

MAF200 series

AIR UNIT (FILTER)



Technical data



Filter element



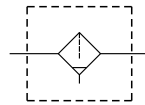
User manual



Caution for safety
(Read before installing)



Symbol

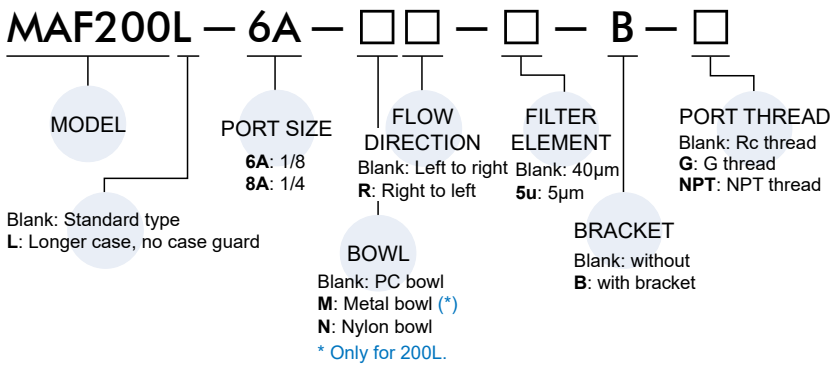


Specification

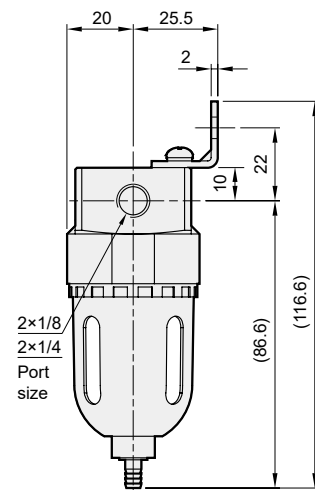
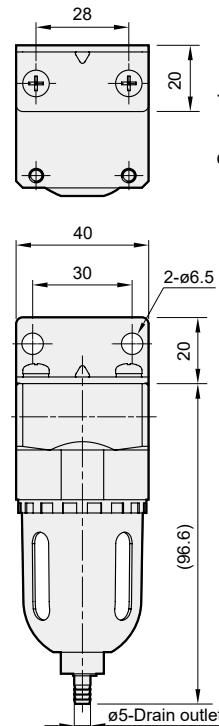
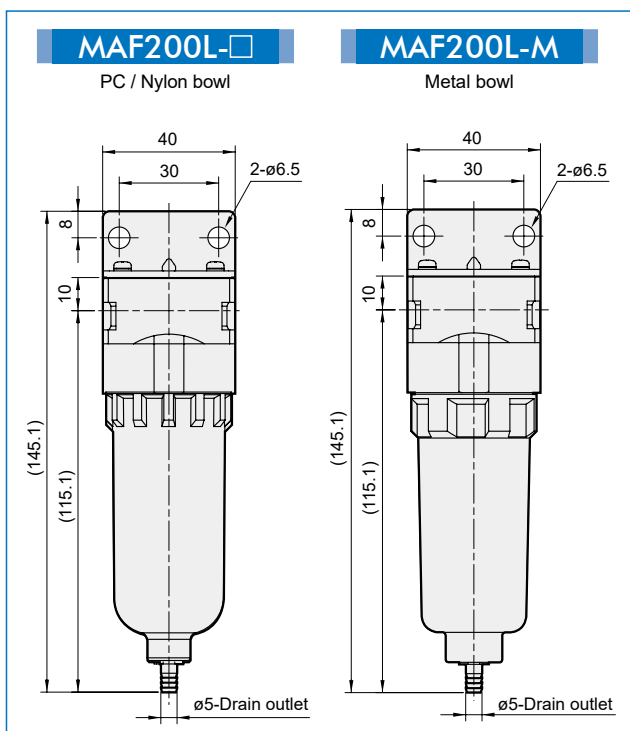
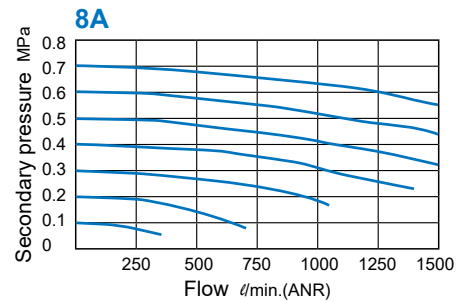
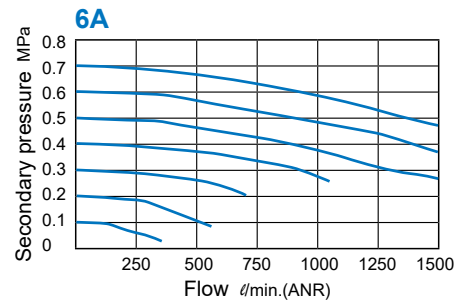
Model	MAF200	
Bore No.	6A	8A
Port size	1/8	1/4
Medium	Air	
Operating pressure range (*)	0.05~1 MPa	
Proof pressure	1.5 MPa	
Ambient temperature	- 5~+60°C (No freezing)	
Filter element	Standard: 40µm, Option: 5µm	
Drain capacity	9.5 cm ³ , 25 cm ³ (MAF200L)	
Optional attachment	L type bracket	
Weight	187 g, 155 g (MAF200L)	

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

Order example



Flow feature



MAF302 series

AIR UNIT (FILTER / WATER SEPARATOR)



Technical data



Filter element



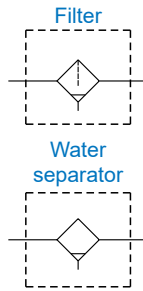
User manual



Caution for safety
(Read before installing)



Symbol



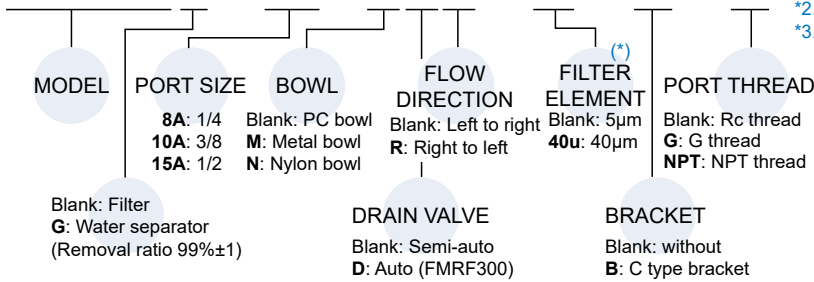
Specification

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	

Order example

MAF302G – 8A – ND□ – □ – □ – □



* There is not filter element in MAF302G series.

