MAMG series

AIR UNIT (WATER SEPARATOR)

mindman

Features

Selection table

Caution for safety
(Read before installing)



Features

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

Maintenance

Replace filter element at least once per year or when pressure drop reaches 0.07 MPa.

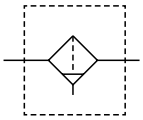
Specification

Model	MAMG							
Body size	25		35		45		55	
Bore No.	8A	10A	10A	15A	15A	20A	20A	25A
Port size	1/4	3/8	3/8	1/2	1/2	3/4	3/4	1
Medium	Air							
Operating perssure range (*)	0.05~1 MPa							
Proof pressure	1.5 MPa							
Ambient temperature	– 5~+60°C (No freezing)							
Filter element	Water separator (Removal rate 99%±1)							
Attchment	L-type bracket							
Sensor switch	RDC(V), RQC(V)							
Weight	610 g		870 g		1450 g		2250 g	

* 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.

Symbol



Order example

MAMG 45 – 15A – D□ – Q – □

MODEL

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

G: Water separator (Removal rate 99%±1)

FLOW DIRECTION
Blank: Left to right
R: Right to left

DRAIN VALVE
Blank: Semi-auto
D: Auto (FMRF300)

Differential Pressure Indicator (*)
Blank: Without
Q: Indicator
QS: Indicator with switch (*)

PORT HREAD
Blank: Rc thread
G: G thread
NPT: NPT thread

* Please add the sensor when selecting Indicator with switch (QS).
* The models without Indicator (Q) and Indicator with switch (QS) type don't have the installation thread holes.

Order example of sensor switch

RDC V – 2M

Model	Auto switch type	Wire length
RDC: Non-contact **RQC**: NPN & PNP configurations*	Blank: Straight cable	**2M**: L=2000mm **QD**: M8, 3 Pin connector **EQD**: M8, 3 Pin connector (Only for RDC)
	V: Angle cable	**2M**: L=2000mm

* Selects the mode based on NPN or PNP wiring configuration. Always turn off power before wiring; never work on live wires.

MAMG series Water removal rate

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

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

Dimensions

Selector table – Filter element

Model	Port size	Filter element	Nominal * flow capacity l/min(ANR)	Symbol for order
MAMG25	1/4, 3/8	Water separator (removal rate 99%±1)	650	**EWS-G25**
MAMG35	3/8, 1/2		1350	**EWS-G35**
MAMG45	1/2, 3/4		2100	**EWS-G45**
MAMG55	3/4, 1		3600	**EWS-G55**

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



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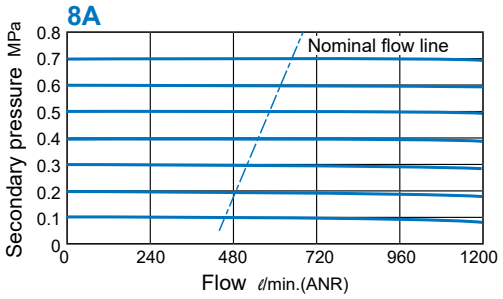
MAMG Capacity

AIR UNIT (WATER SEPARATOR)

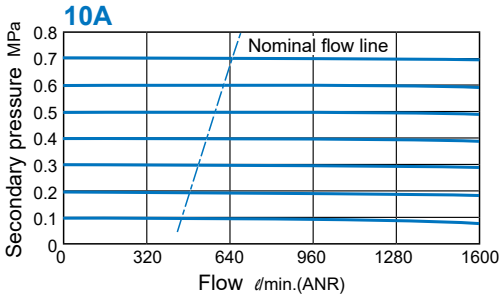
⚠ If flow rate is over nomial flow capacity, may not meet the specifications of the product.

