

Calio S – High-efficiency Circulator



Calio S with thermal insulation shell

Applications:

- Heating, ventilation and air-conditioning systems
 - One-pipe and two-pipe systems
 - Underfloor heating systems
 - Boiler circuits or primary circuits
 - Storage tank circuits
 - Solar power systems
 - Heat pumps
- Circulation systems for single and multiple dwellings

More information:

www.ksb.com/products



Standard plug-type connector



Angled plug-type connector

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1 Outstanding energy efficiency

Future-proof by optimised efficiencies, exceeding the requirements of the 2015 energy efficiency regulations

2 Convenient and easy-to-use control panel

- Benefit of a 230 V plug-type connector: The pump replaces any other make without the need to change the plug-type connector.
- Standard and angled plug-type connectors included in the scope of supply
- User-friendly design with vent plug at the front for manual venting and deblocking of the pump
- Straightforward operation via three pushbuttons
- Integrated plug-type connector for easy connection to the power supply without the need to open the pump
- The display and symbols indicate the current operating mode as well as the flow rate, head and electrical input power.
- Proportional-pressure or constant-pressure control modes as standard
- High operating availability due to protective and manual functions
- The automatic setback mode prevents unnecessary energy consumption.
- Whisper quiet operation (≤ 30 dB (A))

3 Dynamic Control

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

Weitere Informationen unter www.ksb.de/calio-s

Technische Daten

| | |
|-----------------------|-----------------------------|
| Flow rate | Up to 3.5 m ³ /h |
| Head | Up to 8 mWC |
| Fluid temperature | +2 to +95 °C |
| Operating pressure | PN 10 |
| Process connection | Rp ½", Rp 1", Rp 1¼" |
| Electrical connection | 1~ 230 V AC, 50/60 Hz |
| Enclosure | IP42 |

To prevent condensation in the terminal box and stator, the fluid temperature must always be equal to or higher than the ambient temperature.

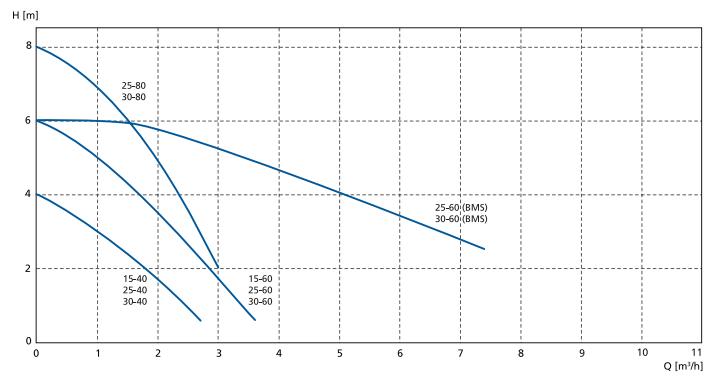
4 Universal use

- Broad application range for supply and circulation systems
- Large product range with 4 hydraulic system sizes in overall lengths of 130 and 180 mm and standard dimensions

5 Fast and convenient commissioning

- Plug-and-play with default settings
- Dynamic Control easy to activate

Calio S characteristic curves



| Type | Overall length | Article number |
|----------------------|----------------|----------------|
| Calio S 15-40 130 | 130 mm | 29 134 987 |
| Calio S 15-60 130 | 130 mm | 29 134 988 |
| Calio S 25-40 130 | 130 mm | 29 134 989 |
| Calio S 25-60 130 | 130 mm | 29 134 990 |
| Calio S 25-40 | 180 mm | 29 134 991 |
| Calio S 25-60 | 180 mm | 29 134 992 |
| Calio S 25-80 | 180 mm | 29 134 985 |
| Calio S 30-40 | 180 mm | 29 134 993 |
| Calio S 30-60 | 180 mm | 29 134 994 |
| Calio S 30-80 | 180 mm | 29 134 986 |
| BMS variants* | | |
| Calio S 25-60 BMS | 180 mm | 29 134 981 |
| Calio S 30-60 BMS | 180 mm | 29 134 982 |

* BMS variants for integration in automation systems with control input for external start/stop, 0 - 10 V and general fault message reporting (volt-free relay), enclosure IPX4D



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