MAMB series 3 μm

AIR UNIT (MAIN LINE FILTER)

mindman

Features

Selection table

Caution for safety
(Read before installing)



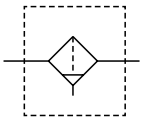
Features

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.

Maintenance

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

Symbol



Specification

Model	MAMB							
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	3 μm							
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.

Order example

MAMB 45 — 15A — D□ — Q — □

- MODEL: **B**: 3 μm
- BODY SIZE / PORT SIZE:

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

- 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.

Selector table – Filter element

Model	Port size	Filter element *1	Nominal*2 flow capacity l/min(ANR)	Symbol for order
MAMB25	1/4, 3/8	**E3**: 3μm (filtration efficiency 99%)	650	**E3-B25**
MAMB35	3/8, 1/2		1350	**E3-B35**
MAMB45	1/2, 3/4		2100	**E3-B45**
MAMB55	3/4, 1		3600	**E3-B55**

*1. Tested according to ISO8573.
*2. 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.

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.



Dimensions

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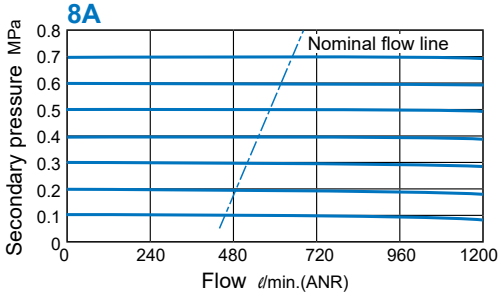
MAMB Capacity

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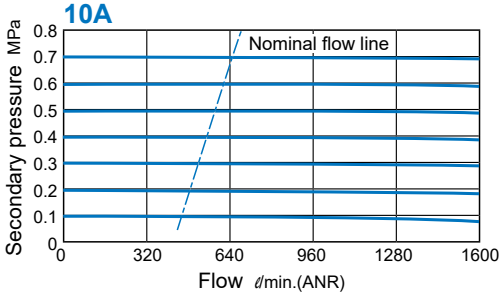
If flow rate is over nomial flow capacity, may not meet the specifications of the product.