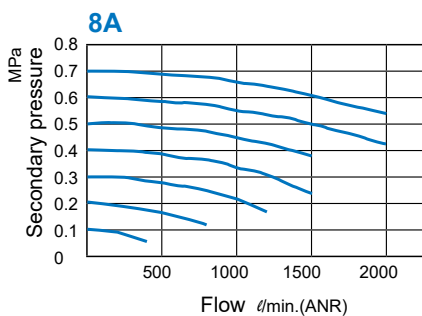
- *1. Standard unit contains semi-auto-drain function when operating pressure below 0.05 MPa. Choose auto-drain FMRF300, the pressure range is 0.15~1 MPa.
- *2. This shows the water droplet removal ratio at the rated flow.
- *3. Input pressure: 0.7 MPa. When fluid flows exceeding the rated flow, the accumulated condensate may be pulled up and may flow out to outlet side.

Water separator features

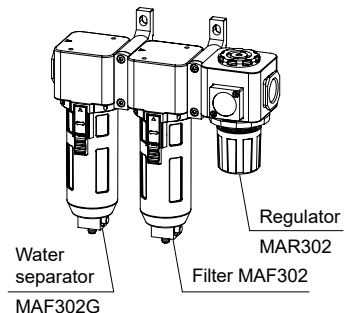
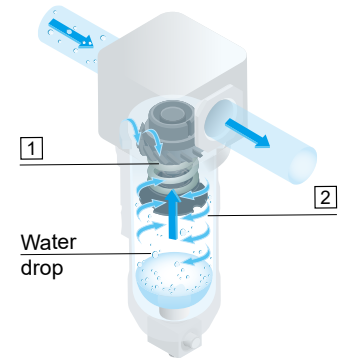
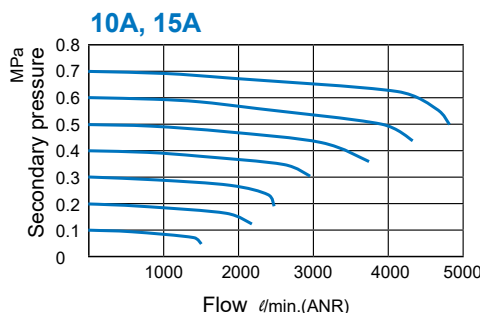
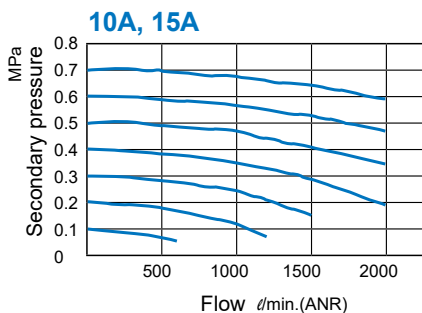
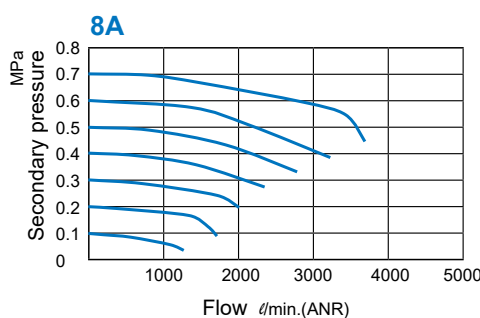
- Water droplets are removed by centrifugal force. This product can remove water droplets in the compressed air, but cannot remove moisture content (water vapor).
- Filter element is not needed. Water droplet removal ratio: 99%

Flow feature

MAF302 (Filter)



MAF302G (Water separator)



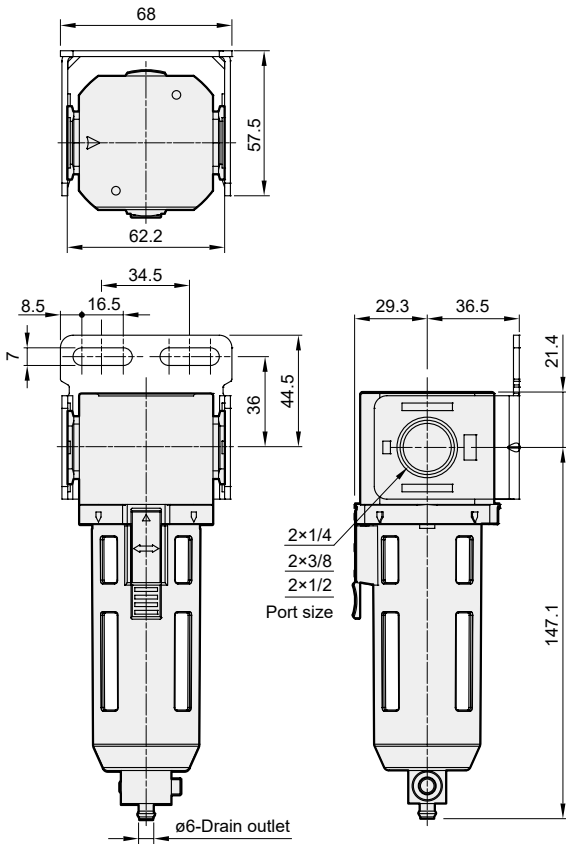
Assembly example

MAF302 Dimensions

AIR UNIT (FILTER / WATER SEPARATOR)

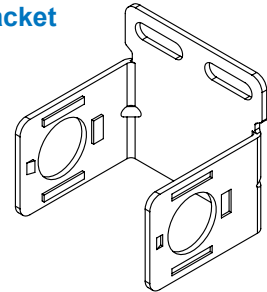


Mindman



Optional

C type bracket

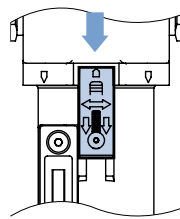


! Caution

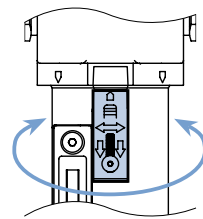
Metal bowl

Before assembling or disassembling, push the lock plate down to the end, and confirm that it 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

