

## **BOA-CVE SuperCompact:**

### **Short text:**

Soft-seated control valve in straight-way pattern, with intelligent microprocessor-controlled actuator, for use in standard heating, ventilation and air-conditioning systems, face-to-face length of DN 20-150 to EN 558/94 (DN 200 PN 6 or PN 16: face-to-face length see BOA-Compact), single-piece body made of EN-GJL-250, bolt hole patterns for PN 6 to PN 16 in a single body.

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 SuperCompact**

Pressure class: PN 6/10/16  
Nominal size: DN 20-150 (200)  
kvs values: 6.3 m<sup>3</sup>/h – 400 m<sup>3</sup>/h (700 m<sup>3</sup>/h)

### **Long text:**

Maintenance-free, soft-seated control valve 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 of DN 20-150 to EN 558/94 (DN 200 PN 6 or PN 16: face-to-face length see BOA-Compact)

Body with flange alignment holes corresponding to flange thickness to DIN EN 1092 and full bolt hole pattern for PN 6 to 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 (HeizAnIV); 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

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kvs values: 6.3 m<sup>3</sup>/h – 400 m<sup>3</sup>/h (700 m<sup>3</sup>/h)

### **Variants:**

Nominal sizes DN 20 to DN 50 with EA-B12 actuators (24 V AC), continuous  
Nominal sizes DN 20 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 SuperCompact**

**7520.521/01-EN**

**Subject to technical modification without prior notice**

**23 April 2018**