

Calio Pro Plus (Z) – Heating Circulators for Intelligent Buildings



Flanged Calio Pro Plus



Applications:

- Heating, ventilation and air-conditioning systems
 - One-pipe and two-pipe systems
 - Underfloor heating systems
 - Boiler or primary circuits
 - Storage tank circuits
 - Solar systems
 - Heat pump
- Recirculation systems in larger buildings

More information: www.ksb.com



Screw-ended Calio Pro Plus



Flanged Calio Pro Plus Z twin pump



Screw-ended Calio Pro Plus Z twin pump

Calio Pro Plus (Z) – High-efficiency Heating Circulators for Intelligent Buildings

Highest energy efficiency with Dynamic Control

- Patented Dynamic Control for an average of 40 percent additional energy savings as compared with proportional-pressure control
- Practically rules out undersupply in changing system conditions.
- Optimised efficiencies exceeding the requirements of the energy efficiency regulations

Easy to install and commission

- All operating modes, functions and setpoints in metres are easy and fast to adjust at the pump or via the Bluetooth interface.
- Quick and straightforward commissioning with the FlowManager app
- With the FlowManager app all electrical connections can easily and flexibly be configured for the specific application.
- In the FlowManager app all pump information is quickly accessible via the Favourites menu. Process values are clearly illustrated in a diagram.

Universal use

- One pump for three pressure classes: PN 6/PN 10/PN 16
- New and enhanced characteristic curves offer a larger operating range.
- Flexible pump functions, such as an operating point display, integrated dual-pump operation and calorimeter

High operating reliability

- High operating reliability thanks to built-in pump and motor protection equipment
- A maintenance-free motor with a carbon fibre reinforced plastic can and an integrated filtering concept provide protection against contamination with magnetite, for example.

Connectivity

- Modbus RTU interface integrated as standard
- Flexible connectivity by plug-in modules for all common building management systems
- Two parameterisable relays for operation and fault messages
- Configurable digital input and adjustable analog input

Environmentally friendly

- Maximum energy efficiency
- Energy savings meter
- Life Cycle Impact Assessment (LCIA) based on ISO 14040/14044

Technical data

	Calio Pro Plus	Calio Pro Plus Z
Flow rate	Up to 70 m ³ /h	Up to 65 m ³ /h
Head	Up to 18 mWC	
Fluid temperature	-10 to +110 °C	
Operating pressure	PN 6/PN 10/PN 16	
Pump connection	G 1 1/2, G 2 DN 32, 40, 50, 65, 80, 100	G 2 DN 32, 40, 50, 65
Electrical connection	1–230 VAC 50/60 Hz	
Enclosure	IPX4D	

Calio Pro Plus characteristic curves

