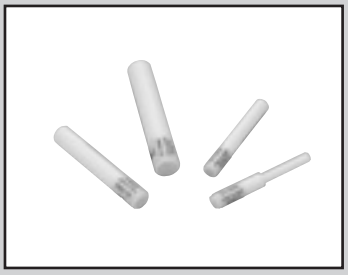


Clean exhaust filter

FAC10 Series

● Port size: ø4/ø6/ø8/ø10

RoHS CAD

Specifications

Model No.		FAC10-4P	FAC10-6P	FAC10-8P	FAC10-10P
Working fluid		Compressed air			
Max. working pressure	MPa	0.1			
Min. working pressure	MPa	0			
Proof pressure	MPa	0.3			
Ambient temperature/fluid temperature	℃	5 to 45			
Port size		ø4	ø6	ø8	ø10
Weight	g	2			3
Filtration rating	μm	0.01 (removal efficiency 99.99% and over)			
High secondary cleanness		0.1 μm or larger particles are completely (100%) eliminated *1			
Max. flow rate	ℓ/min (ANR)	4	10	20	35

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

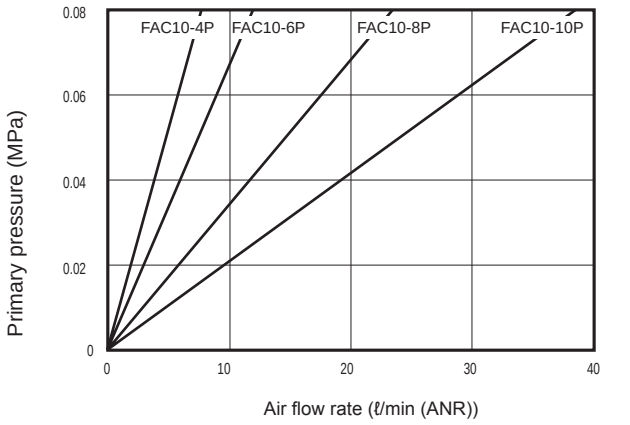
How to order

FAC10 — 4P

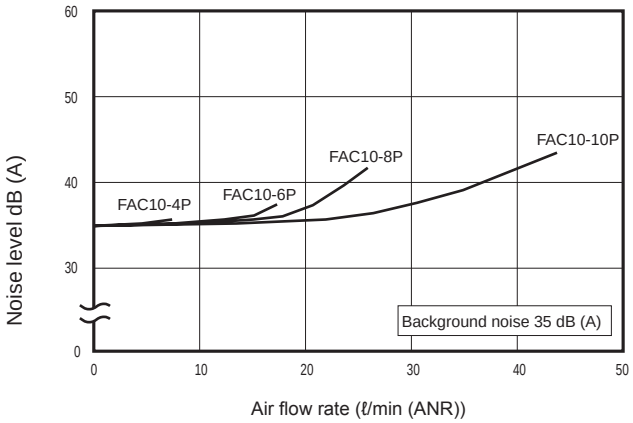
Ⓑ Port size

Code	Content
Ⓑ port size	
4P	ø4
6P	ø6
8P	ø8
10P	ø10

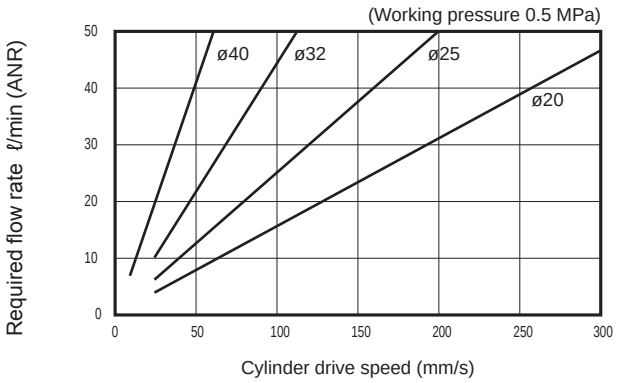
Flow characteristics



Noise level



Selection guide

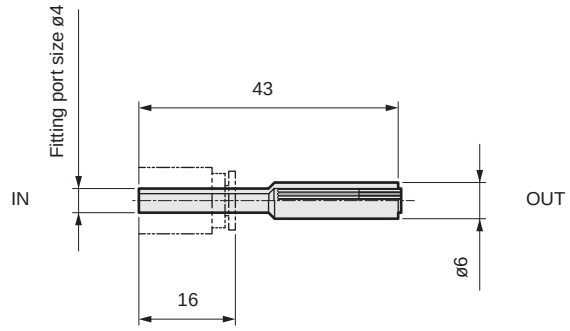


The clean exhaust filter model is selected based on the working circuit's required flow rate.
(1) Calculate the required flow rate for the actuator being used.
(2) Multiply the calculated flow rate by 1.4.
(3) Select a model having a flow exceeding the required flow rate multiplied by 1.4.

