

# FAC Series

● Port size:  $\varnothing 4, \varnothing 6, \varnothing 8, \varnothing 10, R1/8, R1/4, R3/8$   
 $R1/2, Rc3/8, Rc1/2$

## Direct exhaust in clean rooms.

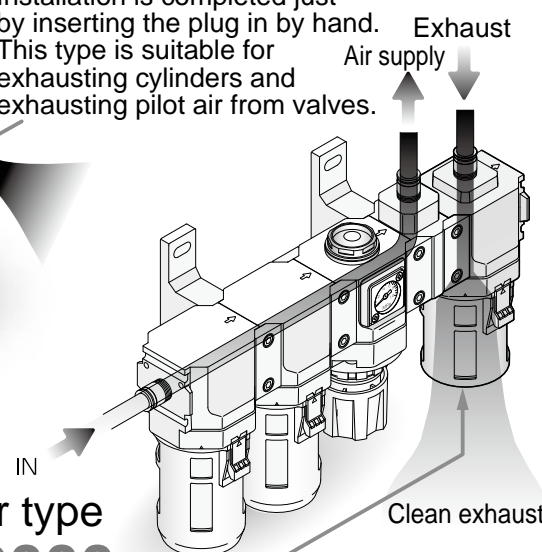
The innovative clean exhaust filter FAC Series with newly incorporated hollow fiber membrane structure allows the exhaust air in the pneumatic circuit to be cleaned with high precision.

Direct exhausting is possible just by mounting this filter onto the exhaust port of devices in a Class 10 or below clean room.

The conventional external exhaust is no longer required allowing piping work, space and costs to be dramatically improved.

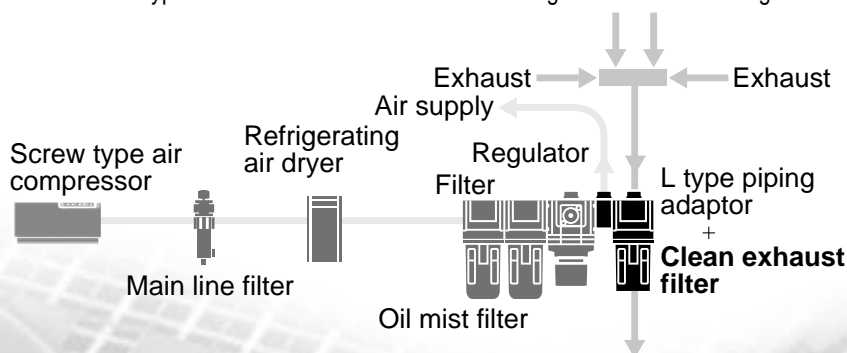
## Plug type FAC10 Series

Installation is completed just by inserting the plug in by hand. This type is suitable for exhausting cylinders and exhausting pilot air from valves.



## Modular type FAC3000 Series

Piping is not required when this type is connected to other modular devices (C type, T type bracket, piping adaptor, distributor, etc.). This type is suitable for central exhaust and large flow rate exhausting.

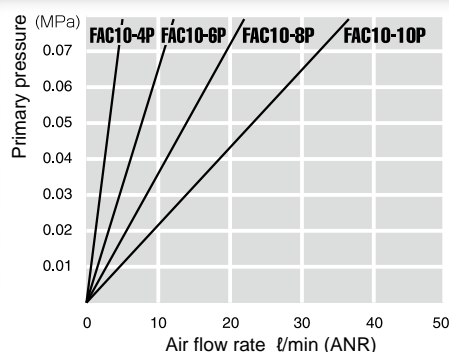


## Silencer type FAC100/200 Series

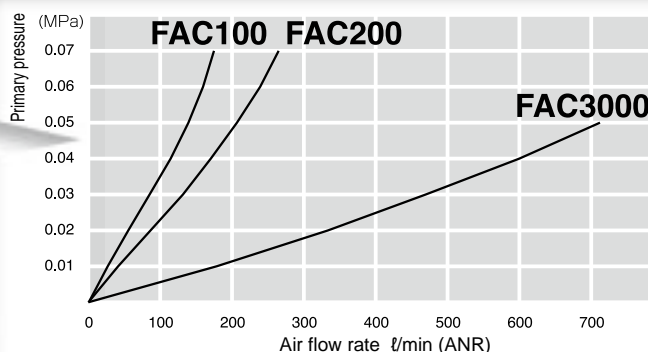
This male thread type is provided with a silencer function, and can be directly installed on the valve's R port.

\* For installation, refer to the safety precautions (page 501).

