

Operating Instructions for Magnetic Filter

Model: MFF

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Manufactured and sold by:

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2. Note

Please read these operating instructions before unpacking and putting the unit into operation. Follow the instructions precisely as described herein.

The instruction manuals on our website www.kobold.com are always for currently manufactured version of our products. Due to technical changes, the instruction manuals available online may not always correspond to the product version you have purchased. If you need an instruction manual that corresponds to the purchased product version, you can request it from us free of charge by email (info.de@kobold.com) in PDF format, specifying the relevant invoice number and serial number. If you wish, the operating instructions can also be sent to you by post in paper form against an applicable postage fee.

Operating instructions, data sheet, approvals and further information via the QR code on the device or via www.kobold.com

The devices are only to be used, maintained and serviced by persons familiar with these operating instructions and in accordance with local regulations applying to Health & Safety and prevention of accidents.

When used in machines, the measuring unit should be used only when the machines fulfil the EC-machine guidelines.

3. Instrument Inspection

Instruments are inspected before shipping and sent out in perfect condition.

Should damage to a device be visible, we recommend a thorough inspection of the delivery packaging. In case of damage, please inform your parcel service / forwarding agent immediately, since they are responsible for damages during transit.

Scope of delivery:

The standard delivery includes:

- Magnetic Filter model: MFF

4. Regulation Use

Any use of the Magnetic Filter, model: MFF, which exceeds the manufacturer's specification may invalidate its warranty. Therefore, any resulting damage is not the responsibility of the manufacturer. The user assumes all risk for such usage.

5. Operating Principle

KOBOLD magnetic filters are used in many applications, including central system filters, where it is necessary to protect devices from dirt and contamination. They are used to catch and remove contaminants from industrial cooling and lubrication circuits, especially where residue and sediment from assembly (such as chips from thread-cutting) and normal operation (such as scale and residue from frictional wear) can be carried along in the medium being filtered. Contaminants of these types can form deposits that can cause pitting and corrosion in highly sensitive measuring and control devices. Regular maintenance and cleaning of the magnetic filter inserts will effectively prevent system and device failure and the resulting downtime.

The magnetic filter collects the magnetic particles from the flowing heating water. It is to accent that the power of the magnetic filter stays constant and it is not necessary to change the magnetic bar unless the different parts have been damaged at will. A coarse filtration is made by a stainless steel filter cartridge. Single filters mounted in flowing direction directly in front of the instrument to be protected offer the best protection against magnetite and dirt in the heating water. A central filter is only useful in new heating installations which have been rinsed several times.

The MFF magnetic filter with flanged linkage can be used as an instrument protection filter and as central filter as it has a sufficiently big magnetic bar and therefore a sufficiently big filter surface. The standard execution is delivered with a stainless steel filter cartridge with 750 μ for the joints DN 50 and 65 or 1200 μ from DN 80. If desired the ZV magnetic filters with flanged linkage are delivered with a fine filter grade of 600 μ or 250 μ . The 250 μ type is a pleated filter cartridge with about triple filter surface.

6. Mechanical Connection

Vertical or horizontal mounting between two closing devices. For the vertical installation only a gravity-feed pipe is possible. For bigger tube diameters we recommend a drain and ventilation device in the tube which can be blocked. In any case the flowing direction arrow on the filter must be observed on installation. The flowing water first circulates around the magnetic bar and then passes – from the inside to the outside – the stainless steel filter cartridge.

7. Maintenance

In order to avoid disturbances a regular maintenance of the filter is absolutely necessary. In the first instance exact intervals cannot be stated because maintenance depends on the grade of contamination. A first control of the filter should be made already a short time after the start of operation. Depending on the magnetite and dirt particles found in the filter the next maintenance can be planned. This maintenance should be made once a year before the beginning of the heating period at minimum. The magnetic filter can be cleaned with water or air jet, also with brush and cleaning rag.

8. Technical Information

Operating instructions, data sheet, approvals and further information via the QR code on the device or via www.kobold.com

9. Order Codes

Operating instructions, data sheet, approvals and further information via the QR code on the device or via www.kobold.com

10. Dimensions

Operating instructions, data sheet, approvals and further information via the QR code on the device or via www.kobold.com

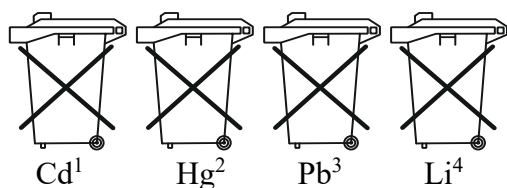
11. Disposal

Note!

- Avoid environmental damage caused by media-contaminated parts
- Dispose of the device and packaging in an environmentally friendly manner
- Comply with applicable national and international disposal regulations and environmental regulations.

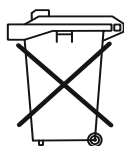
Batteries

Batteries containing pollutants are marked with a sign consisting of a crossed-out garbage can and the chemical symbol (Cd, Hg, Li or Pb) of the heavy metal that is decisive for the classification as containing pollutants:



1. „Cd" stands for cadmium
2. „Hg" stands for mercury
3. „Pb" stands for lead
4. „Li" stands for lithium

Electrical and electronic equipment



12. EU Declaration of Conformance

We, KOBOLD Messring GmbH, Nordring 22-24, 65719 Hofheim, Germany, declare under our sole responsibility that the product:

Magnetic Filter **Model: MFF-...**

to which this declaration relates is in conformity with the following EU directives stated below:

2011/65/EU
2015/863/EU

RoHS (category 9)
Delegated Directive (RoHS III)

Hofheim, 10 October 2023

Two handwritten signatures in blue ink. The first signature is on the left, belonging to H. Volz, and the second is on the right, belonging to J. Burke.

H. Volz
General Manager

J. Burke
Compliance Manager