

MACP302 series

AIR UNIT (F.R.L.UNIT)

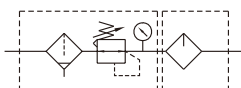


Mindman



Option: **MP41**

Symbol



Specification

Model	MACP302		
Components	MAFR302, MAL302		
Bore No.	8A	10A	15A
Port size	1/4	3/8	1/2
Medium	Air		
Operating perssure range (*)	0.05~1 MPa		
Proof pressure	1.5 MPa		
Regulated pressure range	0.05~0.85 MPa		
Ambient temperature	- 5~+60°C (No freezing)		
Filter element	Standard: 5μm, Option: 40μm		
Lubricating oil capacity	65c.c		
Min. flow for oil drip	50 ℓ/min	60 ℓ/min	
Recommended lubricating oil	Turbine oil ISO-VG32		
Attachment	Pressure gauge(PG-20), T-type bracket		
Weight	845 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

MACP302 – 8A – DN – E1 – □ – T8 – □

MODEL

PORT SIZE

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

FILTER ELEMENT
Blank: 5μm
40u: 40μm

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

(Option)

PRESSURE SWITCH

E1: MP41P-022
E2: MP41P-022-QD
E5: MP41P-042
E6: MP41P-042-QD

(Option)

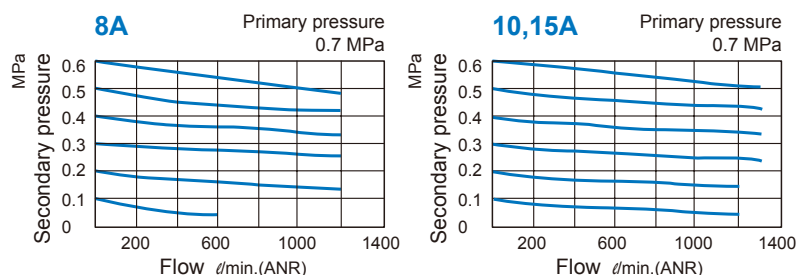
BY-PASS PORT SIZE

T type bracket	T8: 1/4 T10: 3/8 T15: 1/2
Check valve	K8: 1/4 K10: 3/8

Blank: PC bowl + Semi-auto drain
C: External pressure gauge (PG-40)
D: Auto drain valve (FMRF300)
M: Metal bowl
N: Nylon bowl

- * PG-40 (C) and MP41 (E*) can not be selected at the same time.
- * Refer to page 5-11 for the option of digital pressure switch MP41 (E*).
- * Metal bowl (M) and Nylon bowl (N) can not be selected at the same time.
- * Be sure to use above check valves when redirecting the air flow on the inlet side of the lubricator.

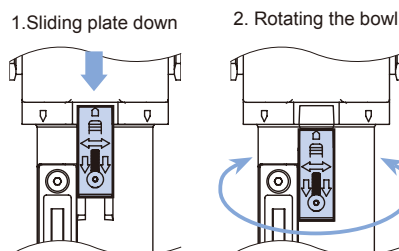
Flow feature



Caution

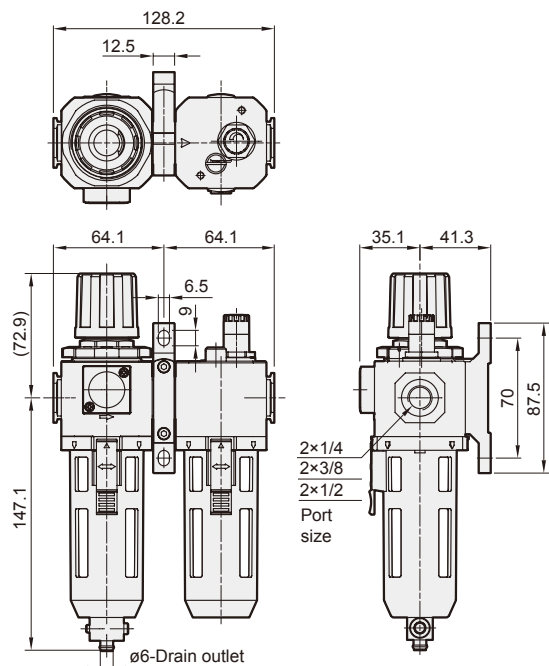
Metal bowl

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.



