

## BOA<sup>®</sup>-CVE/CVP H – Service-friendly Control Valve



BOA<sup>®</sup>-CVE H

### Applications:

- General industrial facilities
- Process engineering
- Plant engineering
- Cooling circuits
- Heating systems

The limits given in the technical codes must be complied with. Please contact us for details.

### More information:

[www.ksb.com/products](http://www.ksb.com/products)



BOA<sup>®</sup>-CVP H with  
SMARTRONIC positioner

Your contact:


# BOA®-CVE/CVP H – Service-friendly Control Valve for Basic Water and Steam Applications

## 1 Easy to maintain

The valve trim can be dismantled without any special tools by simply unscrewing the bonnet bolts.

## 2 Doubly safe

Both sides of the seat can be used. Should the seat be damaged, it is sufficient to simply turn it over instead of replacing it.

## 3 Enhanced application options at no extra charge

Standard two-stage pressure reduction (parabolic plug with multi-hole cage), for reduced noise level.

## 4 Versatile use

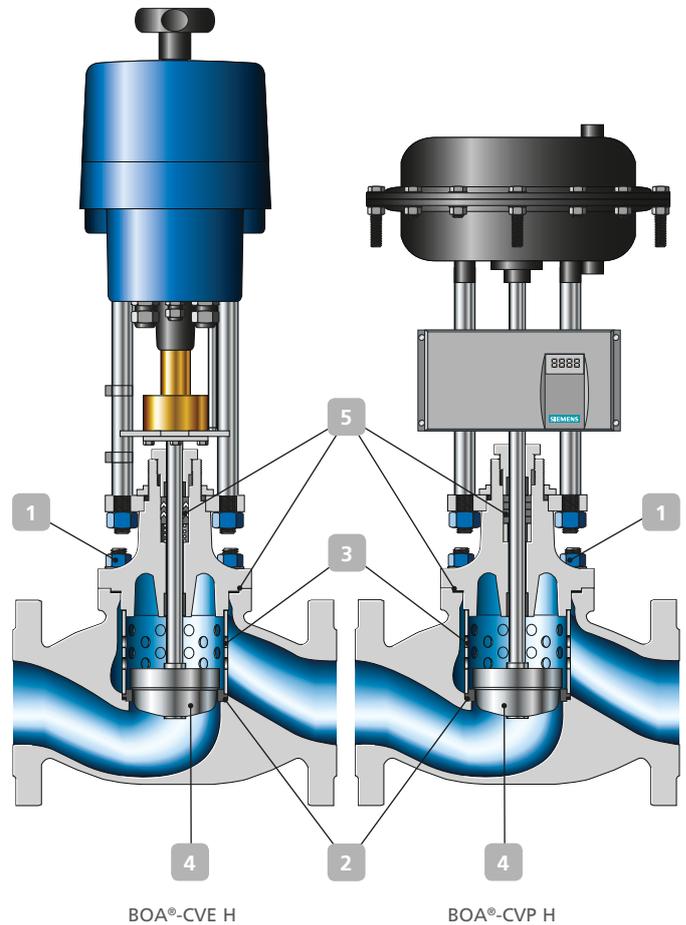
Individual control requirements can be met with a great variety of valve seat and plug diameters. Valve plug available with equal-percentage or linear characteristic.

## 5 Optimised tightness

Valve with fully confined bonnet gasket and either maintenance-free PTFE V-rings with spring or high-temperature resistant graphite gland packing.

## 6 Wide range of actuators

State-of-the-art electric and pneumatic actuators with comprehensive control equipment and accessories.



### Variants

Balanced plug for DN ≥ 65
Anti-cavitation design
Seat with PTFE gasket
Minimised K <sub>v</sub> values
High-temperature resistant paint (grey aluminium)
Special flange designs

### Available in

Nodular cast iron EN-GJS-400-18-LT	DN 20 to DN 150
Cast steel EN-GP-240-GH	DN 15 to DN 200

### Pressure/temperature ratings

Nom. pressure	Material	Permissible operating pressures in bar at a temperature of °C <sup>1)</sup>								
		RT <sup>2)</sup>	+100 <sup>3)</sup>	+150	+200	+250	+300	+350	400	450
PN 16	EN-GJS-400-18-LT	16	16	15,5	14,7	13,9	12,8	11,2	–	–
PN 25	EN-GJS-400-18-LT	25	25	24,3	23	21,8	20	17,5	–	–
PN 40	EN-GP-240-GH	40	37,1	35,2	33,3	30,4	27,6	25,7	23,8	13,1

<sup>1)</sup> Intermediate temperatures can be derived by linear interpolation

<sup>2)</sup> RT: Roomtemperature (-10 °C to +50 °C)

<sup>3)</sup> EN-GJS-400-18-LT up to 120 °C

### Additional type series

BOA®-CVE Compact	BOA®-CVE Control IMS	BOA®-H Mat E
BOA®-CVE SuperCompact	BOA®-CVE Compact EKB	BOA®-H Mat P



KSB SE & Co. KGaA  
Johann-Klein-Straße 9  
67227 Frankenthal (Germany)  
www.ksb.com