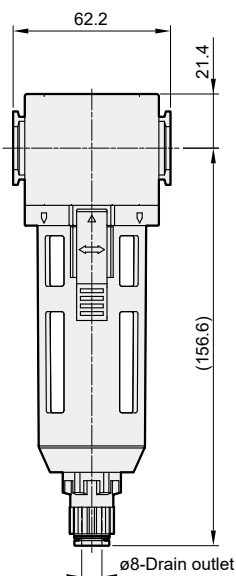


2. Rotating the bowl



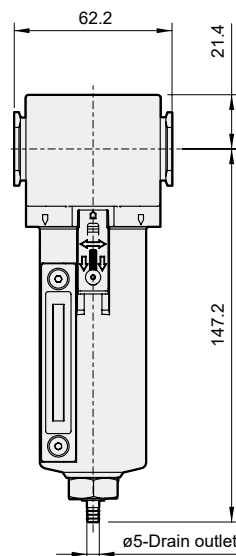
MAF302-D

Auto drain valve



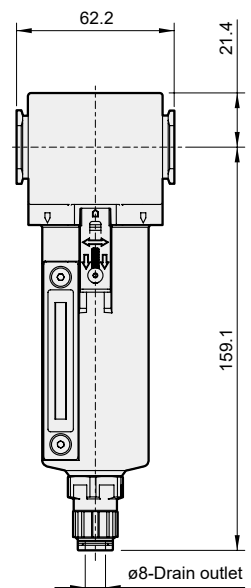
MAF302-M

Metal bowl



MAF302-MD

Metal bowl + Auto drain valve



MAF400 series

AIR UNIT (FILTER)



Technical data



Filter element



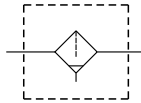
User manual



Caution for safety
(Read before installing)



Symbol



Specification

Model	MAF400		
Bore No.	8A	10A	15A
Port size	1/4	3/8	1/2
Medium	Air		
Operating pressure range (*1.2)	0.05~1 MPa		
Proof pressure	1.5 MPa		
Ambient temperature	- 5~+60°C (No freezing)		
Filter element	Standard: 40μm, Option: 5μm		
Drain capacity	100 cm ³		
Max. flow rate(*3) ℓ /min(ANR)	1500	2000	2200
Optional attachment	L type bracket		
Weight	550 g		

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

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

*3. Flow is at pressure P=0.7 MPa with pressure drop ΔP=0.03 MPa.

Order example

MAF400 – 8A – ND – – **B** –

MODEL

PORT SIZE

BOWL

FLOW DIRECTION

FILTER ELEMENT

BRACKET

PORT THREAD

8A: 1/4
10A: 3/8
15A: 1/2

Blank: PC bowl
N: Nylon bowl

Blank: Left to right
R: Right to left

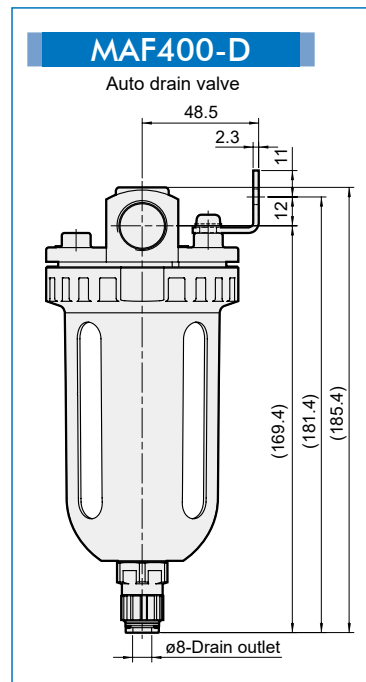
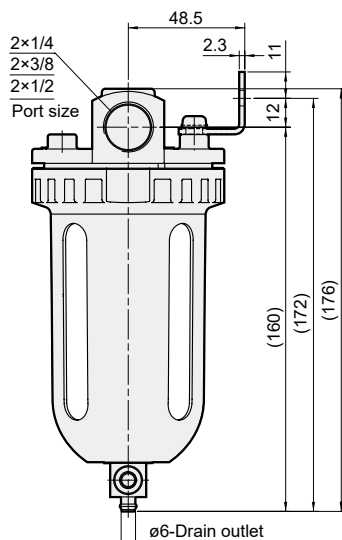
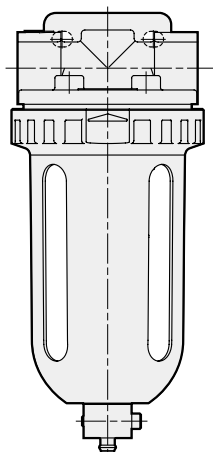
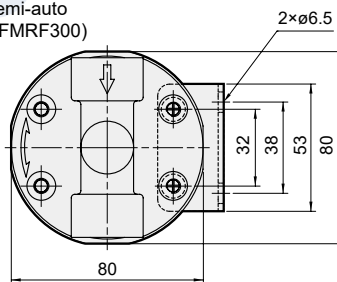
Blank: 40μm
5u: 5μm

Blank: without
B: with bracket

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

DRAIN VALVE

Blank: Semi-auto
D: Auto (FMRF300)



MAF401 series

AIR UNIT (FILTER)



Technical data



Filter element



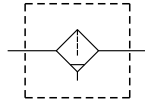
User manual



Caution for safety
(Read before installing)