Flow characteristics/FAC10



Flow characteristics/FAC100, FAC200, FAC3000



# Revolutionary exhaust system for clean rooms

## Precise filtration

0.01  $\mu\text{m}$  filtration, 99.99% removal efficiency

## High secondary cleanliness

99.99% of 0.1  $\mu\text{m}$  and larger particles are removed

\* Measurement conditions: 28.3  $\ell/\text{min}$  (ANR) flow rate

## Cost reducing and space saving

The work, costs and space required for conventional external exhaust piping are eliminated.

## Simplified piping

All external exhaust piping can be eliminated by mounting the plug type on the cylinder and the silencer on the switching valve, thereby simplifying the piping.

## Silencer function

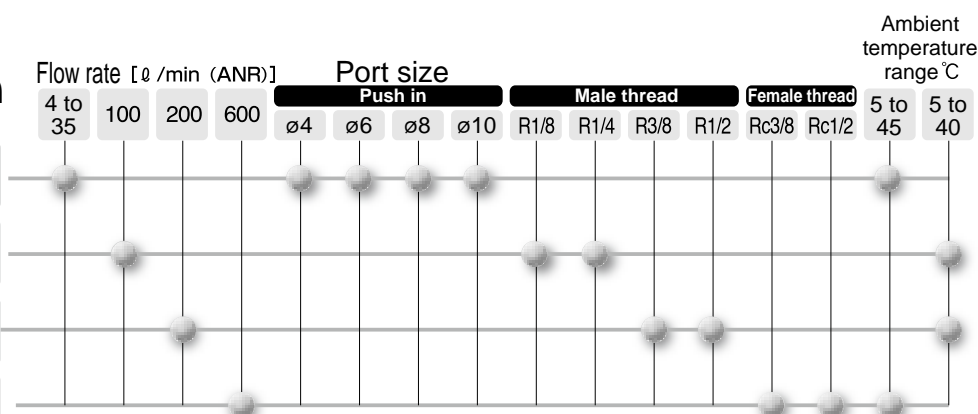
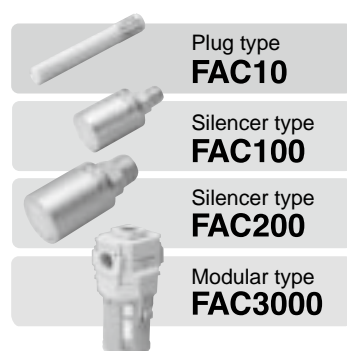
The exhaust noise can be suppressed to 60dB (A) or less.

## Ample variations

Three styles, the plug type, silencer type and modular type, as well as four flow rate series, 4 to 35, 100, 200 and 600  $\ell/\text{min}$  (ANR) are available.

Clean exhaust filter

### FAC Series Variation

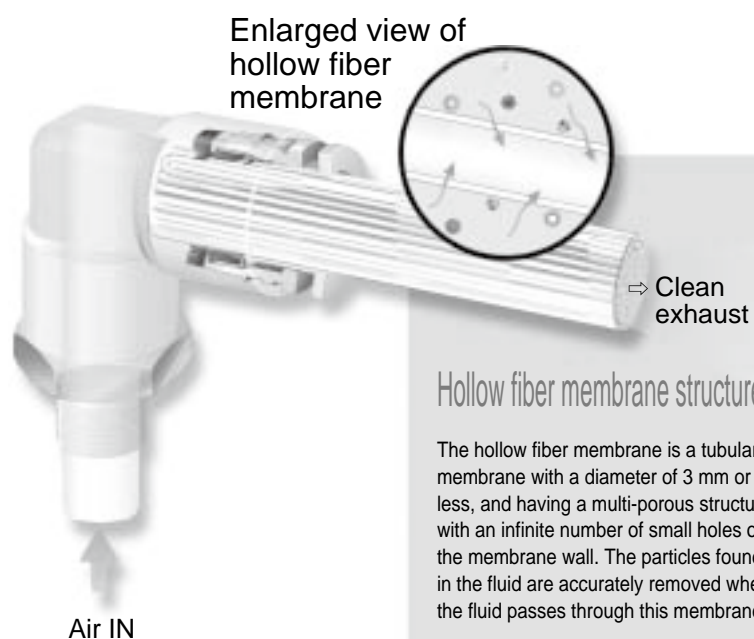


### Precautions for selecting model

This is a high precision filtration type, so the flow rate is lower than the normal silencer and cleaner. Refer to each specification for details.



Read Safety Precautions to ensure correct, safe product use.



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
PresCompn
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