



HC FENG CO.,LTD.

Magnetic Centrifugal Filter FOODIE II

Are you still removing the thick and heavy metal-containing sludge the old-fashioned way?

The old-fashioned way:

stop the machine → pull the tank out → drain the fluid → take time and manpower to remove the metal-containing sludge.

It's a costly big job that is not very efficient.

The magnetic centrifugal filter is your easy and quick solution.



Model: FOODIE II

Size: 75*60*125 cm

Net weight: 77 kg

Front filter bucket: 5.5L

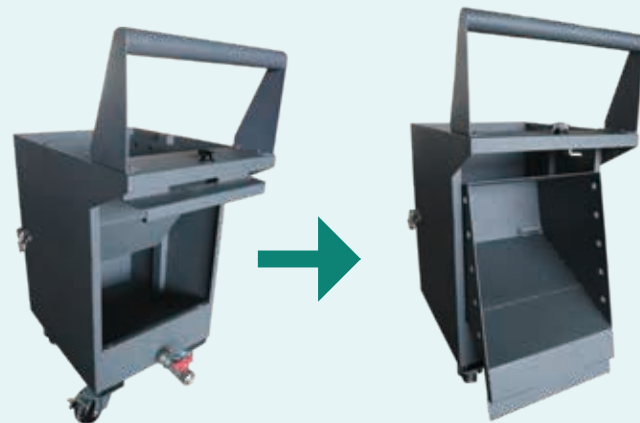
Air pressure: 0.5 bar~8.3 bar (7.25 psi~120 psi)

Pump processing capacity: 45~90 liters/per min (47.49 gallons/per min), tested with water

Voltage: single phase, 110V / 60Hz / 220V/ 50Hz

Option — debris cart

Debris cart — installed



Pour out impurities



Pneumatic pump



Optional—
Ozone device



- Centrifugal device
- Highly magnetic separation
- Extremely fine filtration
- No need to stop your machine
- No consumables needed
- Quick filtration
- Easy to move around
- Cutting fluids' service life prolonged

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Distributor

The combination of centrifugal device and magnetic separator is perfect for processing water- and oil-based cutting fluids and sludge containing magnetic dusts and shavings. The suction hose draws in all impurities. Large particles are intercepted at the first filtration bucket and the sludge-containing fluid goes into the centrifugal separator where the fine particles are filtered out centrifugally. The separated sludge is transferred to the outlet of the magnetic separation device. The shaving removal is quick and effective, which saves a lot of time waiting and minimizes the costs to replace consumables.



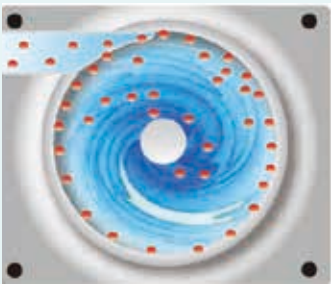
Front filtration bucket

Featuring a capacity of 5.5L, the bucket intercepts large particles like metal shavings.



VDF centrifugal filter

The filtration removes up to 90% of 10µm sludge in water-soluble cutting fluid and 80% in oil-base cutting fluid. This prolongs the service life of cutting fluid, reduces the number of times to clean the tank, in turn minimizing the operating costs. It helps to improve machining accuracy and prevent damage to the machining surface of equipment. The cyclone effect eliminates the need to replace filter core; i.e., no consumable material needed. No bubbles are formed as it does not blend in air.



Magnetic roller separator

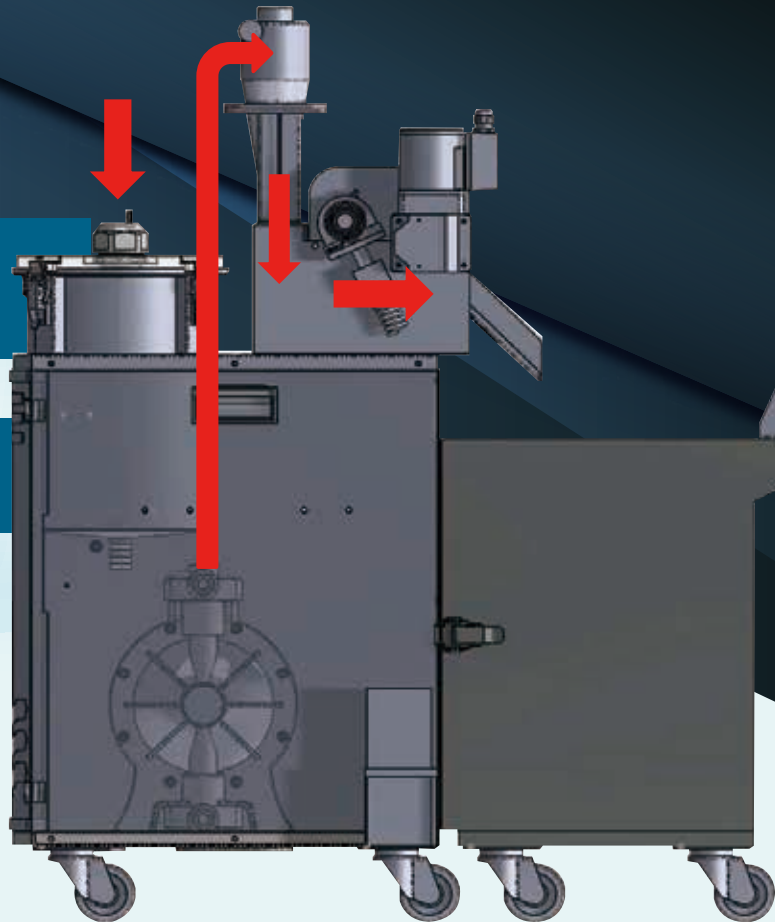
The roller is power-driven to improve draining. Magnetic metals, such as iron, are separated from massive quantity of powders or particles, making the design perfect for highly magnetic separation in large flow rate. The device generates extreme magnetic field up to 5,000 Gauss, significantly efficient in removing tiny metal particles.

Internal view – debris cart attached to the filter ▶

Abrasive Liquid Use Before & After ▼



Before After



Cast iron sludge – untreated



Cast iron sludge – treated



Transparent acrylic top cover provides a clear view in the filter bucket
Suction hose is wrapped at the end to prevent clogging



Built-in air gun for easy cleaning



The water return pipe is counterweighted to eliminate vibrations