Symbol

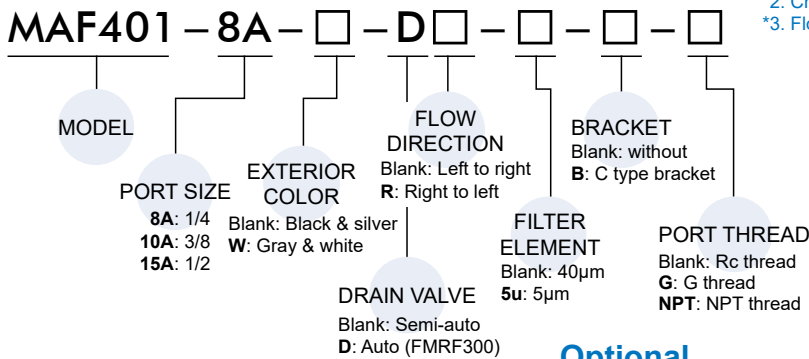


Specification

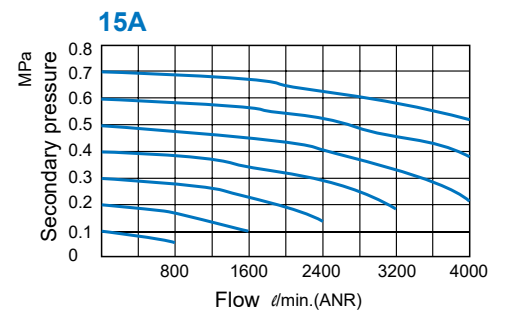
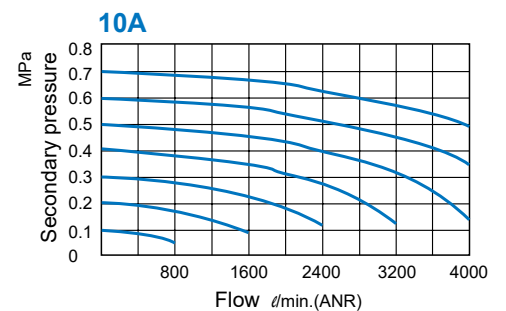
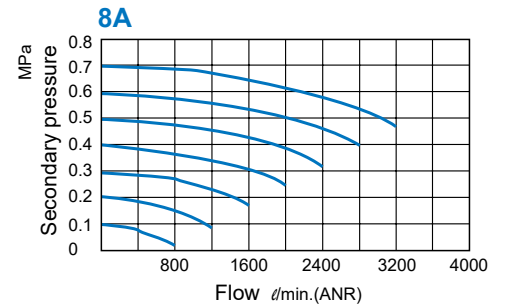
Model	MAF401		
Bore No.	8A	10A	15A
Port size	1/4	3/8	1/2
Medium	Air		
Operating pressure range (*1,2)	0.05~1.5 MPa		
Proof pressure	2 MPa		
Ambient temperature	- 5~+60°C (No freezing)		
Filter element	Standard: 40μm, Option: 5μm		
Drain capacity	70 cm ³		
Max. flow rate(*3) ℓ /min(ANR)	1500	2000	2500
Optional attachment	C type bracket		
Weight	480 g		

- *1. Standard unit contains semi-auto drain function when operating pressure below 0.05 MPa.
- *2. Choose auto-drain FMRF300, the pressure range is 0.15~1 MPa.
- *3. Flow is at pressure P=0.7 MPa with pressure drop Δ P=0.03 MPa.

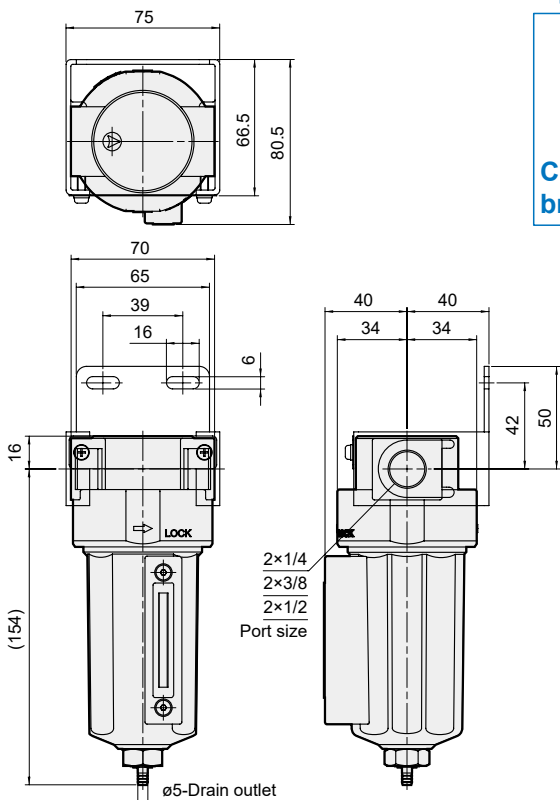
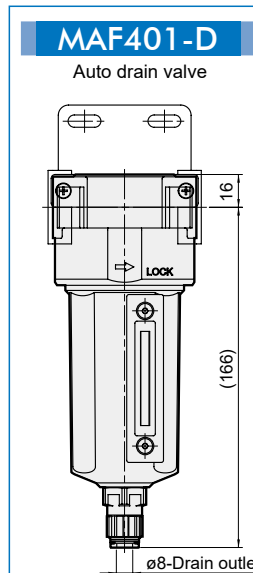
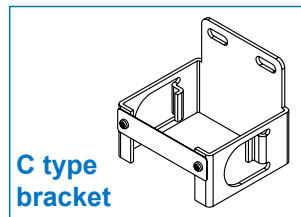
Order example



Flow feature



Optional



MAF501 series

AIR UNIT (FILTER)



Technical data



Filter element



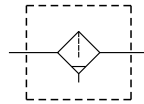
User manual



Caution for safety
(Read before installing)



Symbol



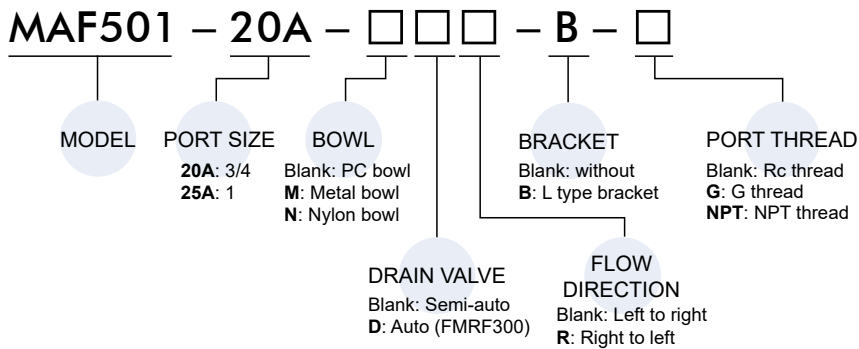
Specification

Model	MAF501	
Bore No.	20A	25A
Port size	3/4	1
Medium	Air	
Operating pressure range (*)	Nylon bowl, PC bowl: 0.05~1 MPa	
	Metal bowl: 0.05~1.5 MPa	
Proof pressure	Nylon bowl, PC bowl: 1.5 MPa	
	Metal bowl: 2 MPa	
Ambient temperature	- 5~+60°C (No freezing)	
Filter element	40 μm	
Drain capacity	Nylon bowl, PC bowl: 75 cm ³	
	Metal bowl: 70 cm ³	
Optional attachment	L type bracket	
Weight	Nylon bowl, PC bowl: 1180g	
	Metal bowl: 1300g	

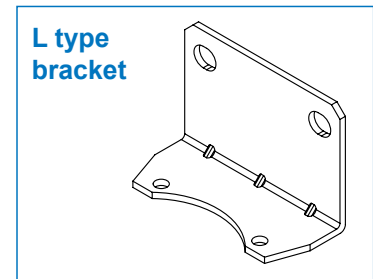
* Standard unit contains semi-auto-drain function when operating pressure below 0.05 MPa.