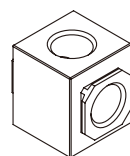
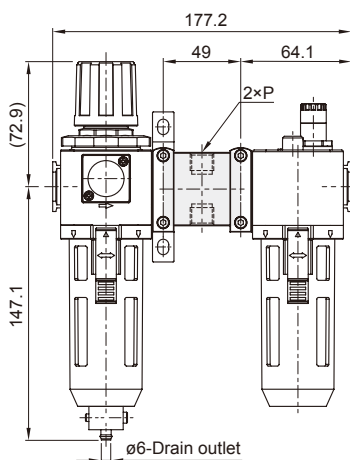
MACP302 Dimensions

AIR UNIT (F.R.L.UNIT)



MACP302-T*

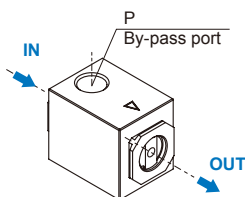
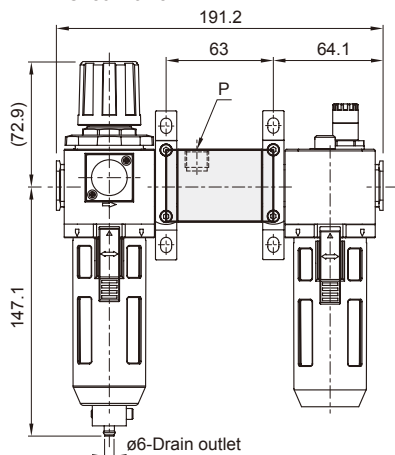
T type bracket



Port Bracket	P
T8	1/4
T10	3/8
T15	1/2

MACP302-K*

Check valve

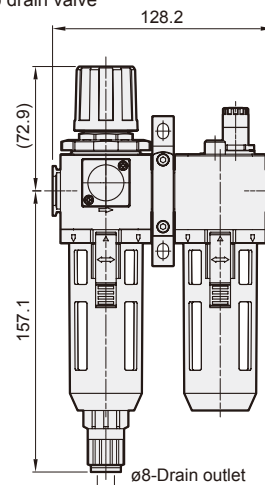


* Threads for IN and OUT ports are not machined.