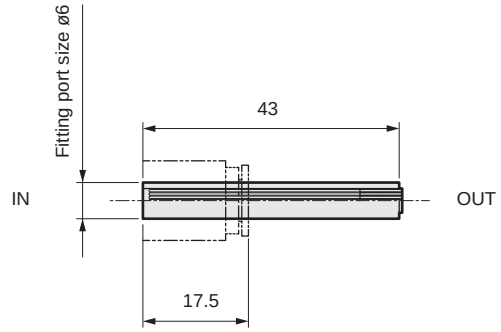
The above graphs show the required flow rate multiplied by 1.4 for each air cylinder size. Use this diagram to select a model.

Internal structure and parts list/dimensions

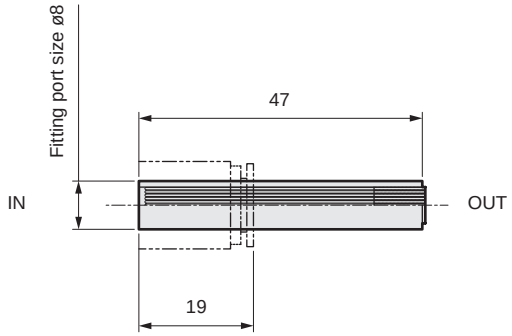
● FAC10-4P



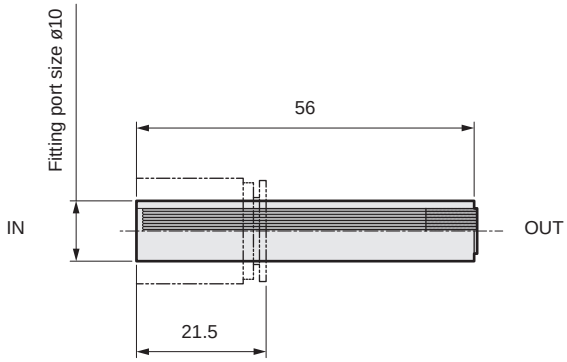
● FAC10-6P

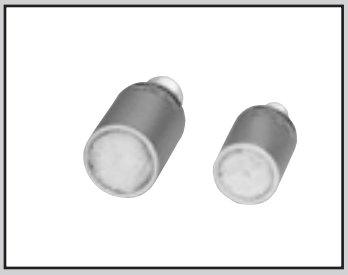


● FAC10-8P



● FAC10-10P





Clean exhaust filter

FAC100/FAC200 Series

● Port size: R1/8, R1/4, R3/8, R1/2

RoHS CAD

Specifications

Model No.		FAC100	FAC200
Working fluid		Compressed air	
Max. working pressure	MPa	0.1	
Min. working pressure	MPa	0	
Proof pressure	MPa	0.3	
Ambient temperature/fluid temperature	℃	5 to 40	
Port size		R1/8, R1/4	R3/8, R1/2
Weight	g	65	85
Filtration rating	μm	0.01 (removal efficiency 99.99% and over)	
High secondary cleanness		0.1 μm or larger particles are completely (100%) eliminated *1	
Max. flow rate	ℓ/min (ANR)	100	200