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

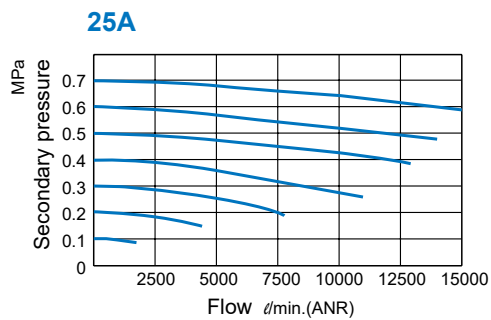
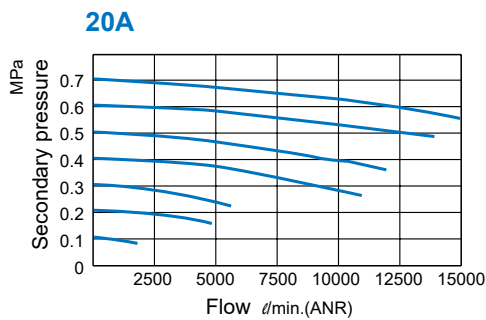
Order example



Optional



Flow feature



MAF501 Dimensions

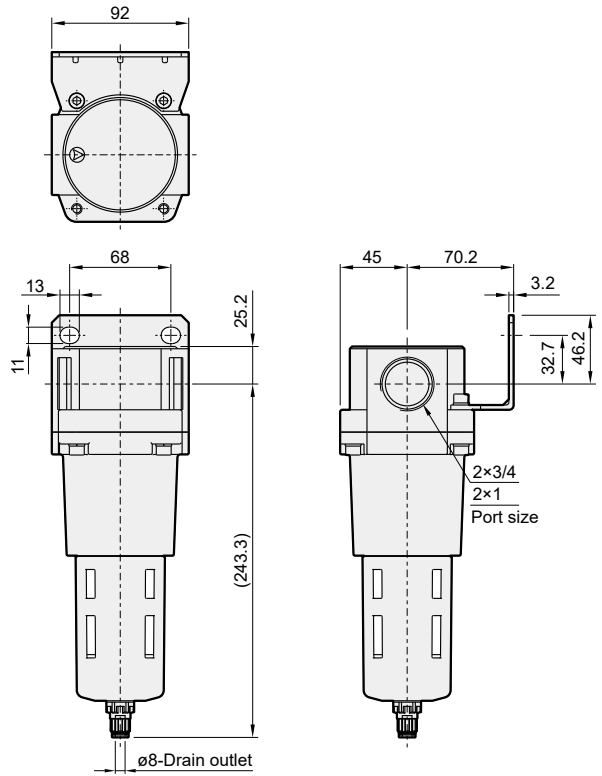
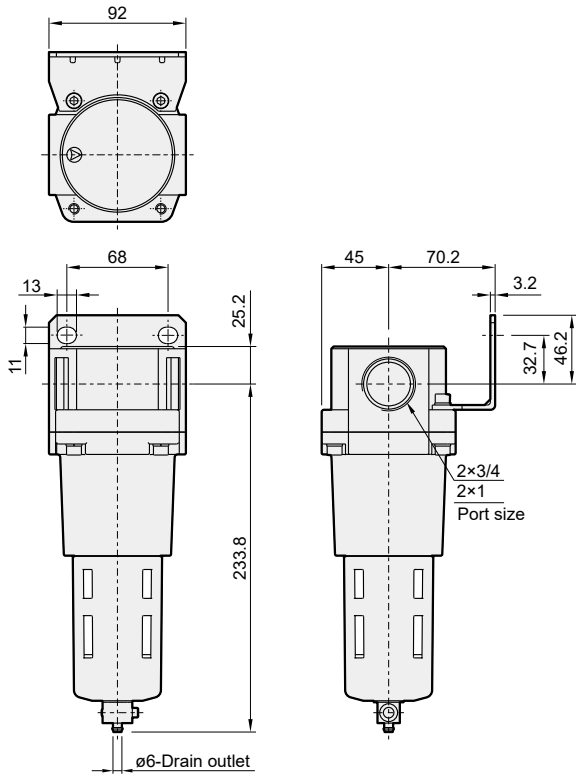
AIR UNIT (FILTER)



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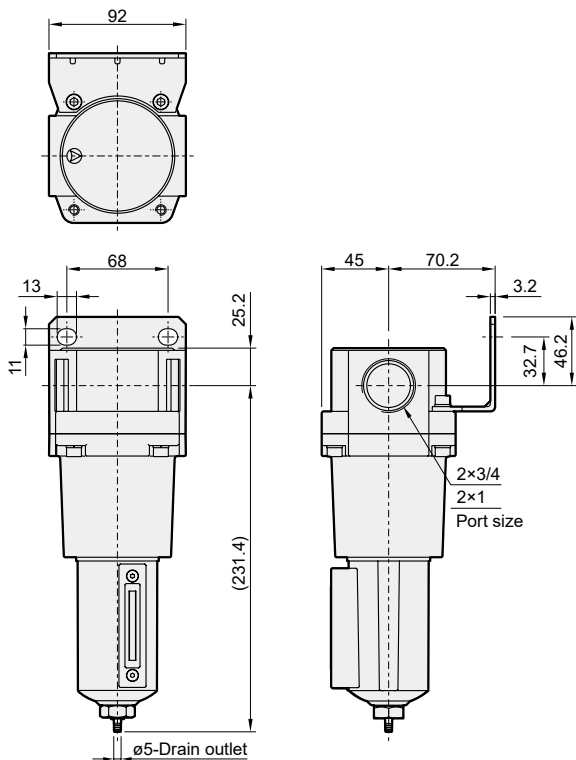
MAF501-D

