

FAC Series

- SCPD3
- SCM
- SSD2
- MDC2
- SMG
- LCM
- LCR
- LCG
- LCX
- STM
- STG
- STR2
- MRL2
- GRC
- Cylinder switch
- MN3E
MN4E
- 4GA/B
- M4GA/B
- MN4GA/B
- FR (module unit)
- Clean F.R**
- Precision R
- Press gauge
Diff. press gauge
- Electro-pneumatic R
- Speed controller
- Auxiliary valve
- Fitting/
tube
- Clean air unit
- Pressure sensor
- Flow rate sensor
- Valve for air blow
- Ending

Directly exhaust in clean rooms.

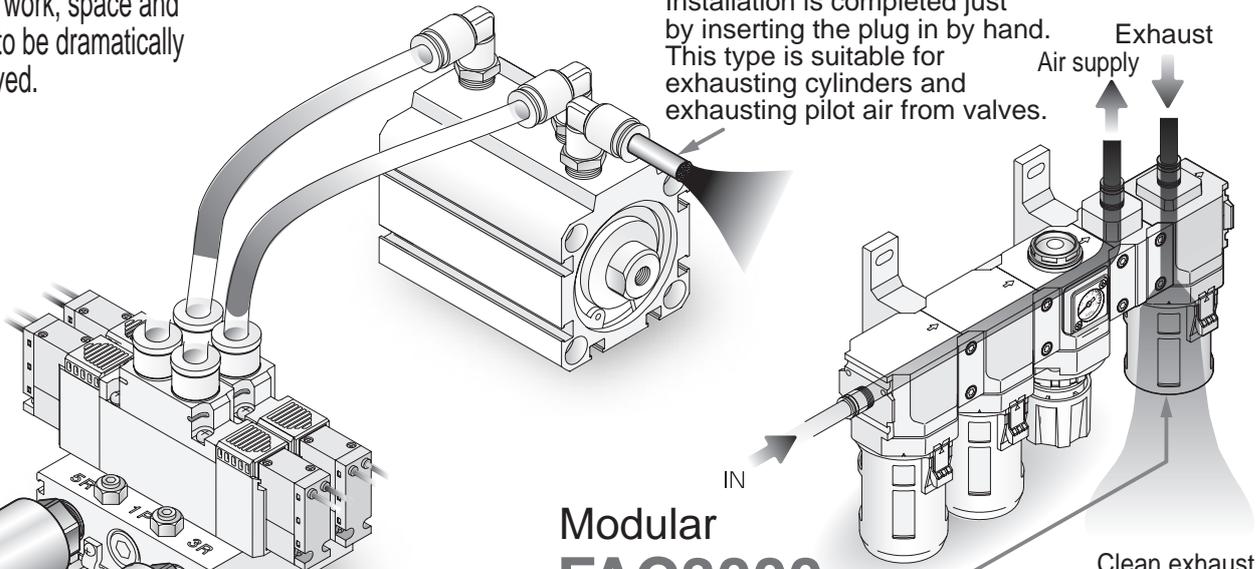
The innovative clean exhaust filter FAC Series with the newly incorporated hollow fiber membrane structure allows the exhaust air in the pneumatic circuit to be cleaned with high precision.

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

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

Plug 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.

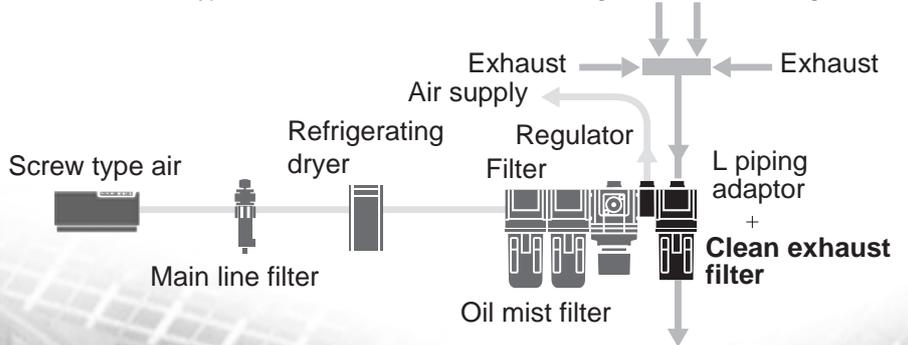


Modular FAC3000 Series

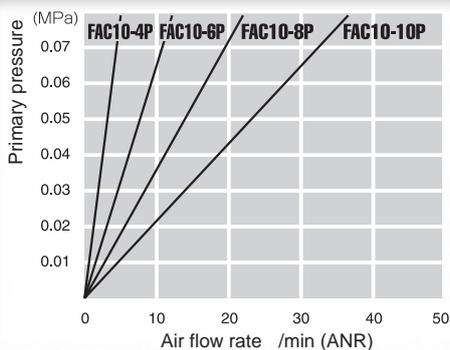
Piping is not required when this type is connected to other modular devices (C-type, T-type bracket, piping adaptor, distributor, etc.). This type is suitable for central exhaust and large flow rate exhausting.

