



Efficiency for
optimum
indoor comfort.

Proven, versatile 6-way zone valve.

Recognising needs and finding unconventional solutions – that is what makes Belimo extraordinary. Conventional solutions for combined heating/cooling elements in a four-pipe system are known to be error-prone, expensive to install and take up a lot of space. Belimo introduced an innovative solution for this application in 2008.

Now only one valve and one actuator are required instead of four – this makes electrical connection easier, simplifies control and reduces the number of data points required. As a result, installation work and potential sources of errors are reduced to a minimum.

Innovative control of chilled and heating ceilings.

The 6-way zone valve from Belimo has proven itself thousands of times in daily practice since its introduction. It is affordably priced, space-saving as well as quick and easy to install. The reduced number of components drastically reduces the possibility of installation errors. This durable, air-bubble tight closing valve reliably prevents energy losses during operation.

Thanks to the built-in control ball valve technology, malfunctions due to dirty, stuck valves are a thing of the past. All of these advantages reduce total operating costs. It is no wonder that competitors imitate our products. However, Belimo continues to enhance its 6-way technology. As a result, you benefit from the advanced knowledge of the pioneer.



The original

As a pioneer for the simplified control of 4-pipe systems, Belimo has the widest range of technical know-how at its disposal to support your selection and utilisation of the 6-way zone valves in projects and to make your work easier.

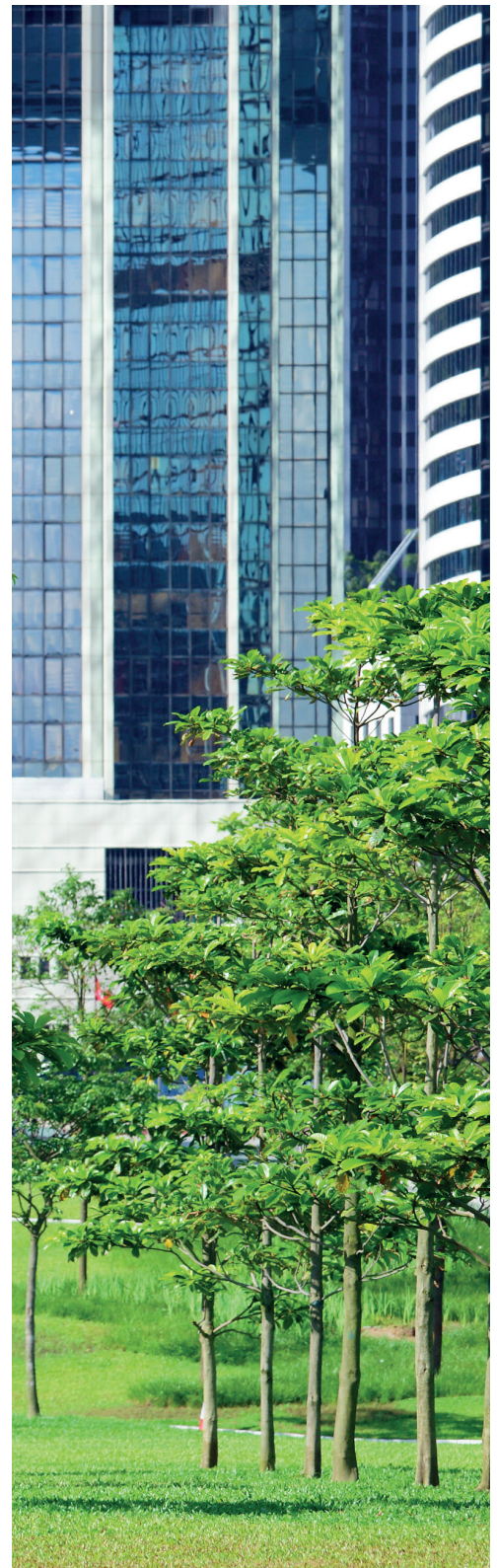
Maximum comfort, maximum energy efficiency and long-term economic efficiency are ensured at all times.



The optimum solution

Economic efficiency is not defined solely by price. It is far more the case that it is dependent on whether each heating/cooling system is equipped with the exact-fitting and optimally coordinated components.

Whether pressure-dependent or pressure-independent, Belimo offers the greatest selection of 6-way zone valves. With versatile k_{vs} combinations and a variety of motorisation versions. The pressure-independent valves can be designed rapidly and easily on the basis of the maximum flow rates for heating and cooling. It even dynamically balances your system based on the needed flow.