Auto drain valve



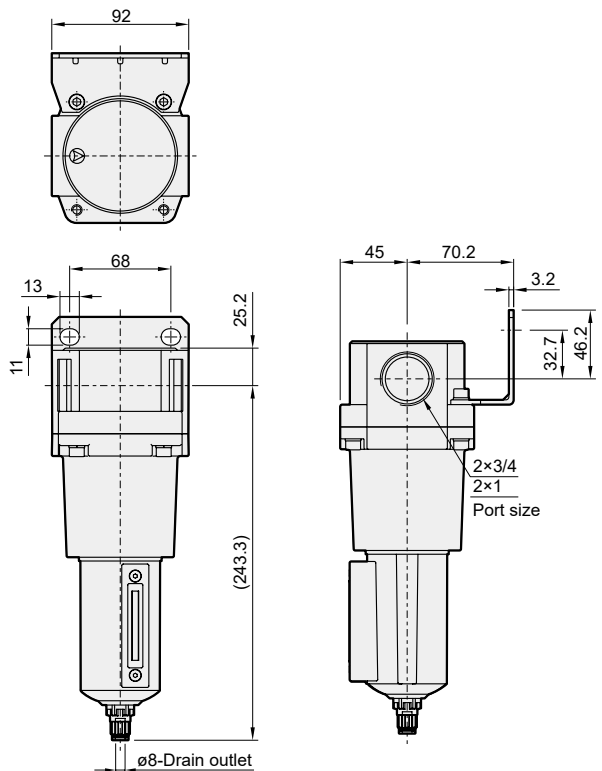
MAF501-M

Metal bowl



MAF501-MD

Metal bowl + auto drain valve



MAF501 D / M series

AIR UNIT (MIST / MICRO MIST FILTER)



Selection table



Precision filter



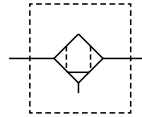
User manual



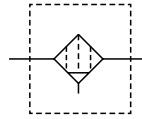
Caution for safety
(Read before installing)



Symbol



D: 0.3μm



M: 0.01μm

Specification

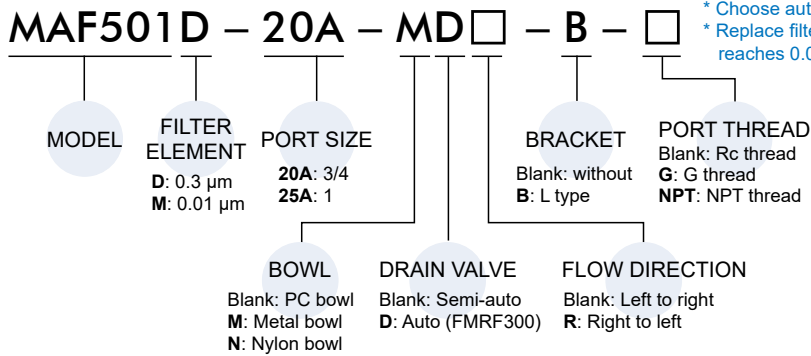
Model	MAF501D/M	
Bore No.	20A	25A
Port size	3/4	1
Medium	Air	
Operating pressure range (*)	Nylon bowl, PC bowl: 0.05~1 MPa	
	Metal bowl: 0.05~1.5 MPa	
Proof pressure	Nylon bowl, PC bowl: 1.5 MPa	
	Metal bowl: 2 MPa	
Ambient temperature	- 5~+60°C (No freezing)	
Filter element	0.3 μm, 0.01 μm	
Drain capacity	Nylon bowl, PC bowl: 75 cm ³	
	Metal bowl: 70 cm ³	
Optional attachment	L type bracket	
Weight	Nylon bowl, PC bowl: 1180g	
	Metal bowl: 1300g	

* 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.

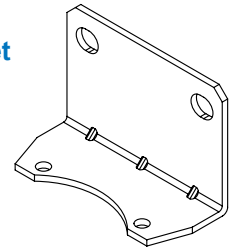
* Replace filter element at least once per year or when pressure drop reaches 0.07 MPa.

Order example



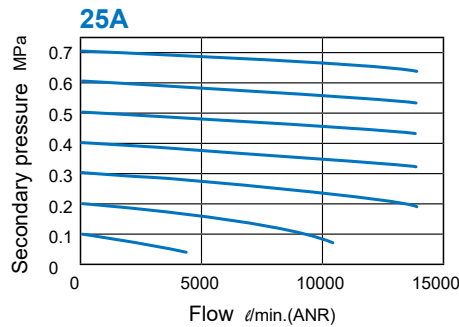
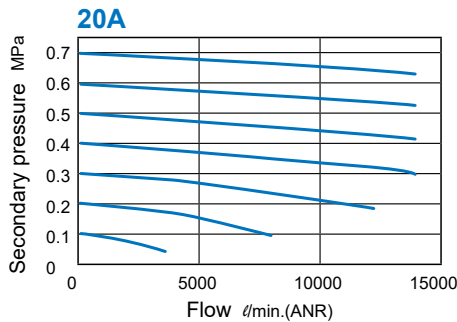
Optional

L type bracket

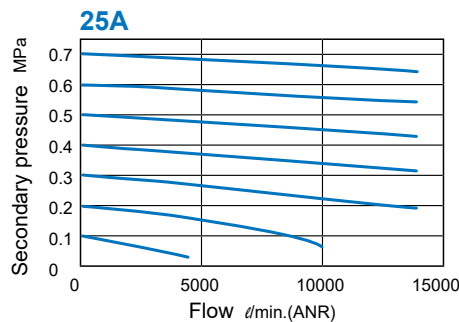
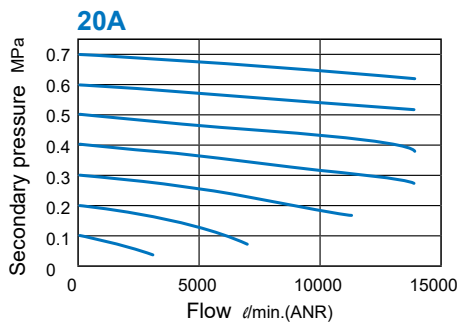


Flow feature

MAF501D (Filter element: 0.3 μm)



MAF501M (Filter element: 0.01 μm)



