



Clean exhaust filter

FAC10 Series

● Port size: ø4, ø6, ø8, ø10



Specifications

Model No.		FAC10-4P	FAC10-6P	FAC10-8P	FAC10-10P
Working fluid		Compressed air			
Max. working pressure	MPa	0.1 (≈15 psi, 1 bar)			
Min. working pressure	MPa	0 (≈0 psi, 0 bar)			
Proof pressure	MPa	0.3 (≈44 psi, 3 bar)			
Ambient / fluid temperatures	°C	5 (41°F) to 45 (113°F)			
Port size		ø4	ø6	ø8	ø10
Weight	g	2			3
Filtration rating	µm	0.01 (removal efficiency 99.99% and over)			
Secondary side cleanliness		0.1 µm or larger particles are completely (100%) eliminated *1			
Max. processing flow rate	ℓ/min(ANR)	4	10	20	35

*1: Maximum processing flow rate for measurement, or 28.3 ℓ/min. (ANR) when the maximum processing flow rate is 28.3 ℓ/min. (ANR) or more

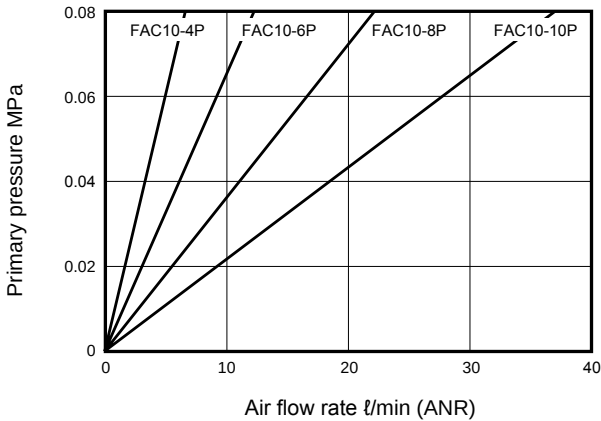
How to order

FAC10 - 4P

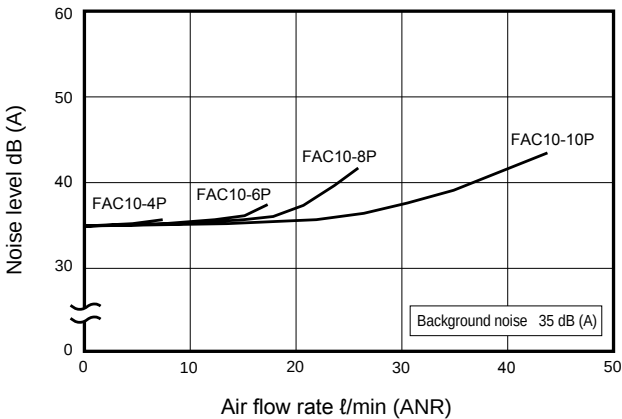
Ⓑ Port size

Code	Description
Ⓑ Port size	
4P	ø4
6P	ø6
8P	ø8
10P	ø10

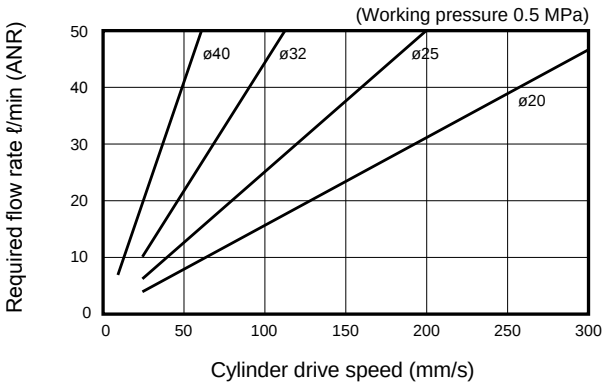
Flow characteristics



Noise level



Selection guide



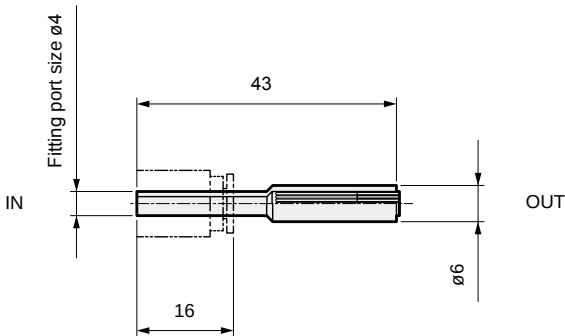
The clean exhaust filter model is selected based on the working circuit's required flow rate.

