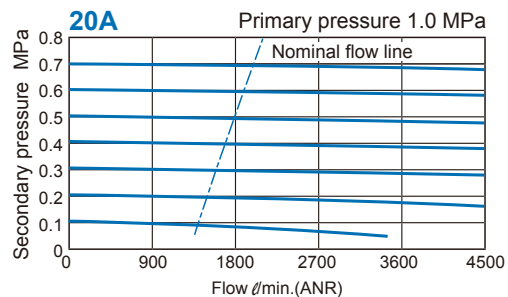
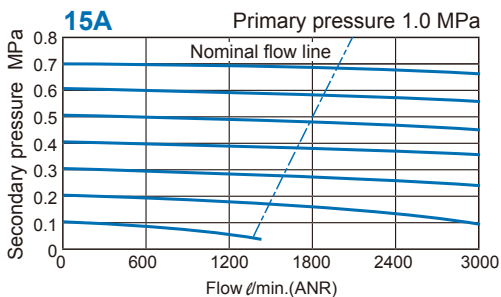
MAMB45 Filter element: 3 μm



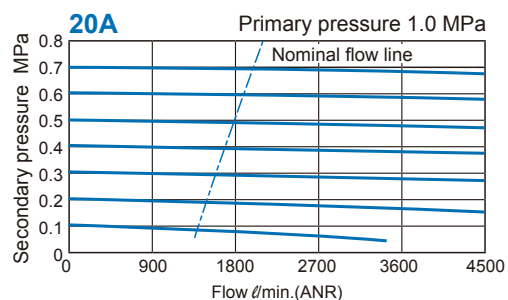
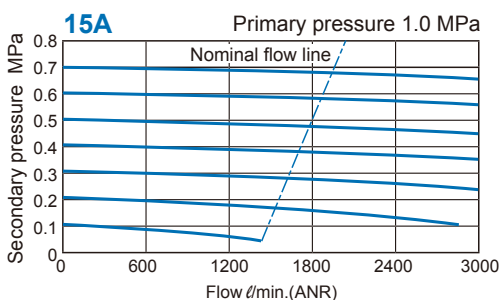
MAMD45 Filter element: 0.3 μm



MAMM45 Filter element: 0.01 μm

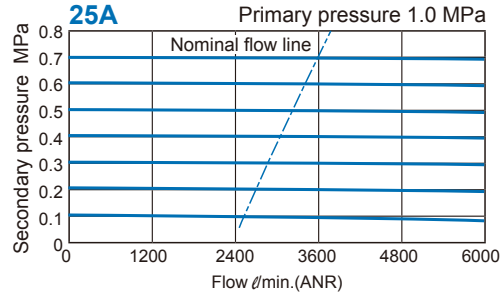
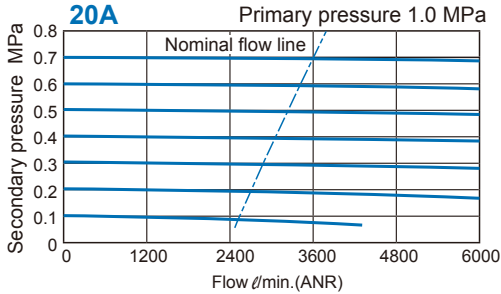


MAMF45 Filter element: 0.01 μm + Deodorization

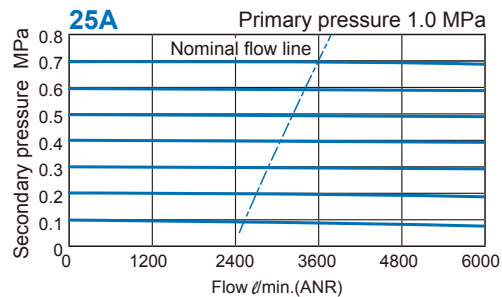
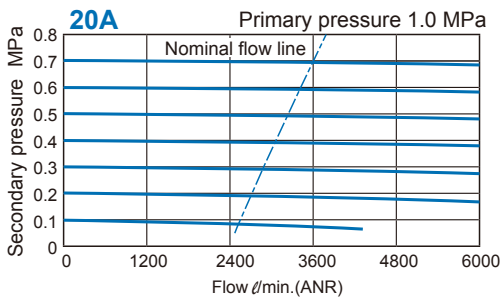