MAF501 D / M Dimensions

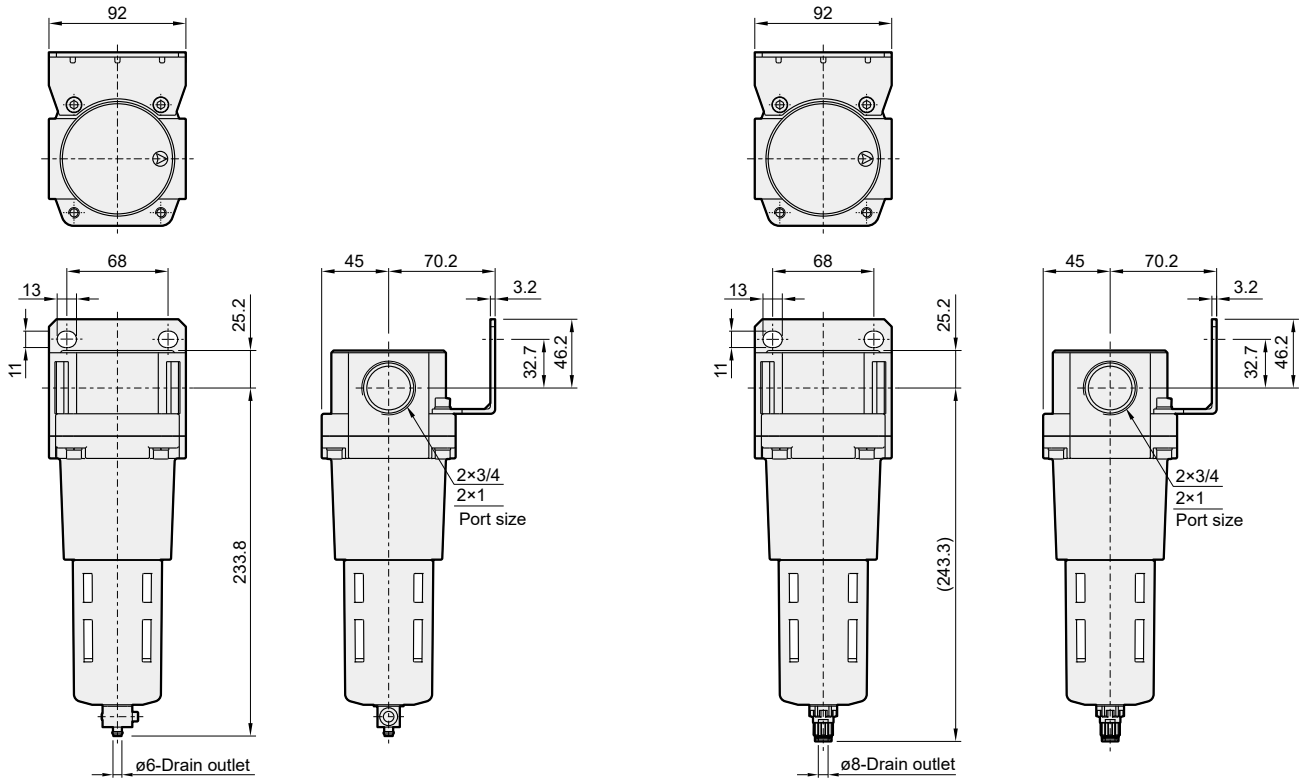
AIR UNIT (MIST / MICRO MIST FILTER)



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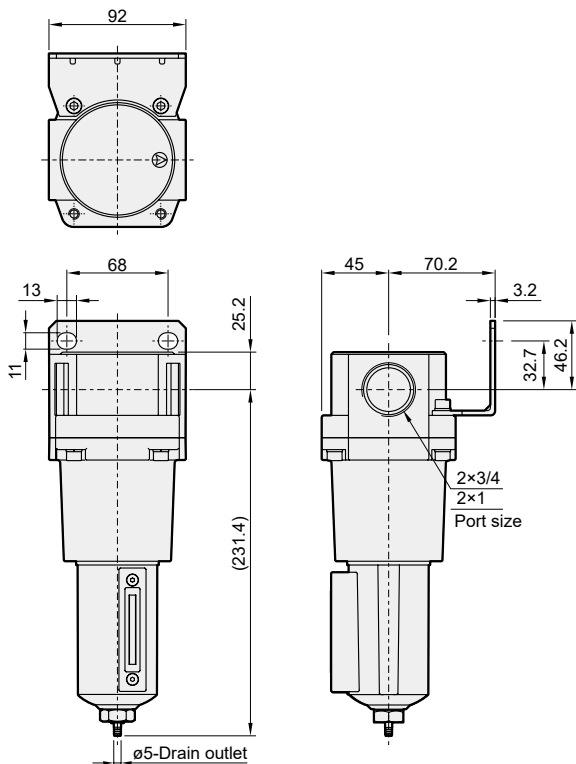
MAF501D/M-D

Auto drain valve



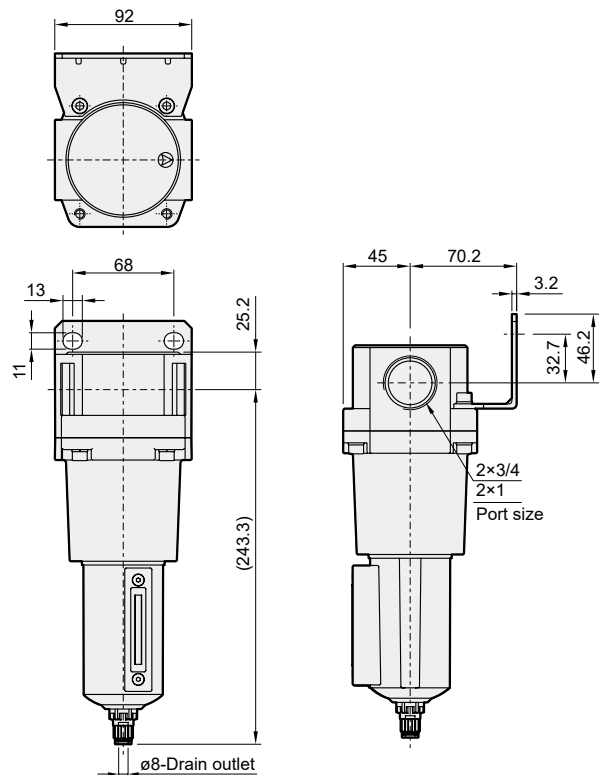
MAF501D/M-M

Metal bowl



MAF501D/M-MD

Metal bowl + auto drain valve



MAF900 series

AIR UNIT (FILTER)



Technical data



User manual

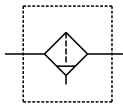


Caution for safety
(Read before installing)

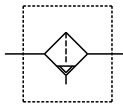


Symbol

Manual drain



Auto drain



- Removing upto 99% of the liquid water.
- Design of the filter elements gives both surface and depth filtration for cleaner air.
- Ideally suited for header lines and large flow rated tools and cylinder operations.