- (1) Calculate the required flow rate for the actuator being used.
- (2) Multiply the calculated required flow rate by 1.4.
- (3) Select a model having a processing flow rate exceeding the required flow rate multiplied by 1.4.

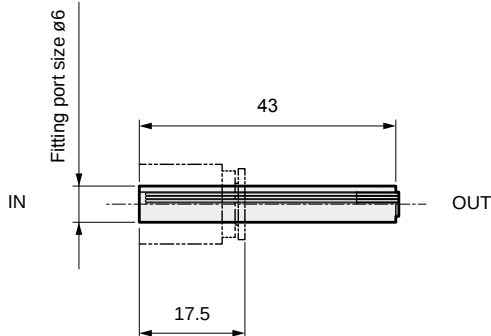
The above graphs show the required flow rate multiplied by 1.4 for each air cylinder size. Use this graph to select a model.



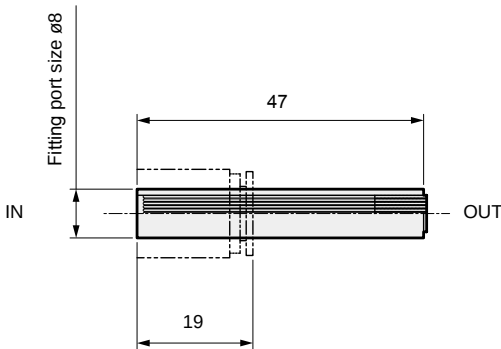
● FAC10-4P



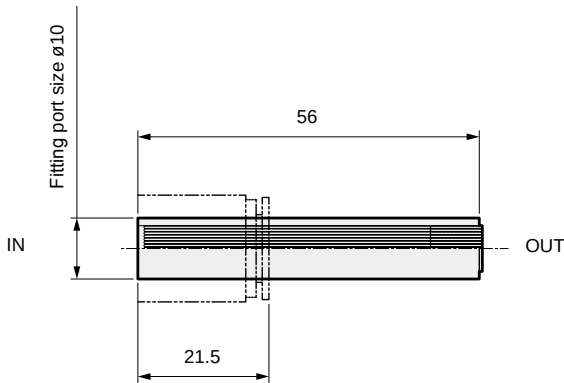
● FAC10-6P



● FAC10-8P



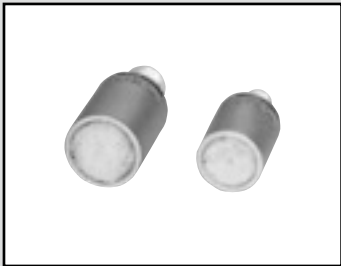
● FAC10-10P



No.	Part name		Material
1	Body	Housing	Polyamide
		Filter	Polypropylene
		Filler material	Urethane

Cannot be disassembled

F.R.L.
F.R.
F (Filtr
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filt
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRISens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Clean exhaust filter

FAC100/FAC200 Series

● Port size: R1/8, R1/4, R3/8, R1/2



Specifications

Model No.		FAC100		FAC200	
Working fluid		Compressed air			
Max. working pressure	MPa	0.1 (≈15 psi, 1 bar)			
Min. working pressure	MPa	0 (≈0 psi, 0 bar)			
Proof pressure	MPa	0.3 (≈44 psi, 3 bar)			
Ambient / fluid temperatures	°C	5 (41°F) to 40 (104°F)			
Port size		R 1/8,R1/4		R 3/8,R1/2	
Weight	g	65		85	
Filtration rating	μm	0.01 (removal efficiency 99.99% and over)			
Secondary side cleanliness		0.1 μm or larger particles are completely (100%) eliminated *1			
Max. processing flow rate	ℓ/min(ANR)	100		200	

*1: Flow rate at the time of measurement: 28.3 ℓ/min (ANR).

