MAF302 series

AIR UNIT (FILTER / WATER SEPARATOR)

mindman

Technical data

Filter element

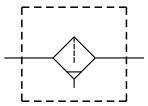
User manual

Caution for safety
(Read before installing)

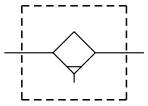


Symbol

Filter



Water separator



Specification

Model	MAF302		
Bore No.	8A	10A	15A
Port size	1/4	3/8	1/2
Medium	Air		
Operating perssure range (*1)	0.05~1 MPa		
Proof pressure	1.5 MPa		
Ambient temperature	– 5~+60°C (No freezing)		
Drain capacity	35 cm^3		
Optional attachment	C type bracket		

Filter	MAF302	
Filter element	Standard: 5μm, Option: 40μm	
Weight	335 g	
Water separator	**MAF302G**	
Water droplet removal ratio (*2)	99±1%	
Rated flow l/min(ANR) (*3)	550	1280
Weight	345 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. This shows the water droplet removal ratio at the rated flow.
*3. Input pressure: 0.7 MPa. When fluid flows exceeding the rated flow, the accumulated condensate may be pulled up and may flow out to outlet side.

Order example

MAF302G – 8A – ND□ – □ – □ – □

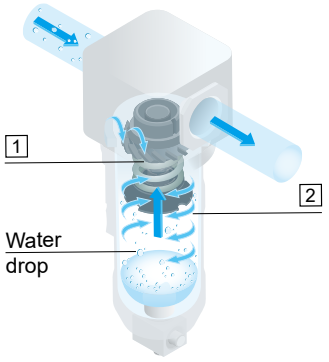
- MODEL
- PORT SIZE: **8A**: 1/4, **10A**: 3/8, **15A**: 1/2
- BOWL: Blank: PC bowl, **M**: Metal bowl, **N**: Nylon bowl
- FLOW DIRECTION: Blank: Left to right, **R**: Right to left
- (*) FILTER ELEMENT: Blank: 5μm, **40u**: 40μm
- PORT THREAD: Blank: Rc thread, **G**: G thread, **NPT**: NPT thread
- Blank: Filter, **G**: Water separator (Removal ratio 99%±1)
- DRAIN VALVE: Blank: Semi-auto, **D**: Auto (FMRF300)
- BRACKET: Blank: without, **B**: C type bracket

* There is not filter element in MAF302G series.

Water separator features

1.Water droplets are removed by centrifugal force.
This product can remove water droplets in the compressed air, but cannot remove moisture content (water vapor).

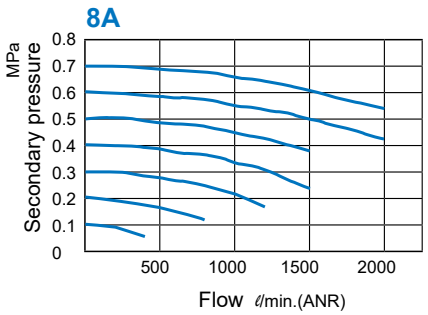
2. Filter element is not needed. Water droplet removal ratio: 99%



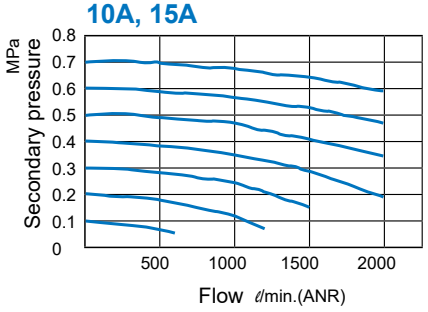
Flow feature

MAF302 (Filter)