Our product range.

The compact 6-way zone valve

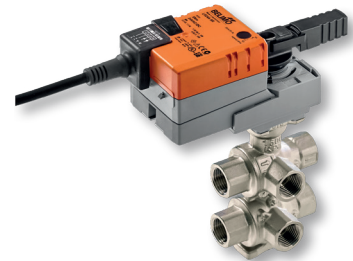
A good product becomes even better – the latest generation of 6-way zone valves is now 33% more compact. The space-saving design of the actuator and valve also enables tool-free assembly of the actuator.



CQ actuator
(R3015-...-B1)

The proven, versatile 6-way zone valve

The conventional 6-way zone valve is reliable and durable, ensures effective control and enables optimum dimensioning of combined cooling/heating elements. Thanks to a comprehensive product range and different k_{vs} values for cooling and heating with one valve, Belimo is always able to offer you the best solution.

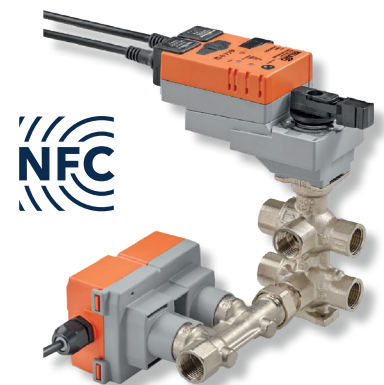


LR / NR actuator
(R30...-B2 / R3025-...-B3)

The electronic pressure-independent 6-way zone valve (EPIV)

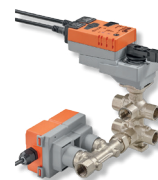
With state-of-the-art, innovative electronics, Belimo enhanced the 6-way zone valve to create an "all-in-one" control unit with additional advantages:

Thanks to continuous flow measurement, this valve system determines the water quantity in real time. Due to dynamic balancing, the right amount of water and the desired level of indoor comfort are ensured at all times – even with partial loads and differential pressure fluctuations. The actuator also offers easy commissioning via smartphone. Thanks to Near Field Communication (NFC), this is possible even if the actuator is not connected to the power supply.



6-way EPIV
(EP.R-R6+BAC)

From customer requirement to customer benefit.



	R3015-...-B1 (CQ actuator)	R30...-...-B2 (LR actuator)		R3025-...-B3 (NR actuator)	EPIV (EP..R-R6+BAC)	
Valve type	Pressure-dependent	Pressure-dependent		Pressure-dependent	Pressure-independent	
k_{vs} [m ³ /h]	0.25 – 0.63	0.25 – 4.0		6.3	–	
DN	15	15	20	25	15	20
V ^{nom} [l/h]	–	–	–	–	1260	2340
Weight including actuator [kg]	0.85	1.65	2.65	4.5	2.4	3.5
Instl. height with actuator [mm]	143	203	231	254	203	231
Nominal voltage	AC/DC 24 V	AC/DC 24 V		AC/DC 24 V	AC/DC 24 V	
Control	0...10 V Belimo MP-Bus BACnet, Modbus	0...10 V Belimo MP-Bus BACnet, Modbus LonWorks, KNX		0...10 V Belimo MP-Bus BACnet, Modbus LonWorks, KNX	0...10 V Belimo MP-Bus BACnet, Modbus	
Power in rest position [W]	0.3	0.4		0.4	1.5	
Flow measurement	–	–		–	x	
Hydraulic balancing	Manual	Manual		Manual	Automatic	
Tool-free actuator assembly	x	–		–	–	

Belimo as a global market leader develops innovative solutions for the controlling of heating, ventilation and air-conditioning systems. Actuators, valves and sensors represent our core business.

Always focusing on customer added value, we deliver more than only products. We offer you the complete product range for the regulation and control of HVAC systems from a single source. At the same time, we rely on tested Swiss quality with a five-year warranty. Our worldwide representatives in over 80 countries guarantee short delivery times and comprehensive support through the entire product life. Belimo does indeed include everything.

The "small" Belimo devices have a big impact on comfort, energy efficiency, safety, installation and maintenance. In short: Small devices, big impact.



5-year warranty



On site around the globe



Tested quality



Short delivery times



Comprehensive support



Complete product range

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