How to order

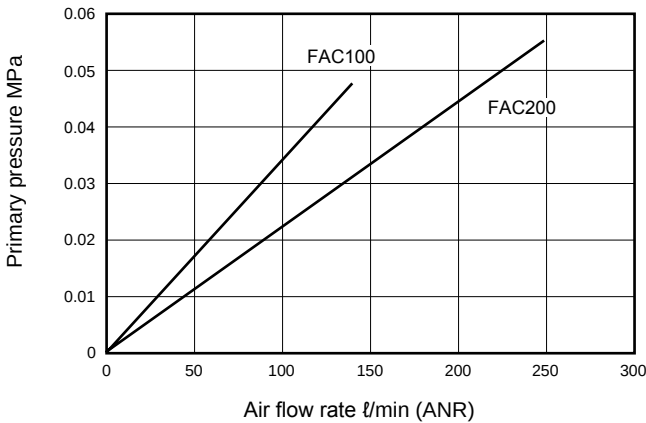
FAC100 - 8A

A Model No.

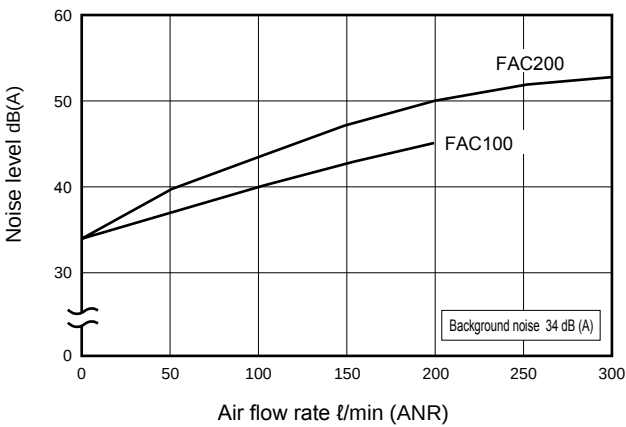
B Port size

		A Model No.	
Code	Description	FAC100	FAC200
B Port size			
6A	R1/8	●	
8A	R1/4	●	
10A	R3/8		●
15A	R1/2		●

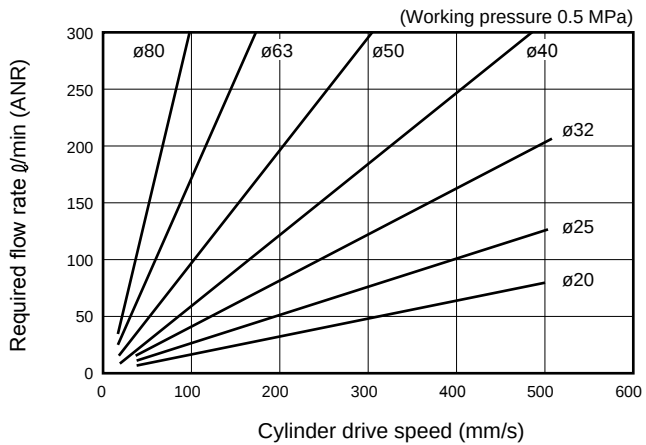
Flow characteristics



Noise level



Selection guide



The clean exhaust filter model is selected based on the working circuit's required flow rate.

- (1) Calculate the required flow rate for the actuator being used.
- (2) Multiply the calculated required flow rate by 1.4.
- (3) Select a model having a processing flow rate exceeding the required flow rate multiplied by 1.4.

The above graphs show the required flow rate multiplied by 1.4 for each air cylinder size. Use this graph to select a model.

