

BOA-Control DPR – Continuously Adjustable Differential Pressure Regulator



BOA-Control DPR
DN 15–25

Hydraulic balancing solutions
from a single source

Applications:

- Heating systems
- Air-conditioning systems
- Ventilation systems
- Variable-flow systems
(e.g. two-pipe heating systems)
- Dynamic hydraulic balancing

More information: www.ksb.com



Partner valve
BOA-Control SBV



BOA-Control /
BOA-Control IMS



BOA-Control DPR
DN 32–50



BOA-Control DPR
DN 65–100



BOA-Control PIC



BOA-Systronic ePIC

BOA-Control DPR – Continuously Adjustable Differential Pressure Regulator

- Straightforward selection and hydraulic balancing**
 - Flexible application thanks to different setpoint ranges and continuous setpoint adjustment
 - User-friendly setting using handwheel or hexagon socket
 - Simplified commissioning and initial balancing as system section pressures are independent from each other
 - Pressure-independent zoning enables dynamic hydraulic balancing in full-load and part-load operation.
 - Also suitable for limiting the max. volume flow rate if used in combination with presettable thermostatic valves/partner valve BOA-Control SBV

- Low investment costs**
 - No costly time-consuming iterative initial balancing procedure of entire system
 - Multifunctional thanks to a large number of integrated functions, such as flushing, shut-off, draining and measuring

- High living comfort and energy savings**
 - Optimal supply of consumers in part-load and full-load operation minimises the thermal output and pump power required and increases living comfort.
 - Optimised energy consumption thanks to constant control quality of the downstream thermostatic and partner valves
 - Defined pressure conditions prevent flow noise.

- Operating reliability**
 - Includes flushing and shut-off function
 - 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 (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)

Technical data

Type series	PN	DN	Temperature	Setpoint range	Connection
BOA-Control DPR	25 bar	15 to 25	-10 °C to +120 °C	5 to 60 kPa	Female threaded ends
BOA-Control DPR	16 bar	32 to 50	-10 °C to +120 °C	20 to 80 kPa	Female threaded ends
BOA-Control DPR	16 bar	65 to 100	-10 °C to +120 °C	20 to 160 kPa	Flanged ends



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