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

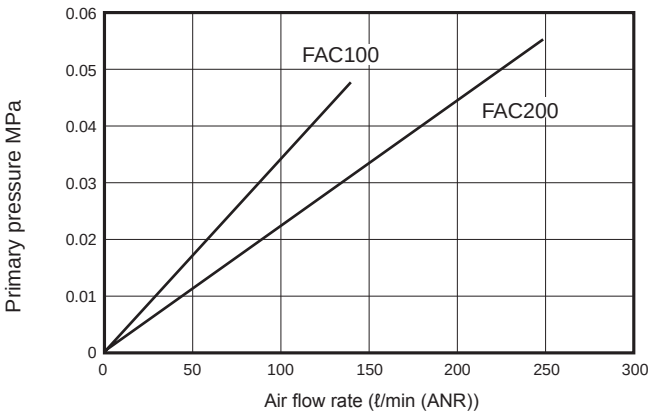
How to order

FAC100 — **8A**

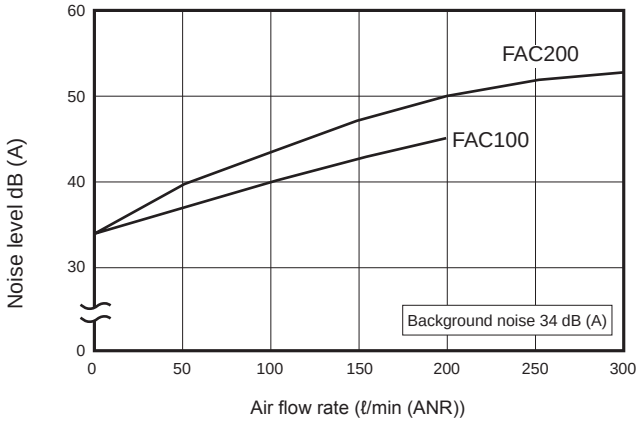
Ⓐ Model No. Ⓑ Port size

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

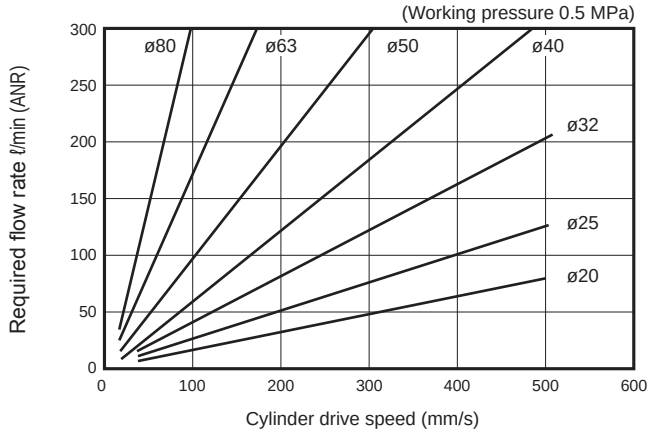
Flow characteristics



Noise level



Selection guide

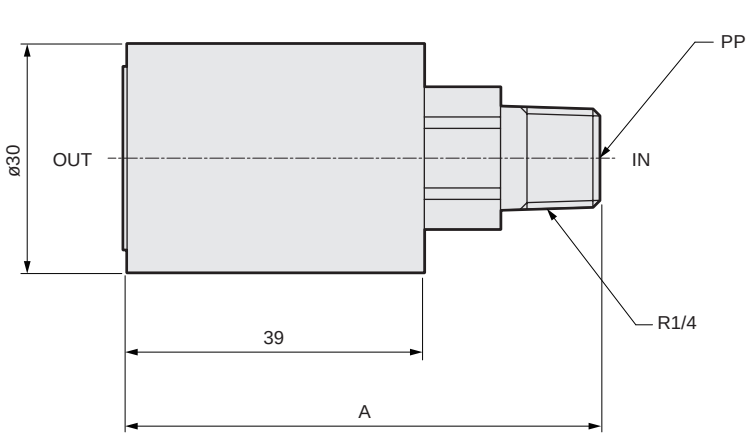


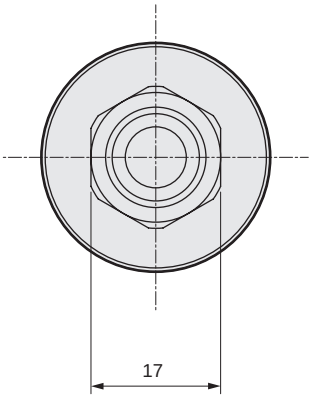
The clean exhaust filter model is selected based on the working circuit's required flow rate.
(1) Calculate the required flow rate for the actuator being used.
(2) Multiply the calculated flow rate by 1.4.
(3) Select a model having a flow exceeding the required flow rate multiplied by 1.4.