MAMB25

8A

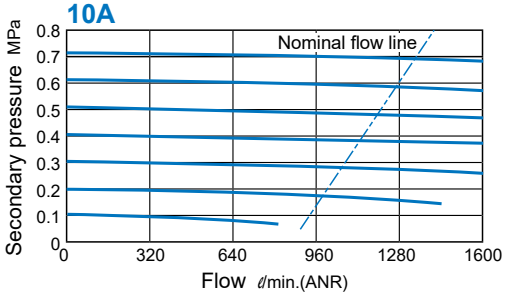


10A

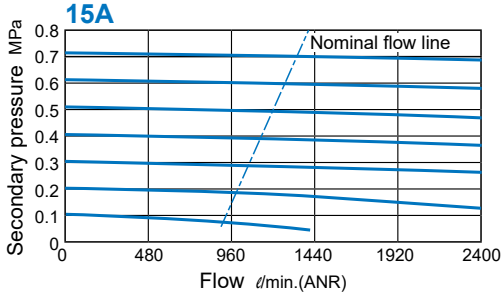


MAMB35

10A

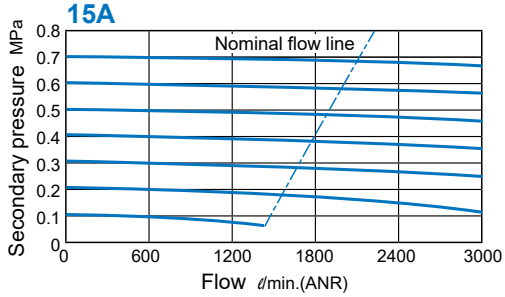


15A

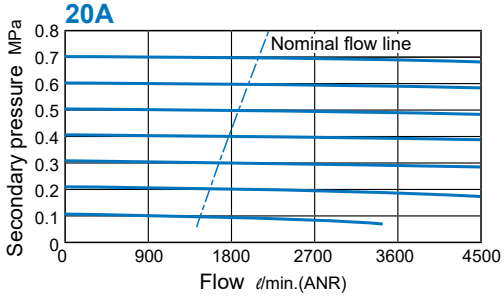


MAMB45

15A

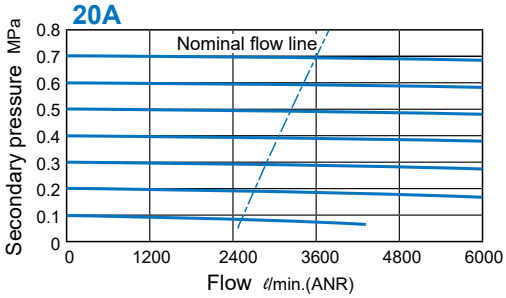


20A

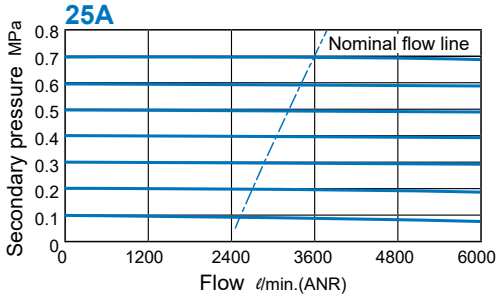


MAMB55

20A

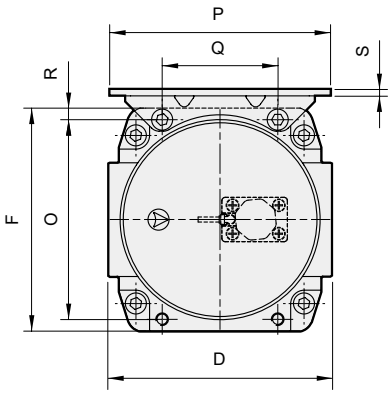


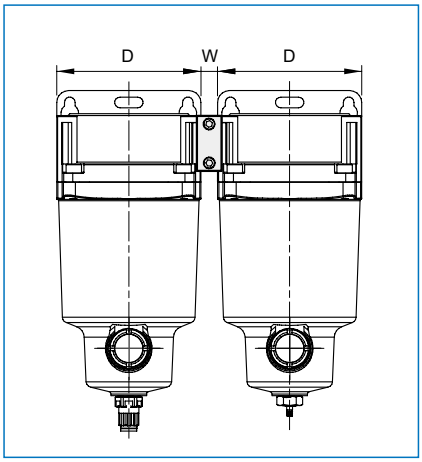
25A

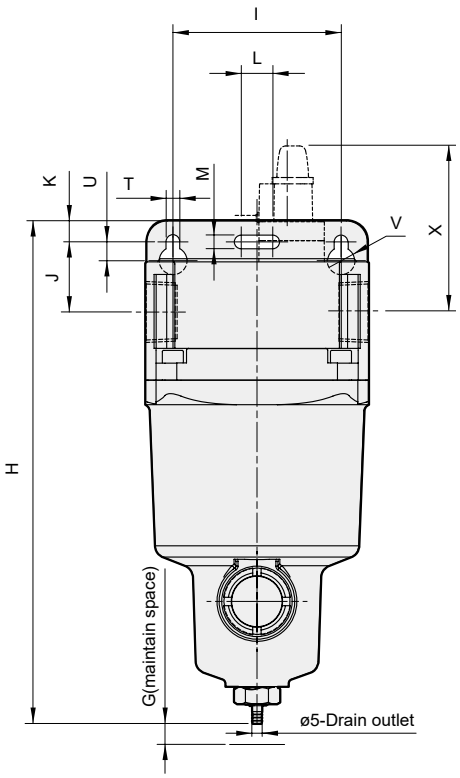


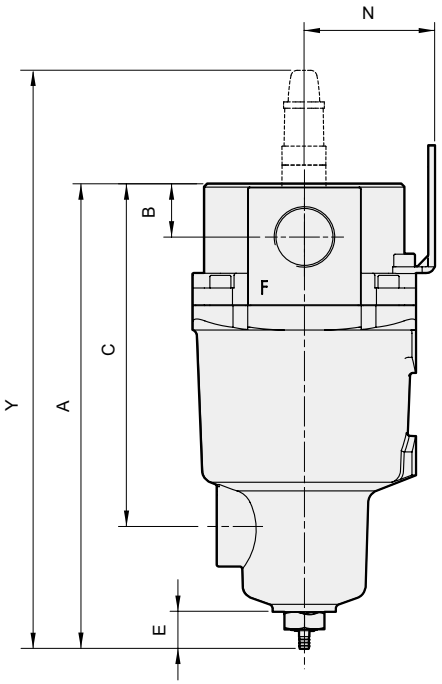
MAM* Dimensions

AIR UNIT (PRECISION FILTER • WATER SEPARATOR)

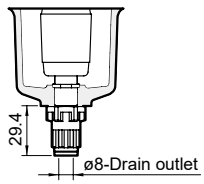








MAM*-D