8A

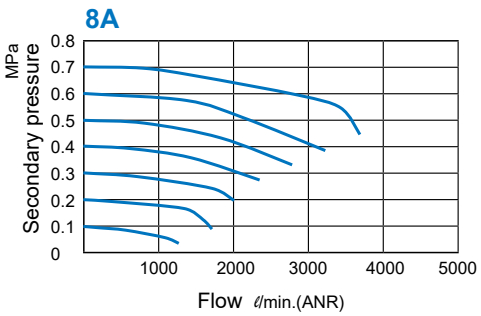


10A, 15A

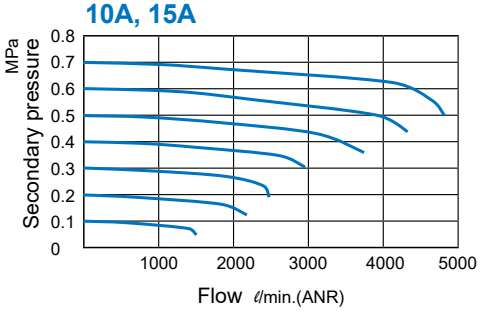


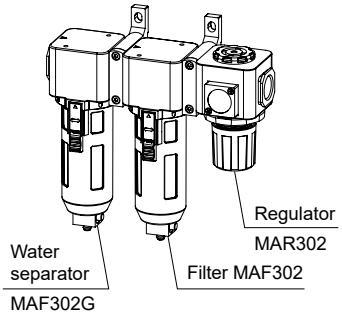
MAF302G (Water separator)

8A



10A, 15A

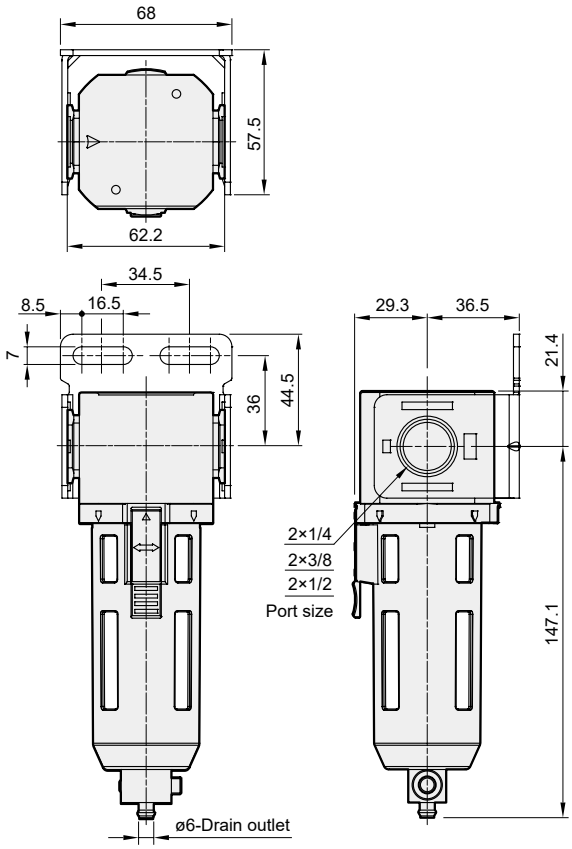




Assembly example

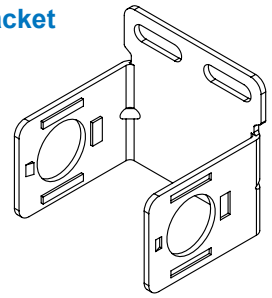
MAF302 Dimensions

AIR UNIT (FILTER / WATER SEPARATOR)



Optional

C type bracket

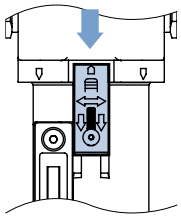


Caution

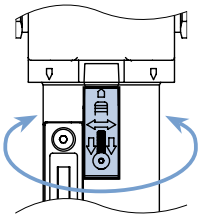
Metal bowl

Before assembling or disassembling, push the lock plate down to the end, and confirm that is detached from the body then rotate the bowl, otherwise the lock plate will be deformed or the body will be scratched.

1.Sliding plate down

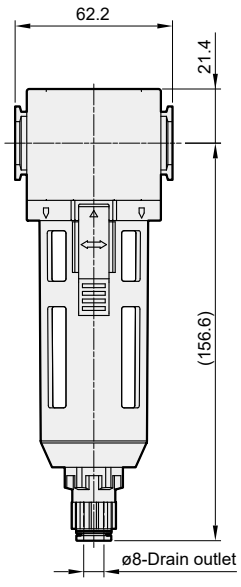


2. Rotating the bowl



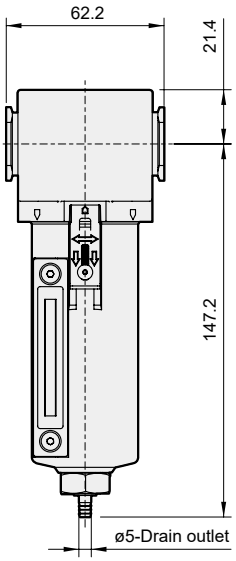
MAF302-D

Auto drain valve



MAF302-M

Metal bowl



MAF302-MD

Metal bowl + Auto drain valve