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

Dimensions

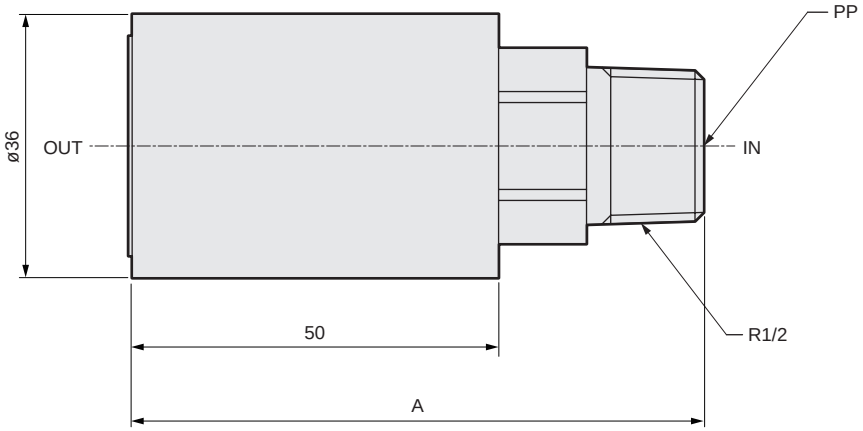
● FAC100

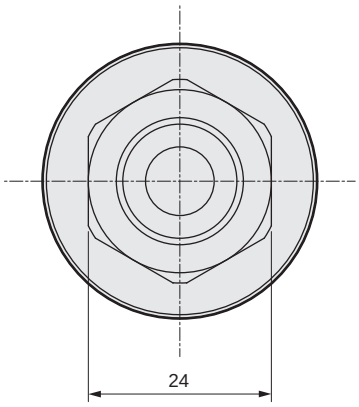




Model No.	A	Port size
FAC100-6A	59	R1/8
FAC100-8A	62	R1/4

● FAC200





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

Clean exhaust filter

FAC3000 Series

● Port size: Rc3/8, Rc1/2

RoHS CAD

Specifications

Model No.		FAC3000
Working fluid		Compressed air
Max. working pressure	MPa	0.1
Min. working pressure	MPa	0
Proof pressure	MPa	0.3
Ambient temperature/fluid temperature	°C	5 to 45
Port size		Rc3/8, Rc1/2
Weight	g	290
Filtration rating	μm	0.01 (removal efficiency 99.99% and over)
High secondary cleanness		0.1 μm or larger particles are completely (100%) eliminated *1
Max. flow rate	ℓ/min (ANR)	600

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

How to order

FAC3000 — **10** — **B**

Model No.

Ⓐ Port size

Ⓑ Other attachments

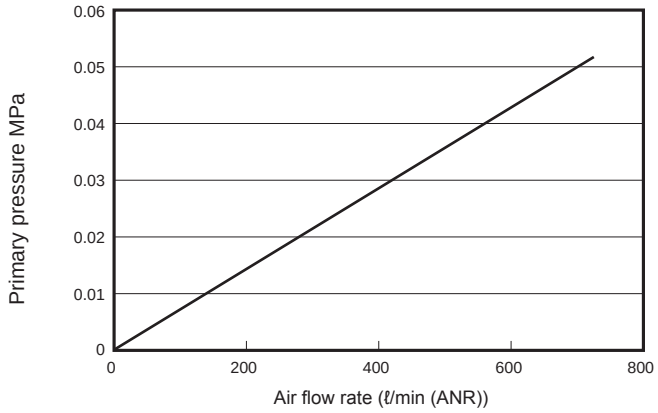
Code	Content
Ⓐ Port size	
10	Rc3/8
15	Rc1/2
Ⓑ Other attachments	
Blank	Without attachment
B	C bracket: B320-P70