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

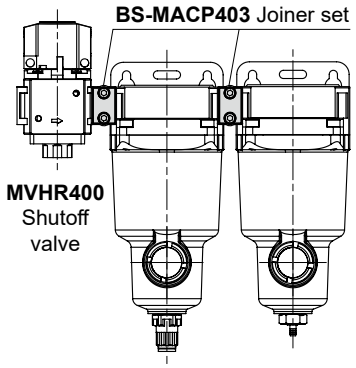
AIR UNIT (PRECISION FILTER • WATER SEPARATOR)

Available components (Option)

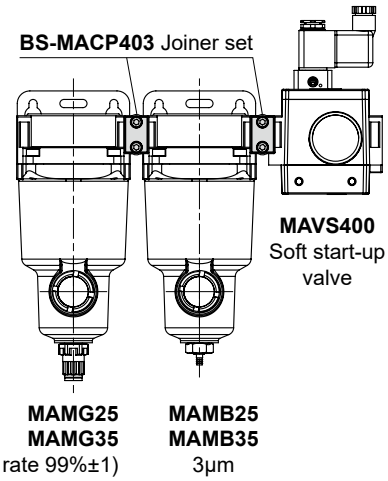
Model	Joiner set	Air unit	Shutoff valve	Soft start-up valve
MAM*25	BS-MACP403	MA*401-W MA*403	MVHR400	MAVS400
MAM*35				
MAM*45	BS-MACP501	MA*501	–	–
MAM*55				

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

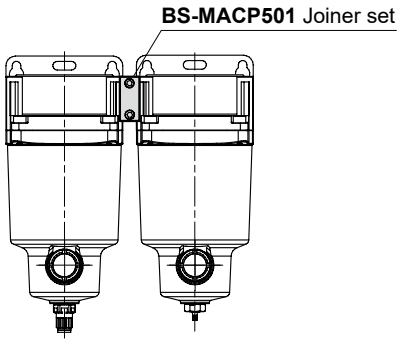
Example 1



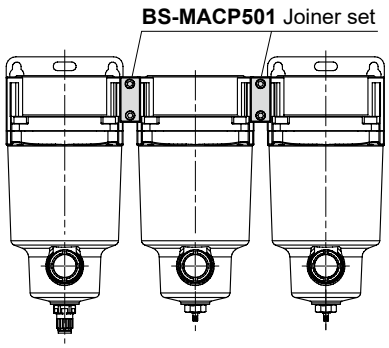
Example 2



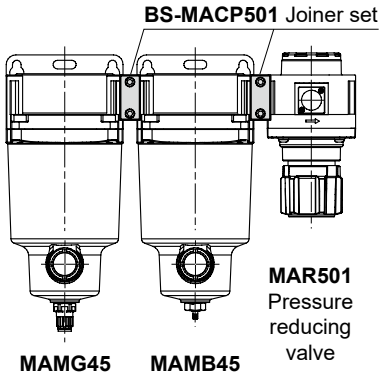
Example 3



Example 4



Example 5



Example 6

