

BOA-Systronic ePIC – The Smart Measurement and Control Valve



Intelligent valve, smart solutions:
Monitoring, control and optimisation

Applications:

- Hot-water heating systems
- Cooling and air-conditioning systems
- Local/district heating networks
- Industrial cooling circuits
- Drinking water systems

More information:
www.ksb.com/products



BOA-Control SBV



BOA-Control DPR



BOA-Control PIC



Measuring pipe BOA-MP



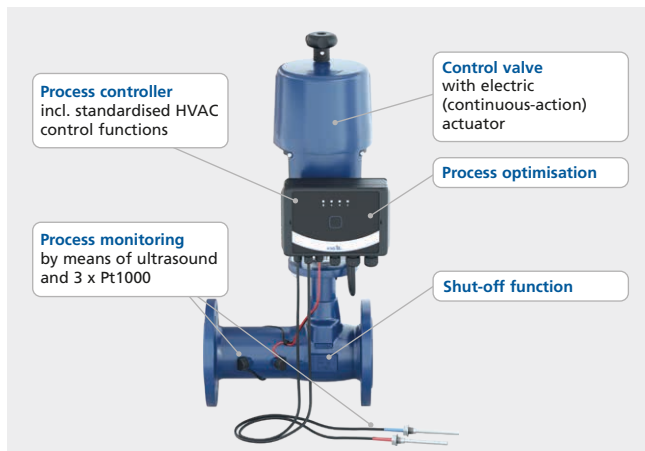
BOA-Control IMS +
BOATRONIC 100 MOD



BOA-Systronic ePIC
EKB

BOA-Systronic ePIC – Everything under Control: Monitoring, Control and Optimisation per Click

1 valve – 5 functions



Simple to plan, install and commission

- 5 functions in 1 valve for lower investment, installation and commissioning costs
- Smaller number of components minimises installation space and reduces installation work.
- Space requirement minimised by mono design and no need for downstream stabilisation distances
- Integrated control functions incl. application-specific default values reduce work and minimise error risk in control implementation.
- Easy commissioning and measurement per intuitive KSB FlowManager app

Actuator accessories

Power back-up unit

Sizes available

DN 15 to DN 200

Related type series

BOA-Control / BOA-Control IMS
BOA-MP

Pressure/temperature ratings

Nominal pressure	PN 16
Material	EN-GJL-250; (+ EKB)
Permissible operating pressure at -10 to +120 °C (BOA-Systronic ePIC) at -10 to +40 °C (BOA-Systronic ePIC EKB)	16 bar

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

Reliable, energy-efficient and cost-optimised system operation

- Maximum process and cost transparency through comprehensive monitoring (volume flow rate, supply and return temperature, thermal output, quantity of heat)
- Very user-friendly with pressure-independent control and integrated optimisation functions
- Higher control quality by full integration of all components in one device
- Easier and safer balancing in all load scenarios
- Safe integration in your building management system via analog and Modbus interfaces

Universal use

- Standard face-to-face length to EN 558/1 for easy replacement of installed valves
- Sizes from DN 15 to DN 200 (flanged ends)
- Measuring range up to a flow velocity of 4 m/s
- Suitable for water and water/glycol mixtures with a glycol content of up to 60 %

Highly user-friendly with innovative ultrasound technology

- Easy to handle as leakage risk is prevented by external sensors
- High measurement accuracy also in the case of deposits and contamination
- Energy-saving flow-optimised design without additional internals

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



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