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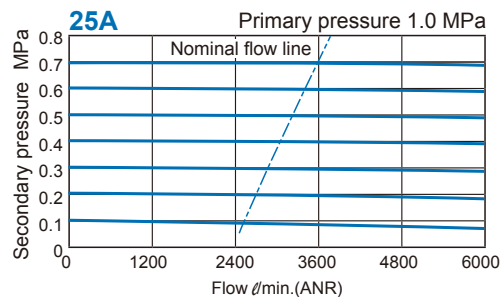
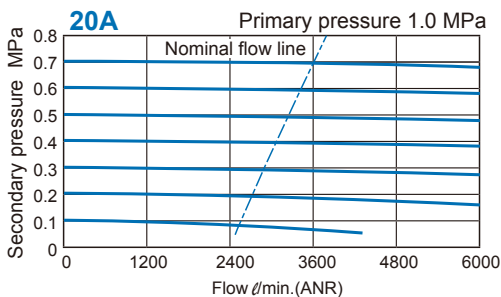
MAMG55 Filter element: Water separator (Removal rate 99%)



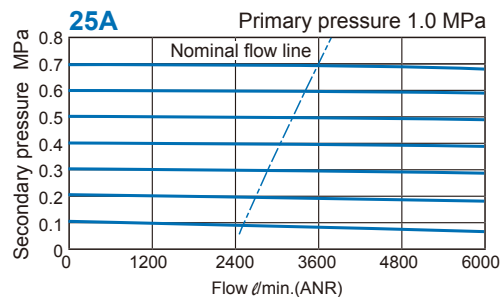
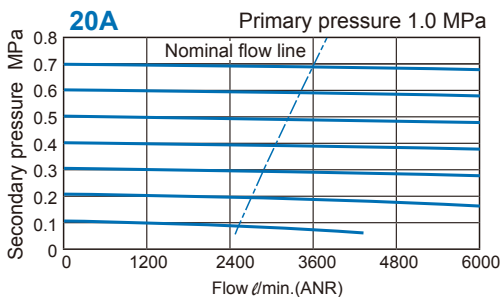
MAMB55 Filter element: 3 μm



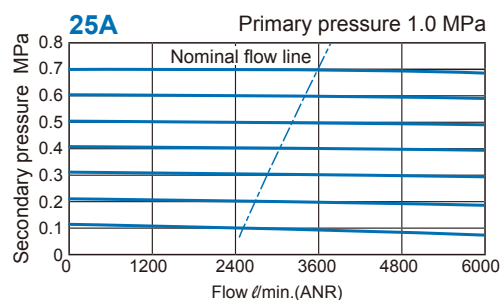
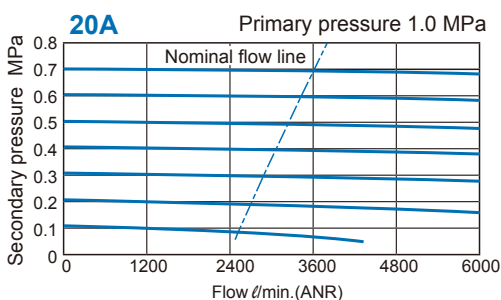
MAMD55 Filter element: 0.3 μm



