Perfectly balanced room comfort.

Pressure-independent zone valve PIQCV

The PIQCV (Pressure Independent Quick Compact Valve) from the Belimo ZoneTight™ product family is a pressure-independent characterised control valve which permanently supplies all heating and cooling elements with precisely the amount of water needed.

The advantages:

- Ideal room comfort is achieved as the optimum amount of water is supplied to the end devices
- High energy efficiency thanks to the low differential pressure required
- Less planning work thanks to fast and reliable valve selection
- Time saving by the automatic and permanent hydraulic balancing
- Flexible, diverse installation options thanks to compact design
Compact, flexible and efficient.

Versatile fields of application
- Fan coil
- Zone air heater and 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 not needed.
- Desired $V_{\text{max}}$ 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, power-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 communicative version (MP-Bus, BACnet, Modbus) and fail-safe version

<table>
<thead>
<tr>
<th>Type</th>
<th>Nominal width (DN)</th>
<th>$V_{\text{nom}}$ (l/h)</th>
<th>Adjustable maximum flow rate ($V_{\text{max}}$ [l/h])</th>
<th>Measuring ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>C215QP-B</td>
<td>15</td>
<td>210</td>
<td>20...210</td>
<td>no</td>
</tr>
<tr>
<td>C215QPT-B</td>
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<td>210</td>
<td>20...210</td>
<td>yes</td>
</tr>
<tr>
<td>C215QP-D</td>
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<td>420</td>
<td>44...420</td>
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<tr>
<td>C215QPT-D</td>
<td>15</td>
<td>420</td>
<td>44...420</td>
<td>yes</td>
</tr>
<tr>
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<td>90...980</td>
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<tr>
<td>C220QPT-F</td>
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<td>980</td>
<td>90...980</td>
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</tr>
<tr>
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<td>2100</td>
<td>260...2100</td>
<td>yes</td>
</tr>
</tbody>
</table>

System pressure (ps) 1600 kPa, medium temperature 2°C...90°C.