

## **BOA-CVE IMS:**

### **Short text:**

Soft-seated control valve in straight-way pattern as balancing and shut-off valve, with ultrasonic sensors for measuring flow rate and temperature, sensors not in contact with fluid handled; with intelligent microprocessor-controlled actuator, for use in standard heating, ventilation and air-conditioning systems, DN 15-200 PN 16, face-to-face length to EN 558/1, single-piece body made of EN-GJL-250.

Actuators 24 V AC or 230 V AC with continuous actuation or 24 V AC 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:**

Maintenance-free, soft-seated control valve in straight-way pattern as balancing and shut-off valve, with ultrasonic sensors for measuring flow rate and temperature, sensors not in contact with fluid handled; with intelligent microprocessor-controlled electric actuator (mounted and set), for use in standard heating, ventilation and air-conditioning systems,

straight-way valve in slanted seat design, single-piece body made of EN-GJL-250, face-to-face length to EN 558/1, DN 15-200 PN 16, with compact, fully EPDM-encapsulated throttling plug providing soft main and back seat, stem sealed by EPDM profile ring, maintenance-free; -10 to 120 °C, suitable for full insulation in acc. with German heating system regulations (HeizAnlV); stem made of 1.4021, with blue exterior coating (similar to RAL 5002); designed, manufactured, tested and marked in acc. with the European Pressure Equipment Directive.

Microprocessor-controlled electric actuators (continuous / 3-point 24 V AC 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

**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

**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-B12 actuators (24 V AC), continuous

Nominal sizes DN 15 to DN 50 with EA-B12 actuators (24 V AC), 3-point

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

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

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

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

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

**7520.525/01-EN**

**Subject to technical modification without prior notice**

**23 April 2018**