



Efficiency / *Economic* / *Precision*



▲ Air control (internal)



▲ Individual supply pump



▲ Electronic control
(Siemens PLC)



▲ Centralized supply pump



▲ Filter tower with filter
candles



▲ Filter pump



▲ Oil chiller



▲ Magnetic separator



Quality First, Customer Priority.

Filtration System Series

* All specification, dimension and design are subject to change without prior notice.



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FC-300

Micron Oil Filtration System



FARMAN MACHINERY IND. CO., LTD.



Filter precision to 1µm

The most advanced
filtration technology

FC-300A

Specification: 1600x1100x1500mm
Filter tower: 1
Flow rate: 140L/min
Capacity: 700L
Filtering accuracy: 1µm
Filter pump: 1
Supply pump: upon request



◀ One carbide tungsten
sludge mud collect
basket.



◀ Internal filter tower
(with filter candles)

The system can be automatically filtering,
cooling and removal of cutting powder,
it can extend the life of the machine and
raise the quality of the tool.

The back-flush of filtration system can
be set. Customized systems design to fit
for machines and shop floor layout, which
are not only to single & multiple system,
but also central system to supply complete
plant. The total solution is from design
and installation to maintenance.

▲ The oil will be filtering out very clean.

Features:

1. Use Grundfos pump.
2. Use Siemens controllers.
3. The system has been tested 24 hours from lots of users.
4. Customized design upon the request.
5. Tungsten carbide sludge can be collected fully, with an excellent filtering effect to 1µm.
6. Magnetic separator can be installed while grinding HSS cutting tools.
7. When cutting oil viscosity at max. 5 cSt, the filter candles can be replaced after using 12000~15000 hours.
8. Upon request to choose oil cooling system with 7500Kcal, 9000Kcal & 15000Kcal. Temperature can be controlled ± 1 degree or special requirements.
9. There are two sludge collected area to increase the filtration efficiency and extend life of filter candles.
10. Use solenoid valve made in Italy, check valve and pneumatic valve.

▲ Cutting oil before
filtering / after filtering

FC-300C

Specification: 2600x1500x1500mm
Filter tower: 3
Flow rate: 420L/min
Capacity: 2000L
Filtering accuracy: 1µm
Filter pump: 3
Supply pump: upon request



FC-300A(L)

Specification: 1600x1300x1500mm
Filter tower: 1
Flow rate: 140L/min
Capacity: 900L
Filtering accuracy: 1µm
Filter pump: 1
Supply pump: upon request



FC-300B

Specification: 2200x1500x1500mm
Filter tower: 2
Flow rate: 280L/min
Capacity: 1500L
Filtering accuracy: 1µm
Filter pump: 2
Supply pump: upon request



FC-2001

Specification: 1260x1150x540mm
APM bag filter & filter: 2
Flow rate: 80L/min
Capacity: 600L
Filtering accuracy: 3µm
Filter pump: 1
Supply pump: upon request