MAMG25

8A

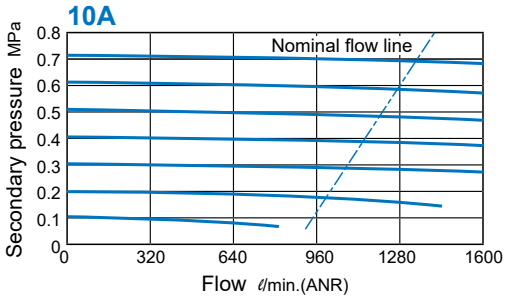


10A

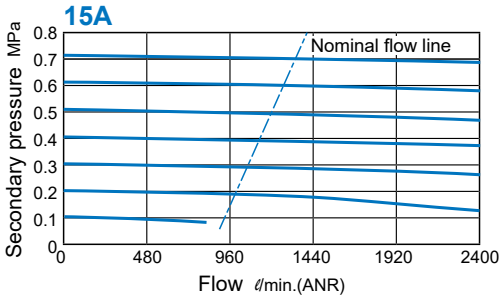


MAMG35

10A

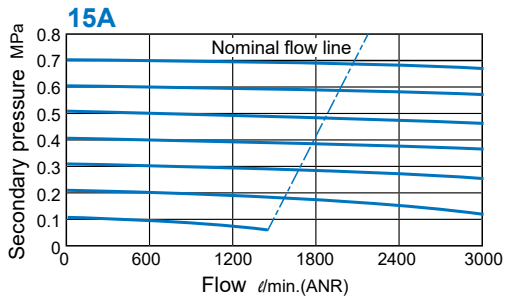


15A

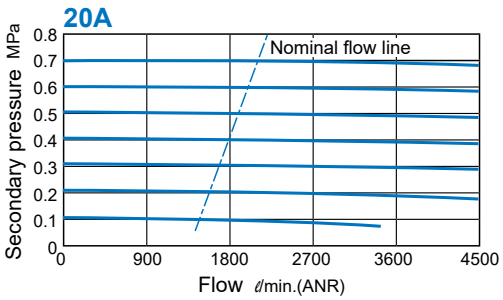


MAMG45

15A

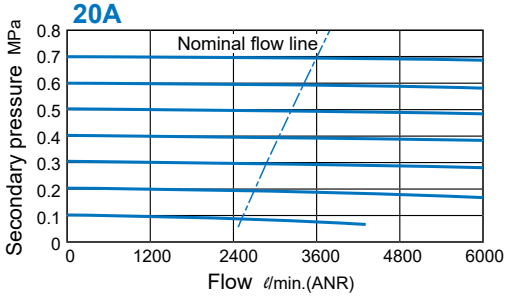


20A

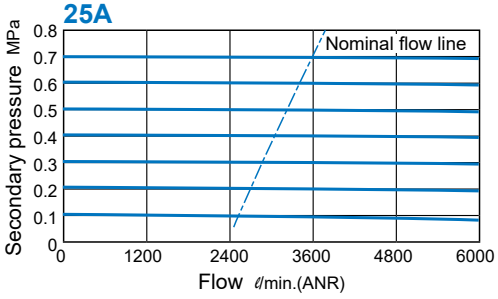


MAMG55

20A

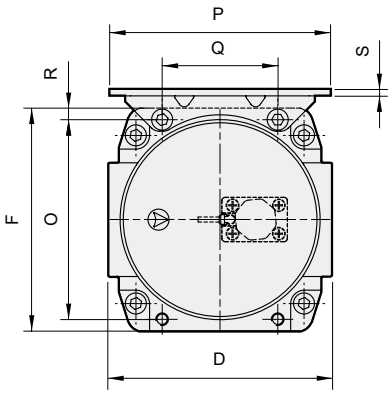


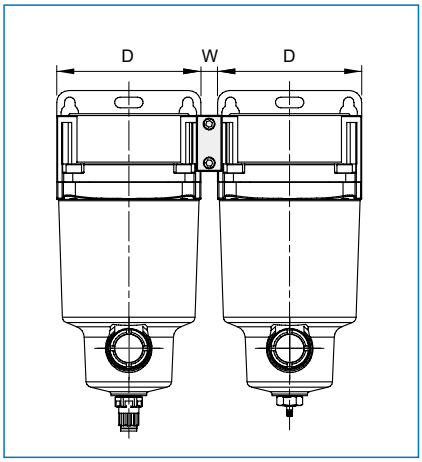
25A

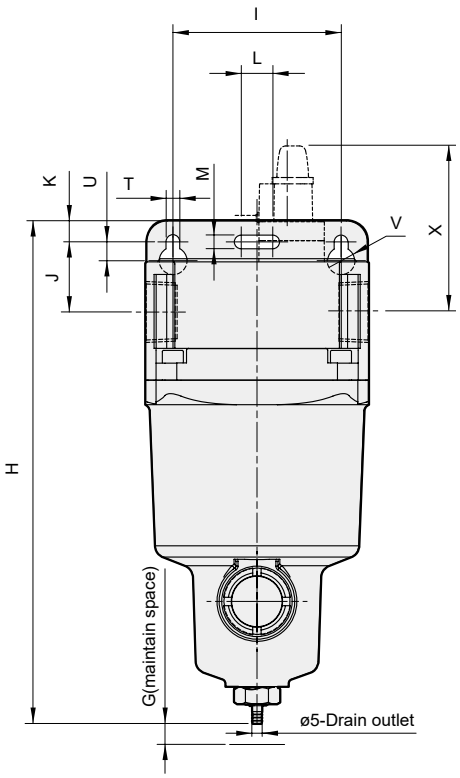


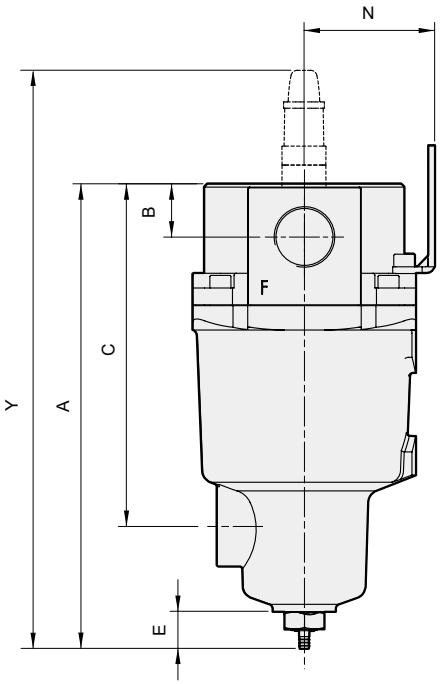
MAM* Dimensions

AIR UNIT (PRECISION FILTER • WATER SEPARATOR)

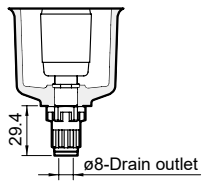








MAM*-D



Code / Model	Port size	A	B	C	D	E	F	G	H	I	J	K	T	U	L	M	V	N	O	P	Q	R	S	W	X	Y
MAM*25	1/4", 3/8"	171.6	16.5	113.5	76	17.6	76	10	187.1	66	24	8	6	6	6	6	10	47	68.5	80	35	3.8	2	10	71.5	226.6
MAM*35	3/8",1/2"	199.1	16.5	141	90	17.6	90	10	218.6	80	28	8	7	7	7	7	12	53.4	80.5	95	44	4.8	2.3	10	71.5	254.1
