

Well balanced
room comfort.



Pressure Independent Quick Compact Valve (PIQCV)

Designed for maximum efficiency in tight spaces, the PIQCV combines a differential pressure regulator with a 2-way control valve to supply a specific flow for each degree of ball opening regardless of system pressure fluctuations. The valve performs the function of a balancing valve and control valve in one unit.

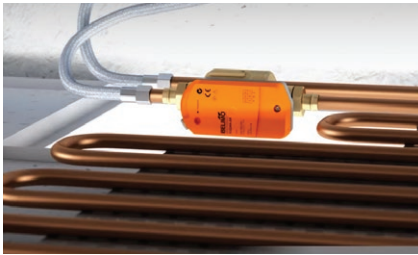
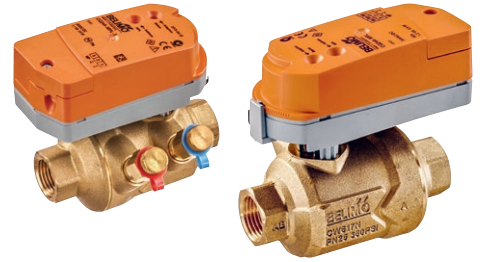
- High body pressure rating PN25
- Low working pressure - 16kPa to be pressure independent
- Belimo ball valve design with zero leakage eliminates energy loss
- Smallest pressure independent characterised ball valve in the market
- Actuator runs at 0.3W saving energy and transformer power
- Flow is adjustable at the actuator and always perfectly balanced
- Time is saved by dynamic and static hydraulic balancing



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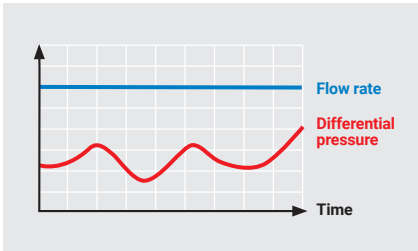
BELIMO[®]

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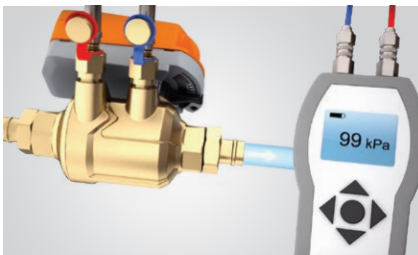
Versatile fields of application

- Fan Coils
- Zone air heater / cooler
- Cooling ceilings and cooling beams



Pressure-independent flow rate regulation

- Correct water quantity is assured despite differential pressure changes and in partial load operation
- Time-consuming, manual hydraulic system balancing is dispensed with
- Desired V_{max} value with associated clip can be adjusted simply and rapidly on the actuator





Verification and pump optimisation

- Two optional measuring ports for differential pressure measurement through the valve
- Correct water quantity guaranteed during operation within the specified differential pressure range (16...350 kPa)
- Pump performance can be reduced to the point that only the minimum required (and comparatively low) differential pressure is present above the valve in the index circuit



Practical, electricity-saving actuator

- Compact plug-in actuator (installation dimension without valve: L/W/H 104 x 46 x 54 mm)
- Open-close and 3-point (AC/DC 24 V and AC 230 V)
- Modulating actuation (2...10 V, AC/DC 24 V)
- Also available as MP-Bus® light version and with SuperCap emergency setting function

Product Range			Valve Nominal Size		Suitable Actuators				
Model	PT Port	V _{nom} (l/s)	Inches	DN [mm]	Non-Spring	Electronic Fail-Safe	Mechanical Fail-Safe	Fast Running	
	C215QP-B	0.058	1/2	15	CQ	CQK	TQF	CQC	
	C215QP-D	0.117	1/2	15					
	C220QP-F	0.272	3/4	20					
	C215QPT-B	●	1/2	15					
	C215QPT-D	●	1/2	15					
	C220QPT-F	●	3/4	20					
	C220QPT-G	●	0.58	3/4					20
	C225QPT-G	●	0.58	1					25