Port Check valve	P
K8	1/4
K10	3/8

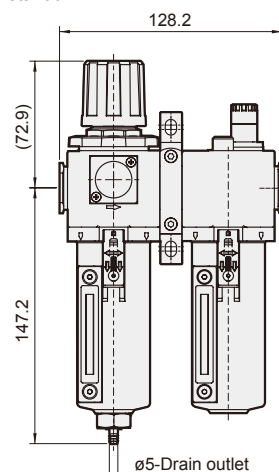
MACP302-D*

Auto drain valve



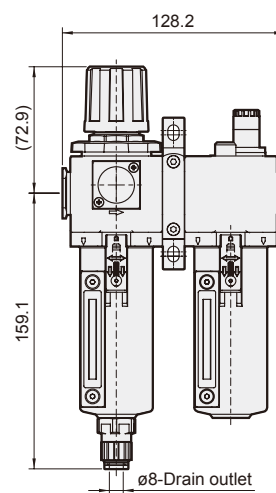
MACP302-M*

Metal bowl



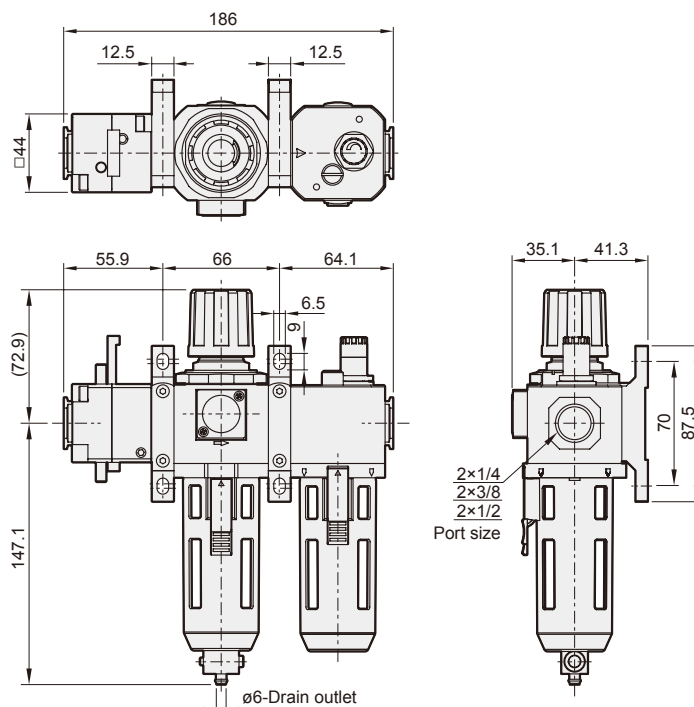
MACP302-DM*

Auto drain valve + Metal bowl



MACP302-HT With shutoff valve

AIR UNIT (F.R.L.UNIT)



Order example

MACP302 – 8A – □ – E1 – □ – HT – □

MODEL

PORT SIZE

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

FILTER
ELEMENT
Blank: 5µm
40u: 40µm

(Option)

PRESSURE SWITCH

E1: MP41P-022
E2: MP41P-022-QD
E5: MP41P-042
E6: MP41P-042-QD

PORT THREAD

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

SHUTOFF VALVE

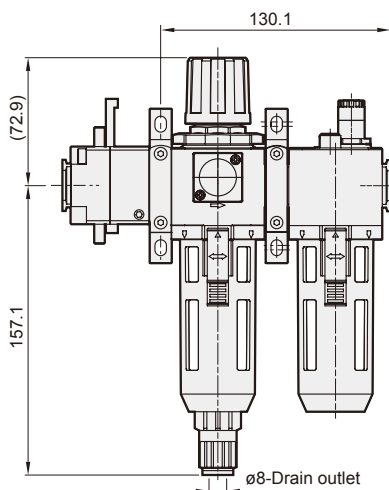
HT: MVHT-302-3H

Blank: Standard type
(PC bowl + Semi-auto drain)
C: External pressure gauge (PG-40)
D: Auto drain valve (FMR300)
M: Metal bowl
N: Nylon bowl

* Metal bowl (M) and Nylon bowl (N) can not be selected at the same time.
* PG-40 (C) and MP41 (E*) can not be selected at the same time.
* Refer to page 5-11 for the option of digital pressure switch MP41 (E*).

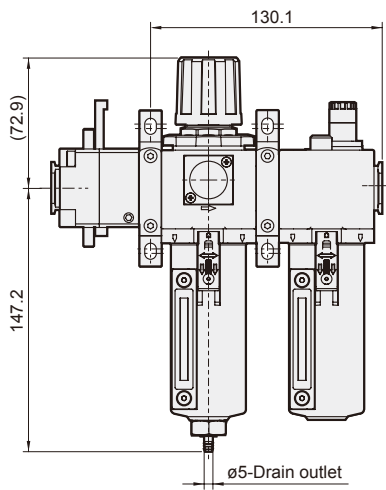
MACP302-D*

Auto drain valve



MACP302-M*

Metal bowl



MACP302-DM*

Auto drain valve + Metal bowl

