

## **BOACHEM-ZXAB/ZYAB**

### **Short text:**

Metal-seated, maintenance-free shut-off valve with bellows. Body, bonnet, shut-off cone and bellows made of stainless steel in face-to-face dimensions according to EN 558/1 (prev. DIN 3202-1/F1).

Straight through design with non-rising stem and non-rising handwheel, position indicator, stem sealing with double-walled bellows and safety stuffing box made of flexible graphite.

Designed, manufactured, tested and marked in accordance with the European Pressure Equipment Directive 2014/68/EU (DGR).

**Manufacturer/type: KSB/BOACHEM-ZXAB/ZYAB**

Pressure class: PN 10 - 40  
Nominal size: DN 15 - 400  
kvs values: 4.3 m<sup>3</sup>/h – 1630 m<sup>3</sup>/h (DN 15 - 300)

### **Long text:**

Metal-seated, maintenance-free shut-off globe valve with bellows. Valve body straight-way pattern design, throttling disc is standard design for DN 100 and below and is optional for DN 125 and above. On-off disc design is standard for DN 125 and above. Balanced plug design is standard design for DN 150 and above, and is optional for DN 125 only. Non-rotating stem and non-rising hand wheel operation for DN 250 and below and gearbox operation for DN 300 and above as default. Position indicator is integral with stem and bonnet yoke. Stem sealing with multiple-walled metallic bellows and safety stuffing box of flexible graphite as secondary arrangement. Disc guiding device is standard for DN 150 and above. The valve is mainly used for steam, thermal oil, corrosive fluids, high-temperature water and so on in petrochemical, chemical, processing engineering and food and beverage industry.

Pressure-containing components such as body, bonnet made of stainless steel G X 5 CrNiMo 19-11-2 (1.4408), internals i.e. shut-off cone and stem made of SS316 stainless steel, and bellows made of SS316L stainless steel, in face-to-face dimensions according to EN 558-1/1 (prev. DIN 3202-1/F1) and flanged ends dimension according to EN 1092-1 (ISO 7005) type B1.

Designed, manufactured, tested and marked in accordance with the European Pressure Equipment Directive 2014/68/EU (DGR) for fluids in Groups 1 and 2. Valves having no a potential internal source of ignition and can be used in potentially explosive atmospheres, Group II, category 2 (zones 1+21) and category 3 (zone 2+22) to ATEX 2014/34/EU.

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Nominal size: DN 15  
kvs values: 4.3 m<sup>3</sup>/h – 1630 m<sup>3</sup>/h (DN 15 - 300)

**Variants:**

*Throttling plug for DN125 and above*

*Balanced plug for DN125*

*Leakage detection hole*

*Stellited seat/disc interface*

*Valve disc with PTFE gasket (available for 200°C and below)*

*Applications down to minus 60°C*

*Locking device*

*Limit switch(es)*

*Serrated gasket (PTFE coated)*

*Oil and grease-free*

*PTFE packing*

*Other flanges designs*

*Straight-way Y-type pattern body (DN 15 - 200)*

**Typical tender for BOACHEM-ZXAB/ZYAB**

**8146.11/01-EN**

**Subject to technical modification without prior notice**

**03.03.2020**