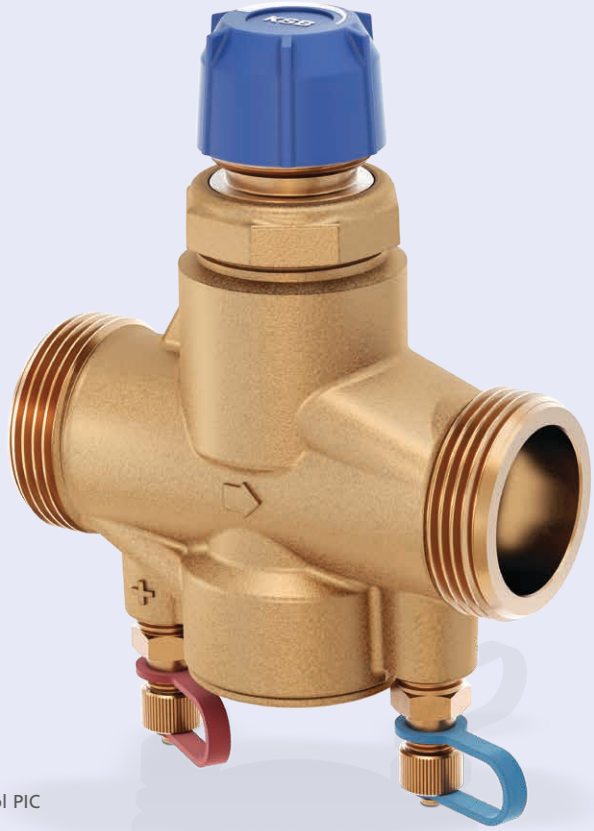
BOA-Control PIC –
Pressure-independent Control Valve



BOA-Control PIC
DN 10–25

Hydraulic balancing solutions from a single source

Applications:

- Heating systems
- Air-conditioning systems
- Ventilation systems
- New and existing constant-flow systems
- Dynamic hydraulic balancing

More information: www.ksb.com

BOA-Control SBV

BOA-Control DPR

BOA-Control PIC
DN 10–25 with actuator

BOA-Control PIC
DN 32–50

BOA-Control PIC
DN 65–150

BOA-Control /
BOA-Control IMS

BOA-Control PIC – Pressure-independent Control Valve

Straightforward selection and hydraulic balancing

- Straightforward selection and commissioning using the calculated volume flow rate (plug & play), no time-consuming initial balancing procedure
- Flexible use thanks to different setpoint ranges and continuous setpoint adjustment
- Comprehensive control functions due to a variety of actuators (on/off, 3-point, continuous-action, thermal)
- Zoning of hydraulic systems into constant-flow sections results in optimum system behaviour in full-load and part-load operation.
- Simple hydraulic balancing during the refurbishment of constant-flow systems such as single-pipe heating systems

Low investment costs

- Cost and space benefits on account of five functions in one valve (control valve, flow limiter, measurement and diagnostic functions, differential pressure regulator, shut-off valve)
- No costly time-consuming iterative initial balancing required

High living comfort and energy savings

- Optimal supply to consumers during part-load and full-load operation increases living comfort and reduces energy costs (short payback periods).
- Optimised energy consumption due to consistently high valve authority of the integrated control valve
- Further savings potential through reduced pump power

Operating reliability

- Includes flushing and shut-off function
- Mechanical locking of selected presetting
- Extensive diagnostic functions thanks to integrated measuring ports (loan measuring kit available free of charge)
- High maximum differential pressure of 4 bar

BIM – Straightforward digital planning

- Digital product data sets optimised for planning, available for the entire valve programme (PN 6 to PN 40) for building services and supply systems
  - VDI 3805 standard (sheets 2 and 17)
  - Revit (family files and plug-in)
- Direct availability in planning programs such as liNear, Trimble Nova, mh-software, and many more
- CAD/BIM database: KSB PARTcommunity

Download
KSB BOA-Control Calc
selection program

Related type series:
Balancing, monitoring and control

BOA-MP (measuring pipe)
BOA-Control SBV (static balancing valve)
BOA-Control (EKB)
BOA-Control IMS (EKB)
BOA-Control DPR (differential pressure regulator)
BOA-Control PIC (pressure-independent control valve)
BOA-Systronic ePIC (smart measurement and control valve)

Measuring pipe BOA-MP

BOA-Systronic ePIC

Technical data

Type series	PN	DN	Temperature	Setpoint range	Connection
BOA-Control PIC	25 bar	10 to 25	-10 °C to +120 °C	43 to 1610 l/h	Male threaded ends
BOA-Control PIC	25 bar	32 to 50	-10 °C to +120 °C	465 to 8586 l/h	Female threaded ends
BOA-Control PIC	16 bar	65 to 100	-10 °C to +120 °C	4.4 to 160 m³/h	Flanged ends

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