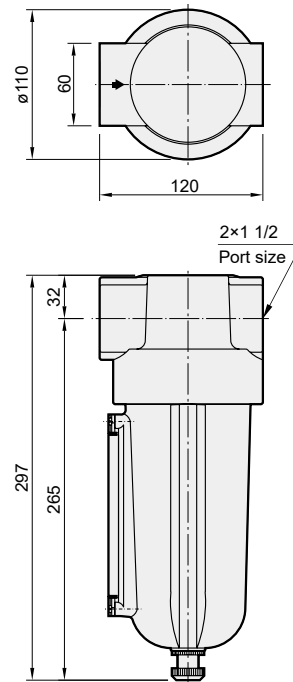
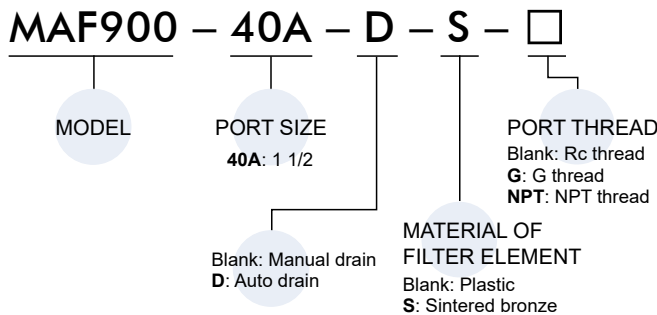
Specification

Model	MAF900
Bore No.	40A
Port size	1 1/2
Medium	Air
Operating perrsure range (*1)	0.05~1.75 MPa
Ambient temperature	0~+80°C (No freezing)
Filter element	Standard: 50μm
Standard nominal flow rate (*2)	20000 ℓ /min
Weight	2035 g

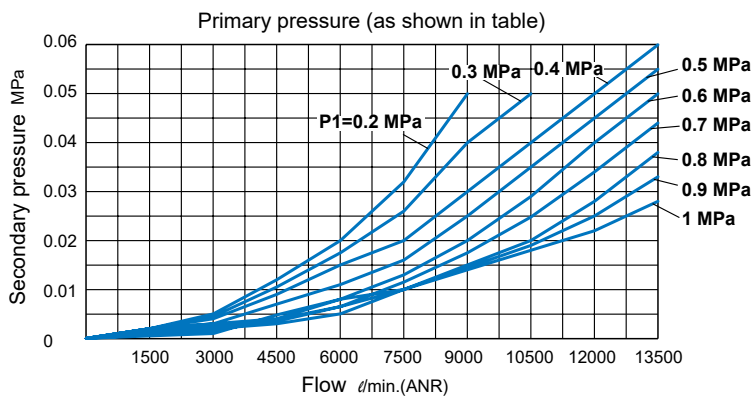
*1. Choose auto-drain, the pressure range is 0.15~1 MPa.

*2. Flow is at pressure P= 0.6 MPa with pressure drop ΔP=0.1 MPa.

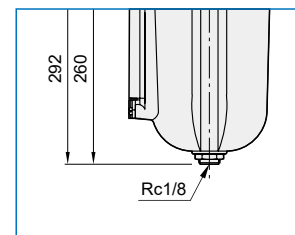
Order example



Flow feature



Auto drain



MAF901 series

AIR UNIT (FILTER)



Technical data



User manual

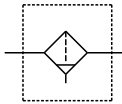


Caution for safety
(Read before installing)

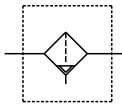


Symbol

Manual drain



Auto drain



- MAF901 with high water removal efficiency and minimal pressure drop are used for removal of liquids and solid contaminants to protect air tools and equipment.
- Ideally suited for header lines and very high flow applications.

Specification

Model	MAF901
Bore No.	50A
Port size	2
Medium	Air
Operating pressure range (*1)	0.05~1.75 MPa
Ambient temperature	0~+80°C (No freezing)
Filter element	Standard: 50μm
Standard nominal flow rate (*2)	63000 ℓ /min
Weight	6930 g

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

*2. Flow is at pressure P= 0.6 MPa with pressure drop ΔP=0.1 MPa.

Order example

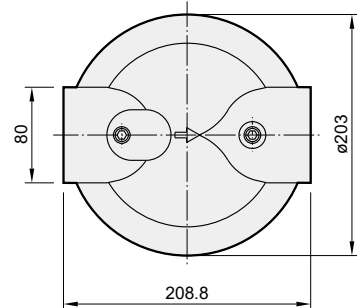
MAF901 – 50A – D – □

MODEL

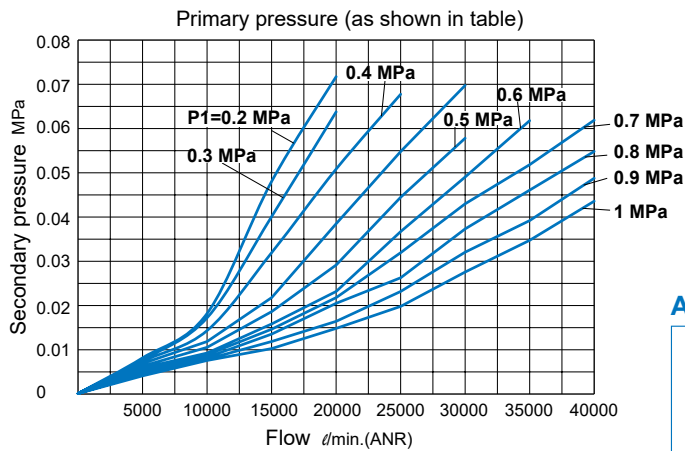
PORT SIZE
50A: 2

PORT THREAD
Blank: Rc thread
G: G thread
NPT: NPT thread

Blank: Manual drain
D: Auto drain



Flow feature



Auto drain

