

# Ballorex

Precision made easy

# Ballorex Vario

Double Regulating Valve



# BROEN

INTELLIGENT FLOW SOLUTIONS

# Efficient balancing of heating and cooling systems



Ballorex Vario is a double regulating valve with variable orifice for balancing of heating and cooling systems. The balancing performed ensures an evenly distributed water flow within individual risers and terminal units. Applications are typically central heating or cooling systems, as well as fan coil units in multi-storey or high-rise buildings.

The simplicity of the design makes Ballorex Vario an obvious choice for easy system balancing. Ballorex Vario is available from sizes DN 15 - 50, manufactured in dezincification resistant brass (DZR). For valve sizes DN 65 - 600 the Ballorex Venturi range is recommended.





## Compact design and flexible installation

The Ballorex Vario is compact, having flow measuring, pre-setting, and isolation function – all in one unit. This design ensures that the Ballorex Vario will fit even in confined spaces with restricted access.

Ballorex Vario can be installed in any position – regardless of flow direction. This ensures a flexible and error-free installation.

## Easy pre-setting and service

Ballorex Vario is provided with P/T plugs for differential pressure measuring during pre-setting and flow verification using a differential pressure flowmeter.

Pre-setting of the Ballorex Vario is easily done using an Allen-key. When the pre-setting is completed and the Allen-key removed, the setting is locked. Isolating the system flow is done by a simple quarter-turn of the valve handle. The position of the handle indicates whether the valve is open or closed.

The pre-setting and the isolating function of the Ballorex Vario operate independently, unlike common balancing valves. The system flow can therefore be isolated without changing the pre-setting.

Ballorex Vario is optionally provided with a drain valve. This drain valve can be rotated 360 for improved service in confined spaces.

Because of the new Ballorex Vario valve design, pre-setting and service are completed fast, easily, and safely.



## Perfect as partner valve

The Ballorex Vario with drain valve can via a capillary tube be connected to the Ballorex Delta differential pressure control valve. When Ballorex Vario and Ballorex Delta

are used combined in a system branch with terminal units, pressure fluctuations will be eliminated within this branch. The pre-set design flow of the Ballorex Vario valve will never be exceeded due to the constant differential pressure regulation performed.

System balancing of Ballorex Vario in combination with Ballorex Delta is quick and cost efficient. This combination also enables zone-balancing – making project completion and handovers in stages possible.



## **Ballorex** Dynamic

PICV - Pressure  
Independent Control Valve  
DN 15 - 50 (and DN 65 - 150)



# Complete line of balancing technologies

Ballorex is a complete range of balancing valves, covering all technologies from manual balancing valves, differential pressure control valves, to pressure independent control valves. A variety of different connections, insulation shells and accessories are also available.

The innovative Ballorex design is continuously being developed to make installation, balancing, and operation easier and faster, for improved end-user comfort and energy cost-savings.

To ensure long-life performance, all Ballorex valves are produced within EU according to ISO quality standards.

Ballorex valves are provided with an extensive support package of online technical catalogue information, apps, valve sizing software, and technical assistance.

For more information go to  
[www.ballorex.com](http://www.ballorex.com)

## **Ballorex** Venturi

Fixed Venturi nozzle  
DRV - Double Regulating Valve  
DN 15 - 50 and DN 65 - 600



## **Ballorex** Delta

DPCV - Differential  
Pressure Control Valve  
DN 15 - 50 and DN 65 - 80



## **Ballorex** Vario

Variable orifice  
DRV - Double Regulating Valve  
DN 15 - 50



## Ballorex Vario

- Ballorex Vario provides independent pre-setting and isolation in one unit
- Ballorex Vario is compact with bi-directional flow design for perfect flexibility and easy installation
- Ballorex Vario is perfect as a partner valve for Ballorex Delta differential pressure control valve



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