MAMM55 Filter element: 0.01 μm



MAMF55 Filter element: 0.01 μm + Deodorization



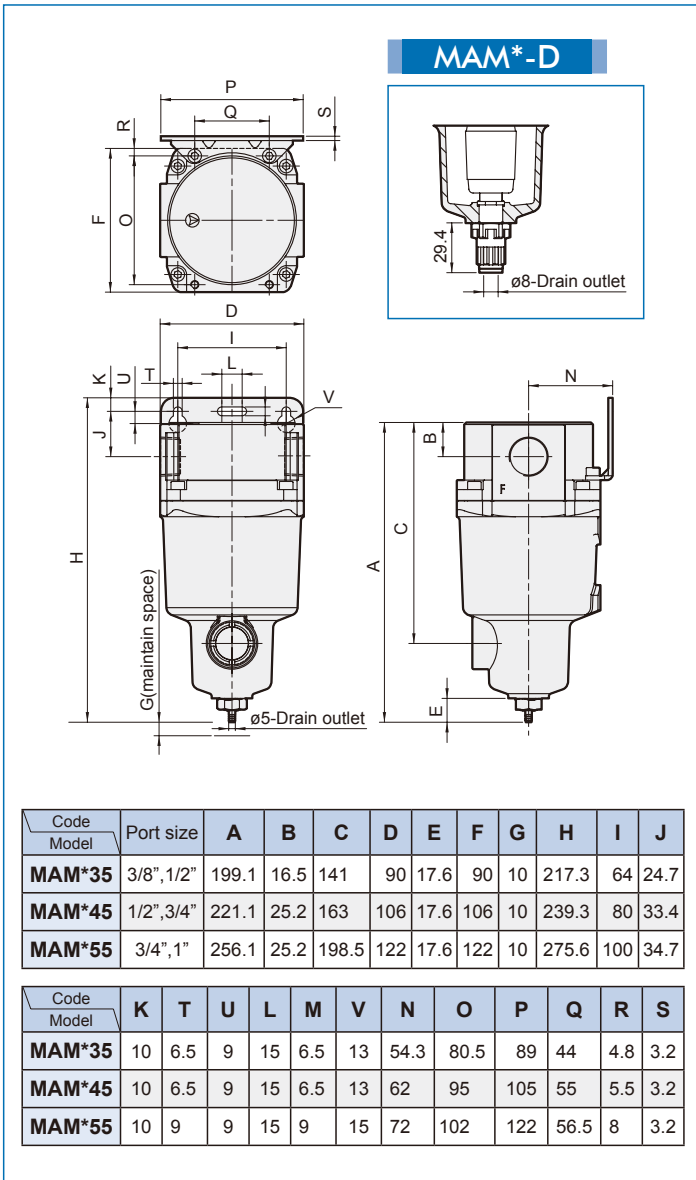
AIR UNIT (FILTER)

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

Available components

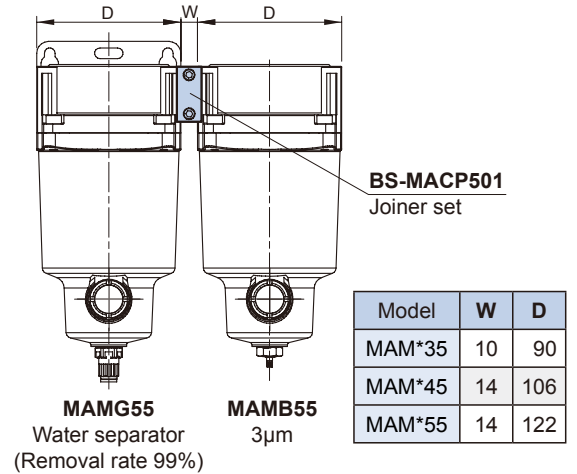
Model	Joiner set	Air unit
MAM*35	BS-MACP403	MA*401-W MA*403
MAM*45	BS-MACP501	MA*501
MAM*55		

Dimensions

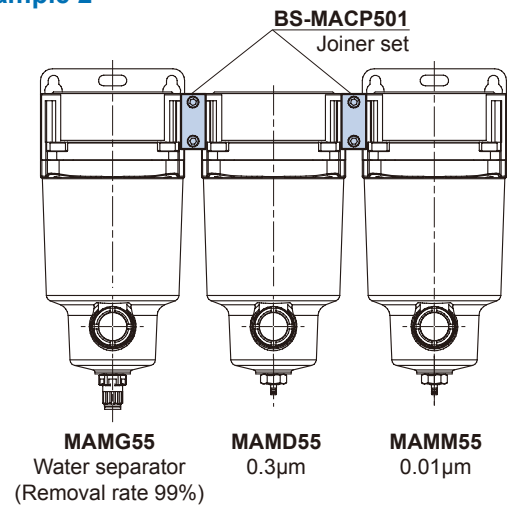


Modular combination example

Example 1



Example 2



Example 3