Silencer FAC100/200 Series

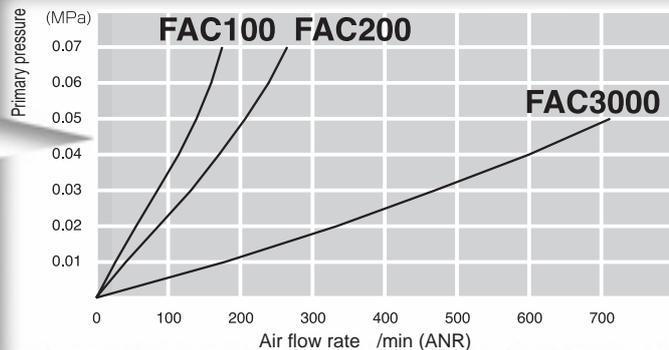
This male thread is provided with a silencer function, and can be directly installed on the valve's R port.



Flow characteristics/FAC10



Flow characteristics/FAC100, FAC200, FAC3000



Revolutionary exhaust system for clean rooms

Precise filtration

0.01 μm filtration, 99.99% removal efficiency

High secondary cleanliness

99.999% of 0.1 μm and larger particles are removed

* Measurement conditions: 28.3 /min (ANR) flow rate

Cost reducing and space saving

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

Simplified piping

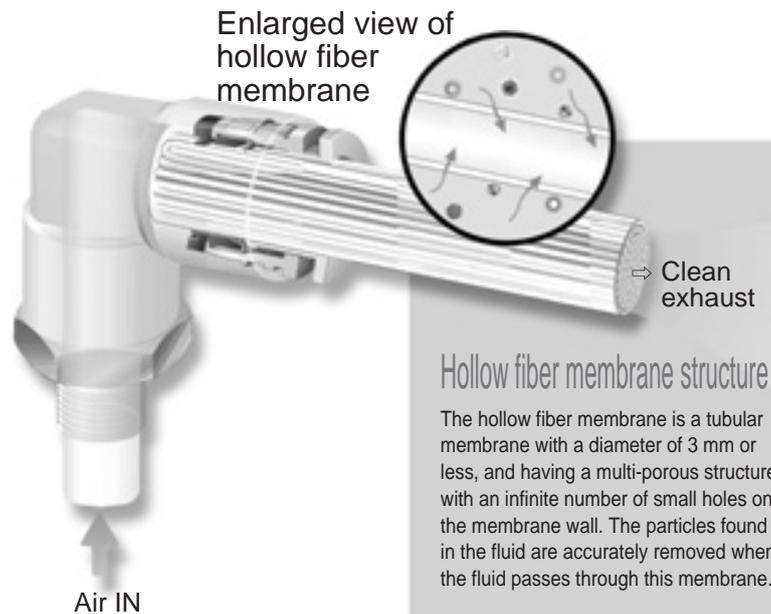
All external exhaust piping can be eliminated by mounting the plug type on the cylinder and the silencer on the switching valve, thereby simplifying the piping.

Silencer function

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

Ample variations

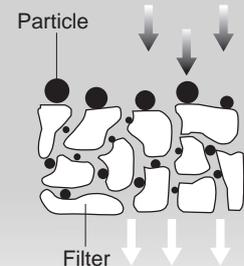
Three styles, the plug, silencer and modular as well as four flow rate series, 4 to 35, 100, 200 and 600 /min (ANR) are available.



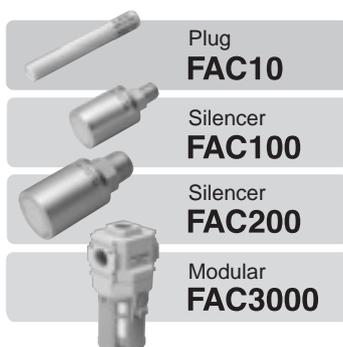
Hollow fiber membrane structure

The hollow fiber membrane is a tubular membrane with a diameter of 3 mm or less, and having a multi-porous structure with an infinite number of small holes on the membrane wall. The particles found in the fluid are accurately removed when the fluid passes through this membrane.

■ Hollow fiber membrane



Clean exhaust filter FAC Series Variation



Flow rate [ℓ /min (ANR)]	Port size								Ambient temperature range				Page			
	4 to 35	100	200	600	Push in				Male thread		Female thread					
				\varnothing 4	\varnothing 6	\varnothing 8	\varnothing 10	R1/8	R1/4	R3/8	R1/2	Rc3/8	Rc1/2	5 to 45	5 to 40	
Plug FAC10	●				●	●	●	●								824
Silencer FAC100		●							●	●						826
Silencer FAC200			●								●	●				826
Modular FAC3000				●									●	●		828

Precautions for selecting model
This is a high precision filtration, 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.

SCPD3
SCM
SSD2
MDC2
SMG
LCM
LCR
LCG
LCX
STM
STG
STR2
MRL2
GRC
Cylinder Switch
MN3E MN4E
4GA/B
M4GA/B
MN4GA/B
F.R.(module unit)
Clean F.R
Precision R
Press gauge Diff. press gauge
Electro-pneumatic R
Speed controller
Auxiliary valve
Fitting/tube
Clean air unit
Pressure sensor
Flow rate sensor
Valve for air blow
Ending