

## **BOA-CVE IMS EKB:**

### **Short text:**

Soft-seated control valve in straight-way pattern with ultrasonic sensors for measuring flow rate and temperature, sensors not in contact with fluid handled, DVGW-approved according to DIN 3546-1 for drinking water, for use in water supply, air-conditioning, ventilation, drinking water systems and industrial cooling circuits, face-to-face length to EN 558/1, single-piece body made of EN-GJL-250 (5.1301) with internal and external electrostatic plastic coating (EKB), throttling plug, actuators 24 V AC/DC or 230 V AC with continuous actuation or 24 V AC/DC or 230 V AC with 3-point actuation

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

Pressure class: PN 16  
Nominal size: DN 15 - 200  
kvs values: 3 m<sup>3</sup>/h –700 m<sup>3</sup>/h

### **Long text:**

Soft-seated control valve with ultrasonic sensors for measuring flow rate and temperature, sensors not in contact with fluid handled; constant measuring accuracy when combined with BOATRONIC MS-420 independent of minimum differential pressures; with intelligent microprocessor-controlled electric actuator (mounted and set), face-to-face length to EN 558/1, single-piece body made of EN-GJL-250 (5.1301), with internal and external electrostatic plastic coating (EKB), for use in water supply, air-conditioning, ventilation, drinking water systems and industrial cooling circuits; DVGW-approved according to DIN 3546-1 for drinking water. Straight-way valve in slanted seat design; suitable for full insulation in acc. with applicable German energy saving regulations (EnEV), -10 to +40 °C, non-rotating stem made of 1.4021, with compact, fully EPDM-encapsulated throttling plug providing soft main and back seat, stem sealed by EPDM profile ring, maintenance-free; designed, manufactured, tested and marked in acc. with the European Pressure Equipment Directive

Microprocessor-controlled electric actuators (continuous / 3-point 24 V AC/DC or continuous 230 V AC) from 1200 to 14,000 N; all major parameters such as travel, characteristic, actuating signal, actuating time, etc., can be configured electronically.

3-point 230 V AC electric actuators from 1200 to 14,000 N are controlled via limit switches.

CE-compliant as per EMC Directive, EC Directive on Low-voltage Equipment

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**Valve accessories:** with BOATRONIC MS-420 measuring computer

**Actuator accessories:** with internal process controller  
with power back-up unit  
with actuator heating

***Variants:***

Nominal sizes DN 15 to DN 50 with EA-B10 actuators (24 V AC/DC), continuous  
Nominal sizes DN 15 to DN 50 with EA-B10 actuators (24 V AC/DC), 3-point

Nominal sizes DN 32 to DN 80 with EA-C20 actuators (24 V AC/DC), continuous  
Nominal sizes DN 32 to DN 80 with EA-C20 actuators (230V AC/DC), continuous  
Nominal sizes DN 32 to DN 80 with EA-C20 actuators (24 V AC/DC), 3-point  
Nominal sizes DN 32 to DN 80 with EA-C20 actuators (230V AC/DC), 3-point

Nominal sizes DN 40 to DN 125 with EA-C40 actuators (24 V AC/DC), continuous  
Nominal sizes DN 40 to DN 125 with EA-C40 actuators (230V AC/DC), continuous  
Nominal sizes DN 40 to DN 125 with EA-C40 actuators (24 V AC/DC), 3-point  
Nominal sizes DN 40 to DN 125 with EA-C40 actuators (230V AC/DC), 3-point

Nominal sizes DN 50 to DN 150 with EA-C80 actuators (24 V AC/DC), continuous  
Nominal sizes DN 50 to DN 150 with EA-C80 actuators (230V AC/DC), continuous  
Nominal sizes DN 50 to DN 150 with EA-C80 actuators (24 V AC/DC), 3-point  
Nominal sizes DN 50 to DN 150 with EA-C80 actuators (230V AC/DC), 3-point

Nominal sizes DN 100 to DN 200 with EA-C140 actuators (24 V AC/DC), continuous  
Nominal sizes DN 100 to DN 200 with EA-C140 actuators (230V AC/DC), continuous  
Nominal sizes DN 100 to DN 200 with EA-C140 actuators (24 V AC/DC), 3-point  
Nominal sizes DN 100 to DN 200 with EA-C140 actuators (230V AC/DC), 3-point

**Typical tender for BOA-CVE IMS EKB**

**7520.526/02-EN**

**Subject to technical modification without prior notice**

**16.06.2020**