



The original – tried and tested, versatile and economical.

The tried and tested, versatile 6-way zone valve

Conventional solutions for combined heating/cooling elements in a 4-pipe system are known to be error-prone, complex to install and space-consuming. Belimo introduced an innovative solution for this application in 2008. Now, only one valve and one actuator are required instead of four each – this makes connection easier, simplifies control and reduces the number of data points required. The installation effort and possible sources of error are thus reduced to a minimum.

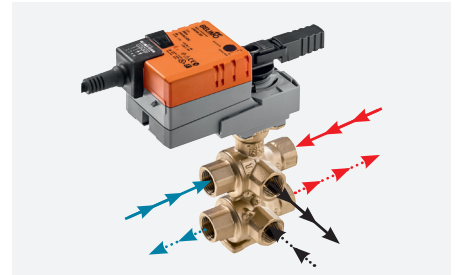
Further advantages:

- Versatile k_{vs} combinations enable precise and effective control
- No need to worry about installation errors as it is impossible to mix up the valves
- Safe operation due to reliable decoupling of cooling and heating circuit
- Maximum system safety through integrated pressure release function

Motorised 6-way zone valves.

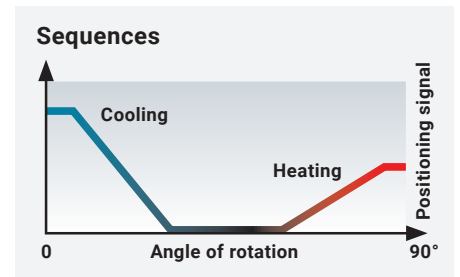
Functional principle

- A 6-way valve assumes the function of up four 2-way valves.
- Enables optimum design of the heating and cooling elements.
- Eliminates installation errors.
- Saves space and reduces wiring effort.



Sequences for cooling and heating

- Different k_{vs} values for cooling and heating in one valve.
- No loss of energy when in the closed position as it is air-bubble tight.
- Only requires one control sequence.



Product overview of k_{vs} combinations with actuator options

Type	X	P25	P4	P63	1	1P3	1P6	1P8	2P5	4	6P3	DN 15: Rp 1/2", DN 20: Rp 3/4", DN 25: Rp 1"			
Y	k_{vs} [m³/h]	0.25	0.4	0.63	1.0	1.3	1.6	1.8	2.5	4.0	6.3	2...10 V	MP-Bus	BAC/MOD	KNX
P25	0.25	DN 15	DN 15	DN 15	DN 15	DN 15		DN 15				LR24A-SR NR24A-SR	LR24A-MP NR24A-MP	LR24A-MOD NR24A-MOD	LR24A-KNX NR24A-KNX
P4	0.4	DN 15	DN 15	DN 15	DN 15	DN 15		DN 15							
P63	0.63	DN 15	DN 15	DN 15	DN 15	DN 15	DN 20	DN 15	DN 20	DN 20					
1	1.0	DN 15	DN 15	DN 15	DN 15	DN 15	DN 20	DN 15	DN 20	DN 20					
1P3	1.3	DN 15	DN 15	DN 15	DN 15	DN 15		DN 15							
1P6	1.6		DN 20	DN 20	DN 20		DN 20		DN 20	DN 20					
1P8	1.8	DN 15	DN 15	DN 15	DN 15	DN 15		DN 15							
2P5	2.5			DN 20	DN 20		DN 20		DN 20	DN 20					
4	4.0			DN 20	DN 20				DN 20	DN 20					
6P3	6.3										DN 25				

Motorised 6-way zone valves: R3015-X-Y-B2 (DN 15), R3020-X-Y-B2 (DN 20) and R3025-X-Y-B3 (DN 25).

The article number of the valve can be obtained by combining the k_{vs} values for heating and cooling operation.

Example only

k_{vs} values of 1.8 m³/h for the cooling operation and 0.63 m³/h for the heating operation result in item number R3015-1P8-P63-B2.