Belimo Energy Valve™.
Know where the energy is going.

EXPERIENCE
EFFICIENCY

The Belimo Energy Valve™, which consists of a 2-way characterised control valve, volumetric flow metre, temperature sensors and an actuator with integrated logic, combines the five functions of measuring, controlling, balancing, shutting and monitoring energy into a single installation-friendly unit. Unique functions such as the Delta-T manager or the possibility of direct power control provide clarity, increase efficiency and cut costs.

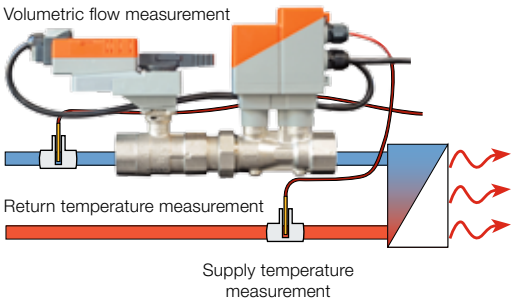
- Quick and certain dimensioning, simple commissioning
- Time-savings through automatic, permanent hydraulic balancing
- Ensuring the correct volume of water with differential-pressure changes and partial loads
- Transparency with respect to energy consumption for heating and cooling
- Trend-setting technology for maximum comfort with minimum energy consumption

Water is our element: www.belimo.eu

BELIMO

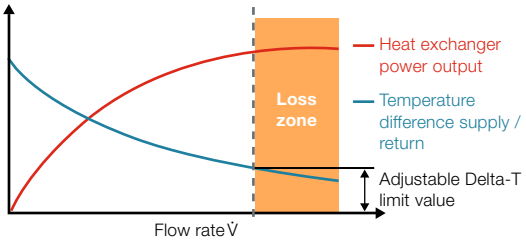
Belimo Energy Valve™.
Total transparency, maximum efficiency.

System transparency with energy monitoring



- **Transparent:** Recording of all system data of the previous 13 months indicates optimisation potentials; simple analysis on a PC
- **Innovative:** Power-control option, independent of differential pressure and water temperature
- **Versatile:** Conventional control or communication via Belimo MP-Bus®, BACnet IP and BACnet MS/TP
- **Time-saving:** Significantly reduced effort for hydraulic balancing
- **Flexible:** Adjustable maximum flow rate and adjustable maximum output
- **Energy-efficient:** No leakages thanks to air-bubble-tight characterised control valve

Operations optimisation with Delta-T manager



If cooling or heating coils are operated at an excessively high flow rate and thus at an excessively low differential temperature, above a certain operating point the energy consumption of the pumps and of the cooling and heat generators will rise – without increasing the power output.

Inefficient operation can be readily determined with the Belimo Energy Valve™. In addition, the integrated Delta-T manager ensures that an adjustable differential temperature limit value is not fallen below. Flooding of the heat exchanger is therefore no longer possible.

Belimo Energy Valve™	Type	Nominal diameter DN [mm]	$\dot{V}_{nom}$		Adjustable maximum flow rate [m³/h]
			[l/s]	[l/min]	
	EV015R+BAC	15	0.35	21	0.38…1.26
	EV020R+BAC	20	0.65	39	0.7…2.34
	EV025R+BAC	25	1.15	69	1.24…4.14
	EV032R+BAC	32	1.8	108	1.94…6.48
	EV040R+BAC	40	2.5	150	2.7…9
	EV050R+BAC	50	4.8	288	5.18…17.28
	P6065W800EV-BAC	65	8	480	13…28.8
	P6080W1100EV-BAC	80	11	660	17.8…39.6
	P6100W2000EV-BAC	100	20	1200	32.4…72
	P6125W3100EV-BAC	125	31	1860	50.2…111.6
	P6150W4500EV-BAC	150	45	2700	72.9…162

Medium temperature: -10°C…+120°C **System pressure (ps):** 1600 kPa

Find out more about this trend-setting valve technology now. Contact your Belimo representative.

Belimo worldwide: www.belimo.com

5-year warranty | On site around the globe | Complete product range | Tested quality | Short delivery times | Comprehensive support

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