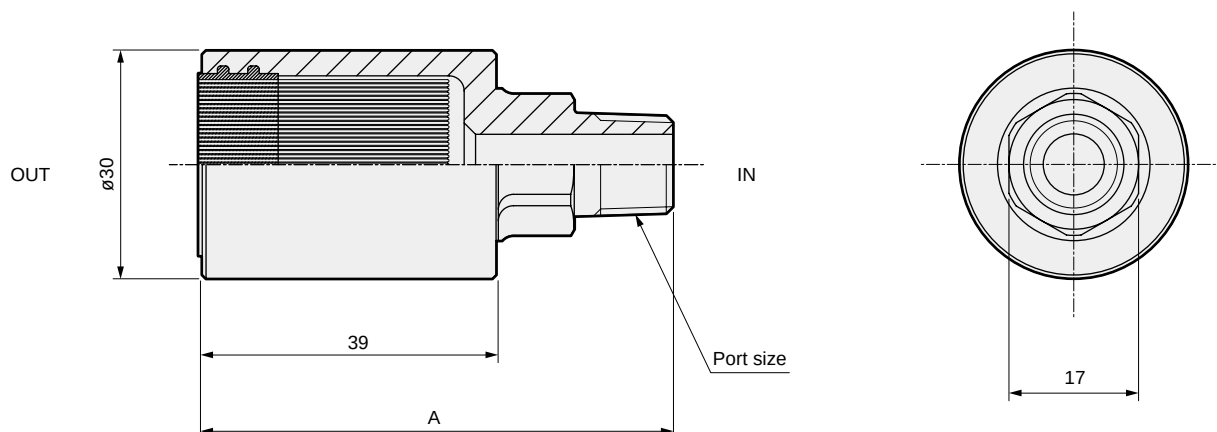
FAC100/FAC200 Series

Internal structure diagram and parts list/dimensions

Internal structure diagram and parts list/dimensions



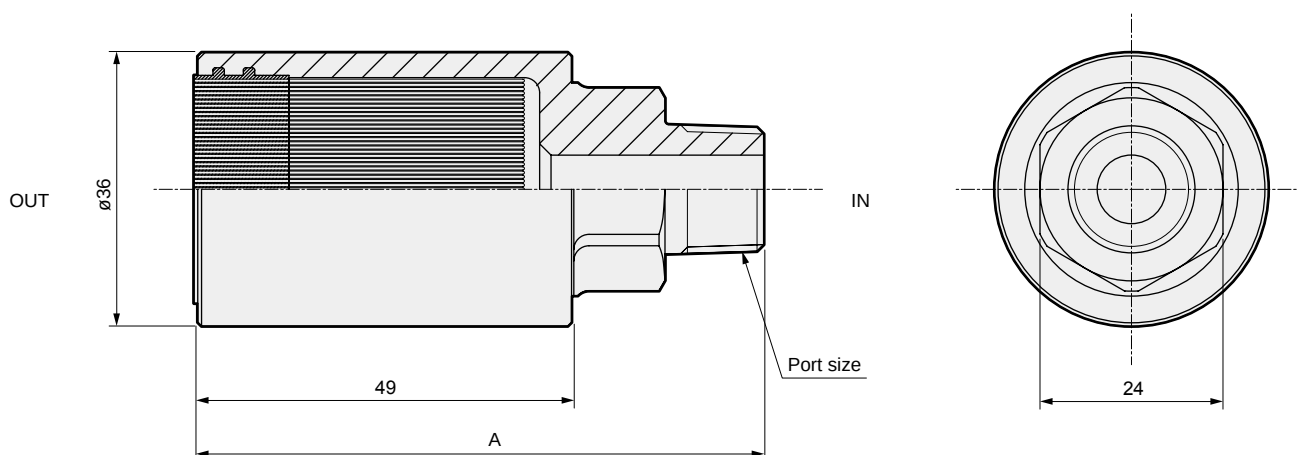
● FAC100



No.	Part name	Material
1	Body	Housing
		Filter
		Filler material
		Aluminum alloy (alumite treatment)
		Polypropylene
		Urethane

Model No.	A	Port size
FAC100-6A	59	R1/8
FAC100-8A	62	R1/4

● FAC200



No.	Part name	Material
1	Body	Housing
		Filter
		Filler material
		Aluminum alloy (alumite treatment)
		Polypropylene
		Urethane

Model No.	A	Port size
FAC200-10A	75	R3/8
FAC200-15A	78	R1/2

Cannot be disassembled

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain
Separ
Mech
Press SW
Res press
exh valve
SlowStart
Anti-bac/Bac-
remove Filtr
Film
Resist FR
Oil-ProhR
Med
Press FR
No Cu/
PTFE FRL
Outdrs FRL
Adapter
Joiner
Press
Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/
other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro
Press SW
ContactSW
AirSens
PresSW
Cool
Air Flo
Sens/Ctrl
WaterRISens
TotAirSys
(Total Air)
TotAirSys
(Gamma)
Gas
generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg
etc
Ending



