

Operating Instructions for Magnetic Filters and Dirt Traps

Model: MFT

1. Contents

1.	Contents	2
2.	Note	3
3.	Instrument Inspection	3
4.	Regulation Use	3
5.	Operating Principle	4
6.	Mechanical Connection	4
7.	Maintenance	5
8.	Technical Information	6
9.	Order Codes	6
10.	Dimensions	6
11.	Disposal	7
12.	EU Declaration of Conformance	8

Manufactured and sold by:

Kobold Messring GmbH Nordring 22-24 D-65719 Hofheim Tel.: +49(0)6192-2990 Fax: +49(0)6192-23398 E-Mail: info.de@kobold.com Internet: <u>www.kobold.com</u>

page 2

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 <u>www.kobold.com</u> 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 (<u>info.de@kobold.com</u>) 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 <u>www.kobold.com</u>

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: MFT

4. Regulation Use

Any use of the Magnetic Filter, model: MFT, which exceeds the manufacturers 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 MFT adapter magnetic filter has an especially big magnetic bar and a stainless steel filter cartridge. Therefore, it can be used as a central filter for new small and medium heating systems. Furthermore, this filter is appropriate for such systems where an especially high magnetite and dirt contents is to be expected.

The standard execution of the MFT adapter magnetic filters is delivered with a stainless steel filter cartridge (70/197 mm) with a filtering grade of 600 μ . If desired it can also be supplied with a filter cartridge with a filtering grade of 400 μ or 800 μ .

6. Mechanical Connection

Before mounting:

- Remove all transport safety devices. Observe that there won't be any parts of the package in the armature.
- Satisfy yourself that the armatures/vales will only be used within their admissible limiting value (see technical data).
- After the mechanical connection check the tightness of the connection screw connection/tube, if possible.

Horizontal mounting between two closing devices. We recommend a drain 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 <u>www.kobold.com</u>

9. Order Codes

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

10. Dimensions

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

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/Dirt Trap Model: MFT-...

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

H. Volz General Manager

J. Burke Compliance Manager