MAM*45	1/2",3/4"	221.1	25.2	163	106	17.6	106	10	236.9	90	31	10	9	9	9	9	15	62	95	111	55	5.5	3.2	14	80.2	276.1
MAM*55	3/4",1"	256.1	25.2	198.5	122	17.6	122	10	275.6	100	34.7	10	9	9	15	9	15	72	106	122	63	8	3.2	14	80.2	311.1

MAM* Modular combination example

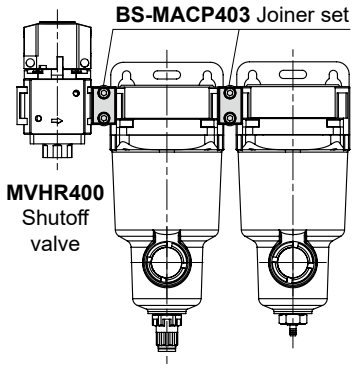
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Available components (Option)

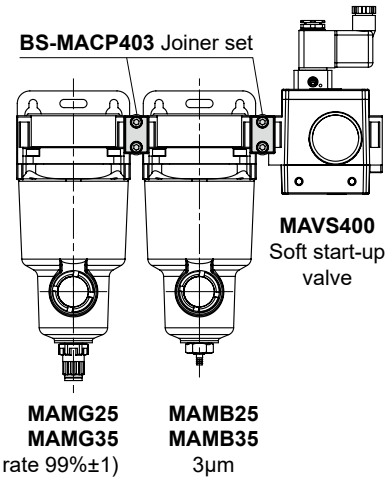
Model	Joiner set	Air unit	Shutoff valve	Soft start-up valve
MAM*25	BS-MACP403	MA*401-W MA*403	MVHR400	MAVS400
MAM*35				
MAM*45	BS-MACP501	MA*501	–	–
MAM*55				

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

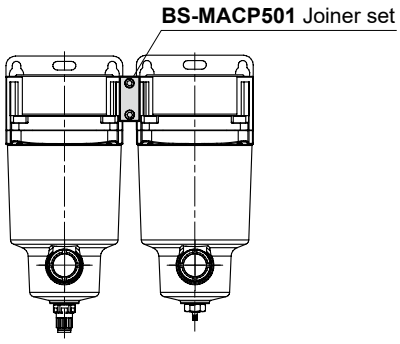
Example 1



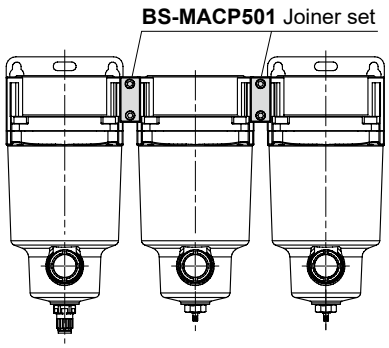
Example 2



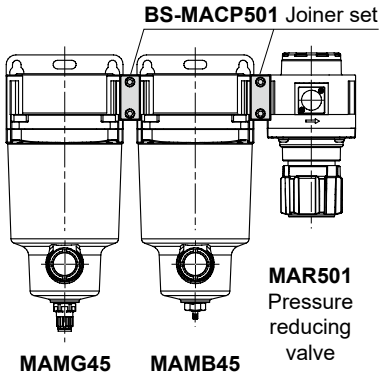
Example 3



Example 4



Example 5



Example 6

