

6-way valve with room temperature controller. Balanced climate control.



Virtuoso performance to raise comfort and cut costs.

Sustainable well-being hinges to a large extent on a permanently comfortable room temperature. In a growing number of non-residential buildings, this is achieved by utilising the exchange of heat or cold between the ceiling and the room air. Belimo has now developed a unique system to solve this dilemma: in combination with the new CRK24-B1 room temperature controller, the world's first ever 6-way characterised control valve guarantees finely balanced control of chilled and heated ceilings.

Cost and energy economies

The new K3B2 6-way characterised control valve is specially designed for use in chilled and heated ceilings. The only one of its kind in the world, this incredibly compact valve unites the functionality of up to four straight-through valves. Space, material and installation time are saved and the risk of wiring errors minimised. The new 6-way characterised control valve is equally convincing in operation: the two heating and cooling circuits are hydraulically decoupled thanks to the innovative ball design. They can nevertheless be controlled individually and precisely by means of a rotary movement. And because the valve is always air bubble-tight in the closed position, it also prevents energy losses and helps reduce operating costs.

Immaculate room climate

The new CRK24-B1 room temperature controller interacts optimally with the 6-way characterised control valve. With its integral pre-comfort and energy hold-off functions, it controls the chilled and heated ceiling according to demand. A dew point sensor can also be connected if required. The EHO function monitors the maximum (40°C) and minimum (15°C) room temperature limits, preventing serious damage to the building and the installations. Manual intervention or quick tests on the connected actuators are possible using the controls on the front. The aesthetic, functional design and simple, intuitive handling round off the harmonious overall picture.

BELIMO®

6-way valve with room temperature controller. System solution for heated and chilled ceilings.

Motorised 6-way characterised control valve range

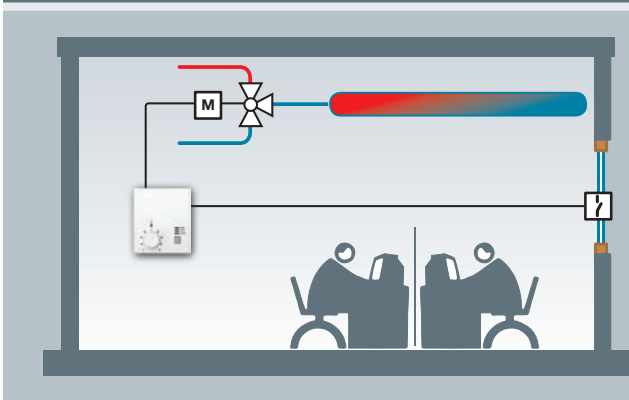
| Cooling k_{vs} (m ³ /h) | Heating k_{vs} (m ³ /h) | Pipe connection | Modulating actuators | MP actuators |
|---|---|-----------------|-------------------------|--------------|
| 0.25 | 0.25 | Rp 1/2 " | LR24A-SR | LR24A-MP |
| 0.4 | 0.4 / 0.25 | | | |
| 0.63 | 0.63 / 0.4 / 0.25 | | | |
| 1.0 | 1 / 0.63 / 0.4 / 0.25 | | | |
| 1.3 | 1.3 / 1 / 0.63 / 0.4 / 0.25 | | | |

Heating and cooling with the K3B2 6-way characterised control valve

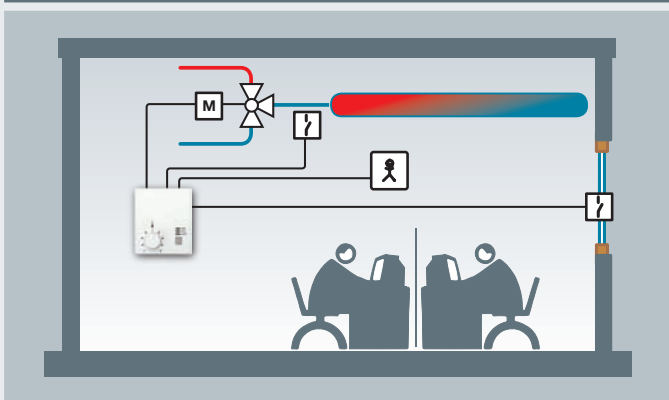


How the CRK24-B1 room temperature controller is used

Heated / chilled ceiling with building protection



Heated / chilled ceiling with building protection, dew point sensor and pre comfort function



Belimo worldwide: www.belimo.com



5-year
warranty



On site around
the globe



Complete
product range



Tested quality



Short delivery
times



Comprehensive
support

BELIMO Automation AG, Brunnenbachstrasse 1, CH-8340 Hinwil
Tel. +41 (0)43 843 61 11, Fax +41 (0)43 843 62 68, info@belimo.ch

BELIMO[®]