



# **Operating Instructions for Ball Type Flow Indicator**

**Model: DKB**



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### 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](mailto:info.de@kobold.com)  
Internet: [www.kobold.com](http://www.kobold.com)

## **2. Note**

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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](http://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](mailto: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](http://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.

### **as per PED 2014/68/EU**

In acc. with Article 4 Paragraph (3), "Sound Engineering Practice", of the PED 2014/68/EU no CE mark.

Diagram 8, Pipe, Group 1 dangerous fluids

## **3. Instrument Inspection**

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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:

- Ball Type Flow Indicator model: DKB

## 4. Regulation Use

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Any use of the Ball Type Flow Indicator, model: DKB, 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

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During flow the plastic ball heaves out of its seat and indicates a flow movement in the pipeline. If the flow stops the ball will fall back into its seat.

## 6. Mechanical Connection

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### Before installation

- Remove all transport restraints and make sure that none of the packing remains in the instrument.
- Make sure that the maximum allowed operating pressures and service temperatures are not exceeded (see **Fehler! Verweisquelle konnte nicht gefunden werden.. Fehler! Verweisquelle konnte nicht gefunden werden.**)
- Mount the Flow Indicator horizontally with the glass dome on top and tension-free into the pipe.
- Avoid water hammer in the measuring tube e.g. caused through a sudden shut off the flow.
- If possible, check after mechanical installation that the threaded joint/pipe connection is tight.

## **7. Technical Information**

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Operating instructions, data sheet, approvals and further information via the QR code on the device or via [www.kobold.com](http://www.kobold.com)

## **8. Order Codes**

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Operating instructions, data sheet, approvals and further information via the QR code on the device or via [www.kobold.com](http://www.kobold.com)

## **9. Dimensions**

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Operating instructions, data sheet, approvals and further information via the QR code on the device or via [www.kobold.com](http://www.kobold.com)

## 10. Disposal

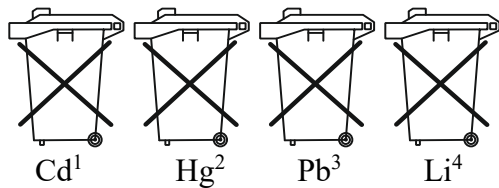
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### Note!

- 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.

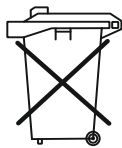
### Batteries

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



## **11. EU Declaration of Conformance**

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

**Ball Type Flow Indicator**

**Model: DKB**

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)

Also, the following standards are fulfilled:

**EN IEC 63000:2018** Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Hofheim, 04 Sept. 2023



H. Volz  
General Manager



J. Burke  
Compliance Manager

## 12. UK Declaration of Conformity

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

**Ball Type Flow Indicator**

**Model: DKB**

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

**S.I. 2012/3032**      The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Also, the following standards are fulfilled:

**BS EN IEC 63000:2018**

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

Hofheim, 04 Sept. 2023

Two handwritten signatures in blue ink. The first signature is on the left, and the second is on the right, connected by a horizontal line.

H. Volz  
General Manager

J. Burke  
Compliance Manager