

## **BOA-Control IMS:**

### **Short text:**

Soft-seated balancing and shut-off valve with flanged ends, with ultrasonic sensors for measuring flow rate and temperature, sensors not in contact with fluid handled; for use in heating, ventilation, air-conditioning systems and cooling circuits, face-to-face length to EN 558/1, single-piece body made of EN-GJL-250 (5.1301), with non-rising handwheel, throttling plug, scaled position indicator, locking device, travel stop and insulating cap with anti-condensation feature

**Manufacturer/type: KSB/BOA-Control IMS**

Pressure class: PN 16  
Nominal size: DN 15-350  
(DN 250-350 BOA-Control IMS, type BOA-H, metal-seated)

### **Long text:**

Soft-seated balancing and shut-off valve with flanged ends, with ultrasonic sensors for measuring flow rate and temperature, sensors not in contact with fluid handled; constant measuring accuracy when combined with BOATRONIC MS or BOATRONIC MS-420 independent of minimum differential pressures; with locking device, travel stop, scaled position indicator above the handwheel, insulating cap with anti-condensation feature, face-to-face length to EN 558/1, up to DN 200 with single-piece body made of EN-GJL-250 (5.1301), for use in heating, ventilation, air-conditioning systems and cooling circuits; straight-way valve in slanted seat design; suitable for full insulation in acc. with applicable German energy saving regulations (EnEV), -10 to 120 °C, non-rotating stem made of 1.4021 with protected external thread, non-rising handwheel; with compact, fully EPDM-encapsulated throttling plug providing soft main and back seat, stem sealed by EPDM profile ring, maintenance-free, with blue exterior coating (similar to RAL 5002); designed, manufactured, tested and marked in acc. with the European Pressure Equipment Directive

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Nominal size: DN 15-350  
(DN 250-350 BOA-Control IMS, type BOA-H, metal-seated)

### **Variants:**

with lead-sealable cap (prevents unauthorised actuation) as assembly set  
or  
with electric actuator (DN 15-200)  
or  
as BOA-Control model (prepared for flow rate and temperature measurement, without permanently attached sensors)

## **Accessories:**

### **BOATRONIC MS**

Measuring computer for measurement with all KSB BOA-Control and KSB BOA-Control IMS globe valves using ultrasonic sensors; directly displays DN, fluid handled, current flow rate and fluid temperature without prior input of valve travel; constant accuracy independent of minimum differential pressures, 4-key operation for all menu options, data transfer between BOATRONIC MS and customer's IT system via USB interface, with automatic and manual calibration and measuring function, fluid data can be selected, with battery compartment for 4 x 1.5 V AA MIGNON batteries (not included in scope of supply); automatic warning when voltage drops below the permissible minimum voltage (BAT), operating manual in three languages, sturdy cardboard packaging; including magnetically attaching sensor set for measuring all BOA-Control globe valves

### **BOATRONIC MS-420**

Measuring computer for permanent measurement set-ups with all KSB BOA-Control IMS globe valves using ultrasonic sensors; directly displays DN, fluid handled, current flow rate and fluid temperature; analog transmission (4-20 mA output signal) of current flow rate, fluid temperature and error messages, constant accuracy independent of minimum differential pressures, 4-key operation for all menu options, with automatic and manual calibration and measuring function, fluid data can be selected, 24 V DC power supply, operating manual in three languages, sturdy cardboard packaging

**Lead-sealable handwheel cap** prevents unauthorised closing, as assembly set

### **Insulation shells**

Insulation shells for heating applications, consisting of polystyrene case and polyurethane fill, for nominal sizes DN 15 to DN 150 in compliance with applicable German energy saving regulations (EnEV), up to a temperature of +130 °C, thermal conductivity 0.029 W/mK at 40 °C; locking rings or straps made of steel for closing the shells

**Typical tender BOA-Control IMS**

**7128.521/02-EN**

**Subject to technical modification without prior notice**

**25.03.2020**