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

Bracket model No.
B320-P70

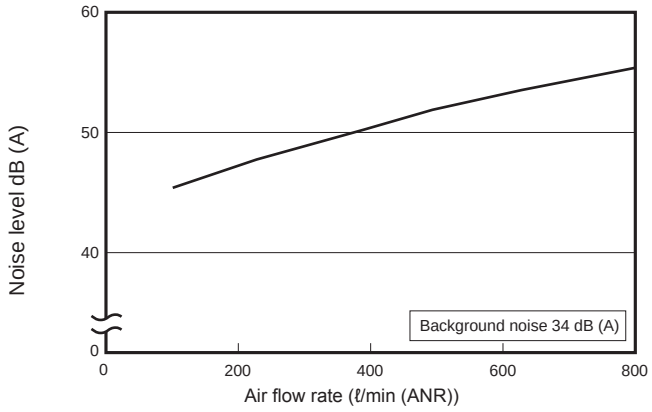
Flow characteristics

● FAC3000



Noise level

● FAC3000

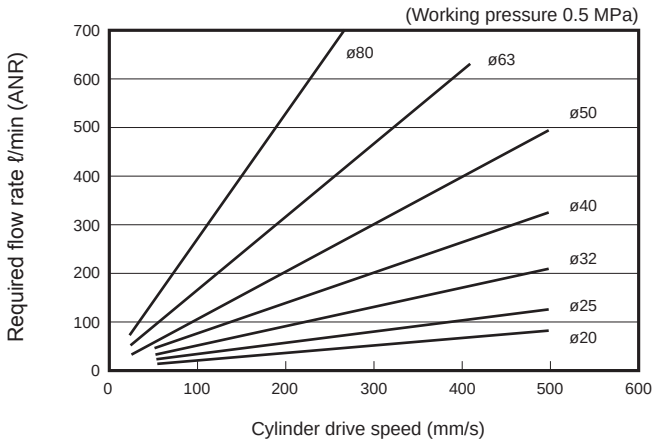


Selection guide

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

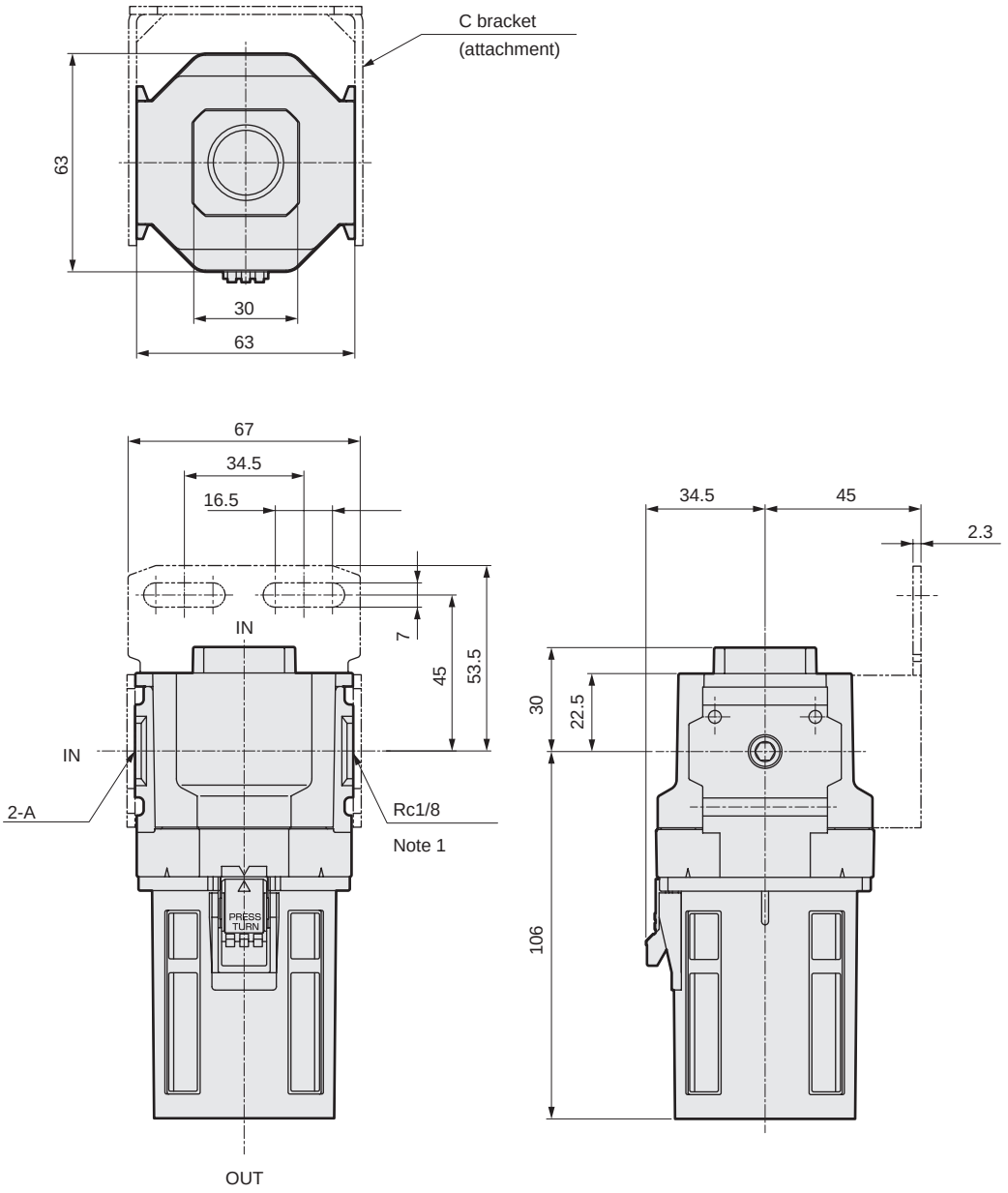
(1) Calculate the required flow rate for the actuator being used.
(2) Multiply the calculated flow rate by 1.4.
(3) Select a model having a flow exceeding the required flow rate multiplied by 1.4.

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



Dimensions

● FAC3000



Model No.	A
FAC3000-10	R3/8
FAC3000-15	R1/2

Note 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 consumables such as elements.