Calio (Z) – High-efficiency circulators

Applications:
- Heating, ventilation and air-conditioning systems
- One-pipe and two-pipe systems
- Underfloor heating systems
- Boiler or primary circuits
- Storage tank circuits
- Solar power systems
- Heat pumps
- Circulation systems for commercial buildings

More information:
www.ksb.com/products
**Calio (Z) – High-efficiency circulators**

1. **Top energy efficiency**
   - Future-proof by optimised efficiencies, exceeding the requirements of the 2015 energy efficiency regulations

2. **Simple to use, available when needed**
   - Commissioning is straightforward with the press&turn dial, an integrated display and symbols indicating the operating mode
   - Dual pump operation with automatic changeover (integrated interface) enables redundancy
   - Integrated protective and manual functions
   - Dual pump management with automatic pump changeover, changeover and peak load operation in the event of a fault for Calio Z
   - Direct selection of the Modbus address via the display

3. **Cost-efficient**
   - High-efficiency technology combined with speed control and the new Eco Mode offer maximum savings
   - All-in concept with integrated communication interfaces saves investment and commissioning costs

4. **Versatile**
   - Broad application range for supply and circulation systems
   - Large product range with over 44 pump sizes/variants PN6/10/16 in standard overall lengths

5. **Dynamic Control**
   - Efficient operating mode lowers energy costs.
   - Practically rules out undersupply in changing system conditions

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**Technical data**

<table>
<thead>
<tr>
<th>Type series</th>
<th>Calio</th>
<th>Calio Z</th>
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<tbody>
<tr>
<td>Flow rate</td>
<td>Up to 50 m³/h</td>
<td>Up to 70 m³/h</td>
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<tr>
<td>Head</td>
<td>Up to 18 m of water</td>
<td>Up to 18 m of water</td>
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<tr>
<td>Fluid temperature</td>
<td>-10 to +110 °C</td>
<td>-10 to +110 °C</td>
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<tr>
<td>Operating pressure</td>
<td>PN 6/10/16</td>
<td>PN 6/10/16</td>
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<tr>
<td>Process connections</td>
<td>Rp 1”, 1¼” (screw-ended pump)</td>
<td>Rp 1¼” (screw-ended pump)</td>
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<td></td>
<td>DN 32, 40, 50, 65, 80, 100</td>
<td>DN 32, 40, 50, 65</td>
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<tr>
<td>Power supply</td>
<td>1–230VAC 50/60 Hz</td>
<td>1–230VAC 50/60 Hz</td>
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<tr>
<td>Enclosure</td>
<td>IPX4D</td>
<td>IPX4D</td>
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