Clean exhaust filter

FAC3000 Series

● Port size: Rc3/8, Rc1/2

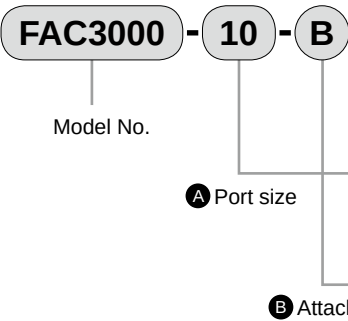


Specifications

Model No.		FAC3000
Working fluid		Compressed air
Max. working pressure	MPa	0.1 (≈15 psi, 1 bar)
Min. working pressure	MPa	0 (≈0 psi, 0 bar)
Proof pressure	MPa	0.3 (≈44 psi, 3 bar)
Ambient / fluid temperatures	°C	5 (41°F) to 45 (113°F)
Port size		Rc3/8,Rc1/2
Weight	kg	0.29
Filtration rating	µm	0.01 (removal efficiency 99.99% and over)
Attachment weight	kg	0.17
Secondary side cleanliness		0.1 µm or larger particles are completely (100%) eliminated *1
Max. processing flow rate	ℓ/min(ANR)	600

*1: Flow rate at the time of measurement: 28.3 ℓ/min (ANR).

How to order



Code	Description
A Port size	
10	Rc3/8
15	Rc1/2
B Other attachments	
Blank	None
B	C type bracket: B320-P70

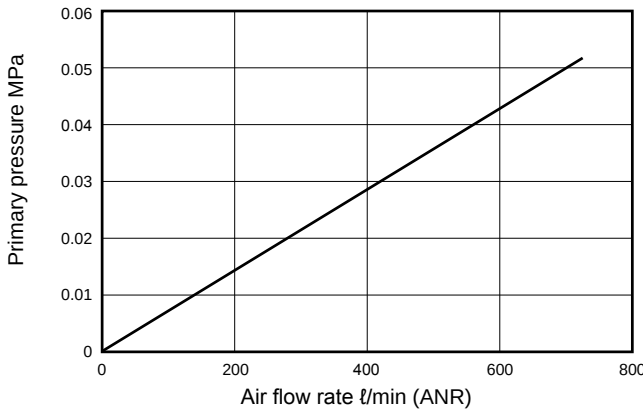
Note: Two attachments are included, one R1/8 plug and one plug corresponding to the connection port size (R3/8 or R1/2).

Model No. of single bracket

B320-P70

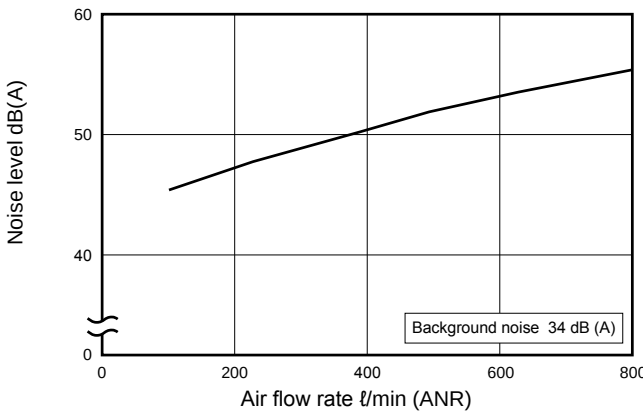
Flow characteristics

● FAC3000



Noise level

● FAC3000

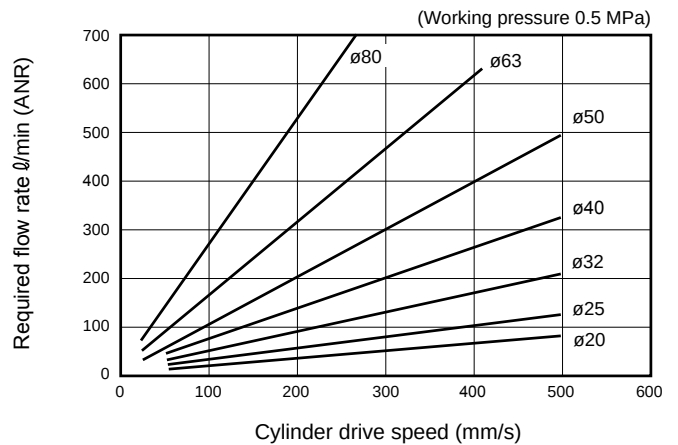


Selection guide

The clean exhaust filter model is selected based on the working circuit's required flow rate.

- (1) Calculate the required flow rate for the actuator being used.
- (2) Multiply the calculated required flow rate by 1.4.
- (3) Select a model having a processing flow rate exceeding the required flow rate multiplied by 1.4.

The graph at right shows the required flow rate multiplied by 1.4 for each air cylinder size. Use this graph to select a model.

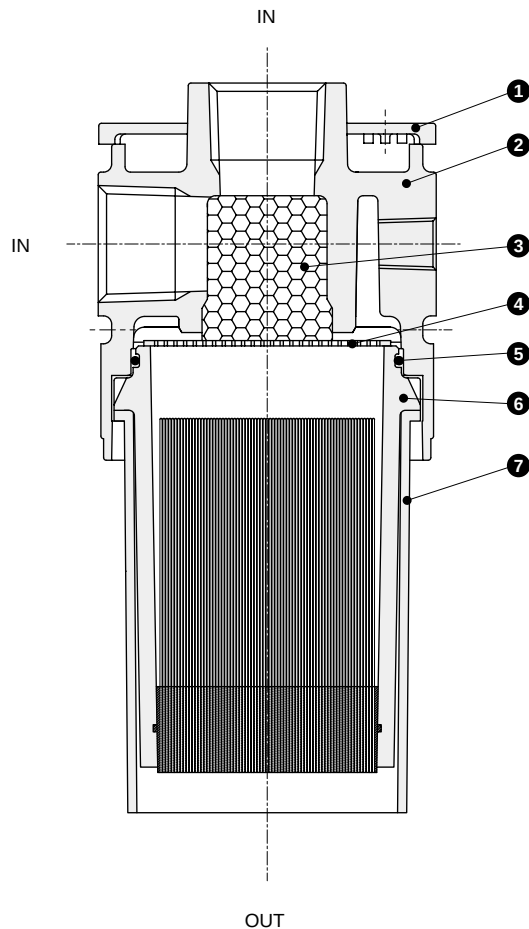


F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filtr
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRISens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac- remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Internal structure and parts list

● FAC3000



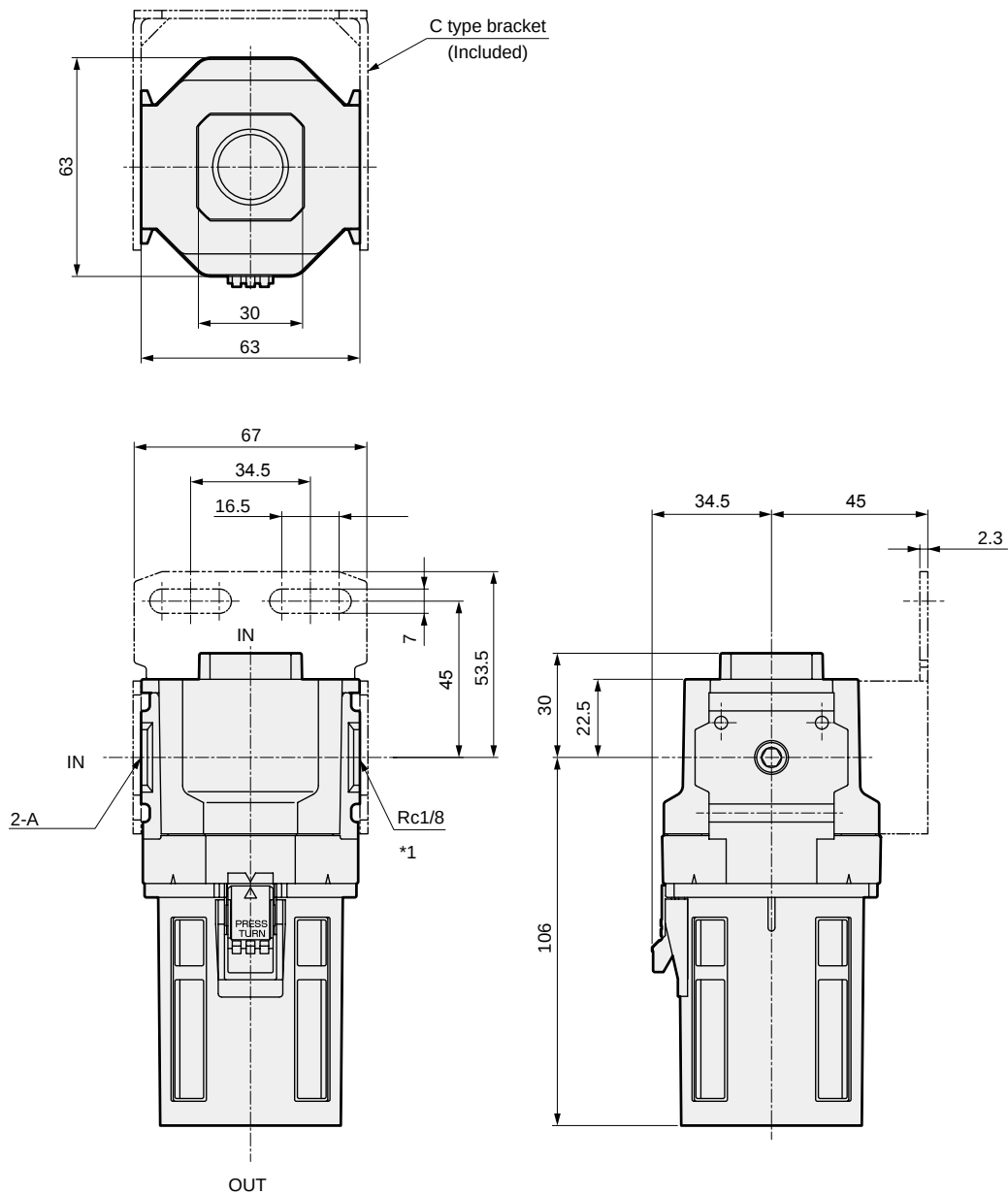
Cannot be disassembled

No.	Part name		Material
1	Plate cover		ABS resin
2	Body		Aluminum alloy die-casting
3	Sound insulation material		Vinylidene chloride
4	Rectification plate		Stainless steel
5	O-ring		Special nitrile rubber
6	Hollow fiber membrane element	Housing	Polycarbonate
		Filter	Polypropylene
		Filler material	Urethane
7	Bowl guard		Polyamide resin, stainless steel

Dimensions



● FAC3000



Model No.	A
FAC3000-10	Rc3/8
FAC3000-15	Rc1/2

*1: The Rc1/8 port can be used for treating air exhaust and monitoring element life. Replace the element when primary pressure exceeds 0.1 MPa. When not using this port, plug it with the R1/8 plug provided. Contact CKD for details on repair parts such as elements.

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac-remove Filt
Film Resist FR
Oil-ProhR
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRiSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

F.R.L.
F.R.
F (Filtr)
R (Reg)
L (Lub)
Drain Separ
Mech Press SW
Res press exh valve
SlowStart
Anti-bac/Bac- remove Filt
Film Resist FR
Oil-Prohr
Med Press FR
No Cu/ PTFE FRL
Outdrs FRL
Adapter Joiner
Press Gauge
CompFRL
LgFRL
PrecsR
VacF/R
Clean FR
ElecPneuR
AirBoost
Speed Ctrl
Silncr
CheckV/ other
Fit/Tube
Nozzle
Air Unit
PrecsCompn
Electro Press SW
ContactSW
AirSens
PresSW Cool
Air Flo Sens/Ctrl
WaterRtSens
TotAirSys (Total Air)
TotAirSys (Gamma)
Gas generator
RefrDry
DesicDry
HiPolymDry
MainFiltr
Dischrg etc
Ending

Customized products

Available as customized products. Contact CKD for details.

FAC10-M5

- Max. processing flow rate: 2 l/min (ANR) or more
- Port size : M5
- Body material : Stainless steel



FAC10-6

- Max. processing flow rate: 4 l/min (ANR) or more
- Port size : R1/8
- Body material : Stainless steel

